

GROSSMONT
COLLEGE



GROSSMONT.EDU

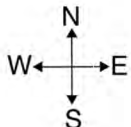
College Catalog 2023-2024



GROSSMONT COLLEGE CAMPUS MAP



G R O S S M O N T
C O L L E G E



Restrooms
Disabled Parking
Water Filling Station
Lactation Station

Please note:
Grossmont College
is a smoke-free &
tobacco-free facility

- Bldg. 38**
- D - Portable Restrooms
 - Lactation Station
 - E - CallWorks & ACE Office
 - F - American Collegiate English Classroom
 - G - Middle College High School Office/Classroom
 - H - District Office
 - J - District Office

- Bldg. 70**
- Library
 - 066 (Basement - Enter West Side)
 - 173 (Library Conference Room)
 - 267 (Classroom)
- Tech Mall
- 102 - 135 (First Floor)
 - 202 - 229 (Mezzanine)

- Bldg. 100**
- Classrooms:
- 102A
 - 102B
 - 103A
 - 106
 - 109
 - 110
 - 111
 - 114
 - 115
 - 116
 - 117
 - 120A
 - 121A
 - 123A
 - 123B
 - 125
 - 126
 - 127
 - 128
 - 129
 - 130

- Bldg. 60**
- Adult Re-entry
 - A.R.C.
 - Student Employment Services

- Bldg. 10**
- Admissions & Records
 - Assessment & Testing
 - College Cashier
 - College & Community Relations
 - College Conference Room
 - College Planning & Institutional Effectiveness
 - Counseling Center
 - Deans Offices
 - Financial Aid
 - International Student Counseling Office
 - Instructional Operations
 - Mail Room & Business Communications Office
 - President/Vice-Presidents Offices
 - Student Activities Window
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Lynn Ceresino Neault, Ed.D.

Grossmont College President:

Denise Whisenhunt, J.D.

Cuyamaca College President:

Dr. Jessica Robinson, MSW

Accreditation and Affiliations

Grossmont College is accredited by the Western Association of Schools and Colleges and is a member of the California Community College Association. Accreditation reports are available and may be reviewed in the Office of the President. Appropriate courses are fully accepted on transfer by the University of California, the California State University, and by private four-year colleges and universities.

The college has been approved for the training of veterans under various United States public laws and California veteran enactments. The Bureau of Immigration and Naturalization has approved Grossmont College to serve international students under education visas.

The Grossmont College Seal

The seal of Grossmont College has been designed around the Griffin Symbol, which is the half-eagle, half-lion of Greek mythology, combining their qualities of courage, strength, and swiftness. The Griffin was charged with guarding the treasures of the Ancient World. The three Greek words are **Tharros**, **Dynamis**, and **Philosophia**, which means courage, strength, and love of wisdom.

The Grossmont-Cuyamaca Community College District has made every reasonable effort to determine that everything stated in this catalog is accurate. Courses and programs offered, together with other matters contained herein, are subject to change without notice by the administration of the Grossmont-Cuyamaca Community College District or Grossmont College for reasons related to student enrollment, level of financial support, or for any reason, at the discretion of the district and the college. The district and the college further reserve the right to add, amend, or repeal any of their rules, regulations, policies, and procedures.

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President's Message

Welcome to Grossmont College!



Dear Grossmont College Student,

Welcome to the 2023–2024 Grossmont College catalog. Here you will discover the course offerings that make Grossmont College the leader of higher education and career training in San Diego's East County.

In these pages, you'll find a comprehensive selection of courses and programs that will help you meet your academic and career goals and prepare you to enter the workforce or transfer to top universities.

Whatever your passions are, we have a program here that will meet your curiosity, engage your creativity, and advance your knowledge. We offer classes in-person, online and hybrid. You'll understand why more than 1.6 million students have chosen Grossmont College to pursue their higher education or prepare for a career. You'll see why Grossmont College is the first choice for students ranging from teenagers just out of high school eager to earn a degree or certificate to life-long learners intent on further enriching their lives.

In addition to our incredible academic programs, we have services and support programs to help you succeed. Many of our students qualify for financial aid and we are dedicated to giving you full support throughout your time here at Grossmont College.

At Grossmont College, we believe everyone should have a pathway to pay for college which is why we offer the Grossmont-Cuyamaca College Promise, which gives you your first two years free. We also help you complete the FAFSA/CA Dream Act and give you access to grants and scholarships. We have programs like UMOJA and Puenete to help you find community, we have Gizmo's Kitchen to help meet your basic needs, have student life and champion athletics, and much more.

In the years before its founding in 1961, Grossmont College was just a dream. It had no name, no resources, no buildings. But what our community had was a vision, a vision of transforming lives through education. That transformation is real. The lifetime earnings of a Grossmont College graduate with an associate degree are \$1.6 million, and at just \$46 per unit, Grossmont College provides you with the same,

high-quality education as many universities and private trade schools, but for thousands of dollars less.

We are, indeed, unique and we offer an abundance of options that can lead not only to a degree, but also to essential workplace skills indispensable in building a better life.

Grossmont College is a leader in higher education and career training because of our incredible professors, our dedicated classified professionals, and most importantly you: our students. Our students create better lives for themselves and their families. Our students transform their communities with their skills and expertise. The education you receive here will create a better world. Your journey starts here, and I know you will make myself and Grossmont College proud.

With warmest regards,

Denise Whisenhunt, J.D.
President, Grossmont College

Academic Calendar

Fall 2023

Date	Event
April 14	Application Deadline (for registration appointment time)
May 1 - August 20	Registration
Refer to Class Schedule	Payment Deadline for Registration Fees
August 14 - 18	Professional Development - Organizational Meetings
August 21	Semester Length/First 8-Week Classes Begin
August 21 - September 3	Program Adjustment (Add/Drop Period Full Semester Classes)
September 3	Last Day to Drop Full Semester Classes without a "W"
September 3	Last Day to Apply for Refund for Full Semester Classes
September 4 ¹	Holiday (Labor Day)
September 5	Census Day (Full Semester Classes)
September 19	National Voter Registration Day ²
October 13	Last Day to Apply for Fall 2023 Degree/Certificate
Last Day of Instruction	Last Day to Apply for P/NP (First 8-Week Session)
October 14	First 8-Week Session Ends
October 16	Second 8-Week Session Begins
October 19	First 8-Week Session Instructor Grade Deadline
November 10 - 11 ¹	Holiday (Veterans Day)
November 12	Last Day to Drop Semester Length Classes (with "W")
November 20-25	Thanksgiving Recess
November 23, 24, 25 ¹	Holiday (Thanksgiving)
Last Day of Instruction	Last Day to Apply for P/NP
Last Day of Instruction	Final Examinations
December 16	End of Second 8-Week Session & Semester Length Classes
December 16	Fall Semester Ends
December 17 - January 28	Winter Recess (for students)
December 21	Instructor Grade Deadline
December 22 - January 1 ¹	College and District Offices Closed

¹ College and District Offices Closed.

² See additional voter information at General Information (p. 14).

Spring 2024

Date	Event
October 27	Application Deadline (for registration appointment time)
November 13 - January 28	Registration
Refer to Class Schedule	Payment Deadline for Registration Fees

January 2 - 27	Interession 2024
January 15 ¹	Holiday (Martin Luther King Day)
January 22 - 26	Professional Development - Organizational Meetings
January 29	Semester Length/First 8-Week Classes Begin
January 29 - February 11	Program Adjustment (Add/Drop Period Full Semester Classes)
February 11	Last Day to Drop Full Semester Classes without a "W"
February 11	Last Day to Apply for Refund for Full Semester Classes
February 12	Census Day (Full Semester Classes)
February 16, 17 ¹	Holiday (Lincoln's Birthday Observed)
February 19 ¹	Holiday (Washington's Birthday Observed)
March 8	Last Day to Apply for Spring 2024 Degree/Certificate
Last Day of Instruction	Last Day to Apply for P/NP (First 8-Week Session)
March 23	First 8-Week Session Ends
March 25 - 30	Spring Recess
March 28	First 8-Week Session Instructor Grade Deadline
March 29 - 30 ¹	Spring Holiday
April 1	Second 8-Week Session Begins
April 28	Last Day to Drop Semester Length Classes (with "W")
Last Day of Instruction	Last Day to Apply for P/NP
Last Day of Instruction	Final Examinations
May 25	End of Second 8-Week Session & Semester Length Classes
May 25	Spring Semester Ends
May 27 ¹	Holiday (Memorial Day)
May 29	Cuyamaca Commencement
May 30	Grossmont Commencement
May 30	Instructor Grade Deadline

¹ College and District Offices Closed.

Dates listed are subject to change. Please see <https://www.grossmont.edu/academics/calendars/index.php> (<https://www.grossmont.edu/academics/calendars/>) for the most current calendar.

Distinguished Faculty

Sharon Sampson



Sharon Sampson was born in Los Angeles, California, but spent her formative years in Belize, Central America. As the byproduct of South Central Los Angeles and all it encompasses, she recognizes the complexity of her social position. Raised by an immigrant, single parent in this country, she was thrust into roles to acquire information for her family since she had the status of being a US-born citizen. While marred with challenges, her formative years allowed for dreams of a better life with the positive influences of many.

She attended Holy Cross Middle School and Bishop Conaty High School. Since she excelled in Math and Science and graduated with a gold seal on her diploma, she was encouraged to apply to the Biomedical program at the University of California, Riverside (UCR). She was taught that education was the ticket to social mobility. This seemed to be a natural progression as her brother was able to transfer from Los Angeles City College directly into UC San Francisco's Medical School. Due to the continued academic challenges, the alternative was to withdraw from UCR and follow suit with the rest of the young women into a Nursing Program. She chose a different path due to the supportive mentorship of the faculty of color at UCR, such as Dr. Aldaberto Aguirre. She relied on community support to guide her through educational environments and viewed this sense of community as an essential aspect of her identity. After graduating from UCR majoring in Psychology and Sociology, she earned her Master's Degree from Cal State, Los Angeles. While the commute from Riverside to Los Angeles four nights per week was

grueling, she understood by then that being in a supportive academic environment was vital to her success as representation mattered.

After completing a Master's Degree program, she worked as a Juvenile Probation Officer for the County of Riverside, then later as a United States Probation Officer for a combined experience of 23 years. During her career as an officer, she also taught as an adjunct faculty for approximately 12 years before fully transitioning to a full-time faculty at Grossmont College. As a full-time Administration of Justice Faculty, she actively engages in initiatives to reduce the opportunity gaps for Grossmont scholars, especially those marginalized and underserved. She served as the AOJ Internship Coordinator and ACJA Club Advisor. She is committed to developing pathways to education and enhancing educational and employment outcomes. Her passion for teaching has provided her with a unique skill set that is critical for continuing to change the academic trajectory of so many underrepresented students. She is an Academic Senate officer and participates on the Curriculum Committee and the Regional Oversight Committee. She is a Professional Development Co-Coordinator and Equal Employment Opportunity (EEO) Site Lead. Past committee work includes Student Success and Equity Committee, ASCCC Policy and Procedure, and CTE Committees. She has co-facilitated ASCCC webinars on Credit for Prior Learning, Anti-Racism initiatives, and Strong Workforce CTE Employment Trends Data. She has authored and co-authored several ASCCC and GC Academic Senate Resolutions. Her active involvement in various committees and task force is to support the success and retention of the students at Grossmont.

She is pursuing her EdD in Organizational Change Leadership from the University of Southern California (USC). This is familiar territory as she was raised near USC's campus. She feels she stands on the shoulders of many women of color who sacrificed by remaining in the struggle to clear a narrow path for her existence and survival. She was raised with the "If not you, then who else" mantra heavily influenced her disposition and resiliency. She is committed to transformative justice. Like many before her, she is firmly committed to being a changer-maker to clear the pathways for those just beginning their journey. As a scholar-practitioner, she plans to remain on this journey for the long haul.

A major thanks to all who have shared in her journey!

For every door that's been opened to me, I've tried to open my door to others. And here is what I have to say, finally. Let's invite one another in."
— Michelle Obama

Tara Venn



In 2012, Tara began her “second career” at Grossmont teaching in the Administration of Justice program. Currently, she is co-instructor for AOJ 218 Crime Scene Technology during the fall semester and teaches AOJ 252 Advanced Forensic Photography during the spring semester. She finds teaching at the college level very rewarding. She is forever grateful to those in the field who gave her a chance and she sees instructing future forensic colleagues as her way of giving back. Tara believes the instructors at Grossmont and within the AOJ program are the best and the proof is evident in how many graduates are successfully representing our school across the country. Tara tells her students that to be successful in the field of forensic science one needs to have the desire to do the absolute best job each time. You only have one chance to process the crime scene whether it be a burglary or a death investigation. The victim and the overall community represented deserve nothing less!

Tara Venn was born in Michigan and raised in western North Carolina. Tara attended undergraduate schooling at East Carolina University on a full volleyball scholarship as a middle blocker from 1992 to 1996. One of Tara’s greatest accomplishments was finishing 11th in the 1995 NCAA Division I rankings for block average per game. After receiving her degree in criminal justice, Tara moved to San Diego for graduate school and in 1999 she began her career in the criminal justice field with the Chula Vista Police Department as a volunteer in the Crime Laboratory. After short stints as a Peace Officer and Police Services Officer with the department, Tara was transferred to the Crime Laboratory in 2008 as a Forensic Specialist. Tara has been in the laboratory ever since and loves every day in the Police Department. Being in the crime laboratory is so very rewarding by giving a voice to victims through proper documentation of crime scenes and collection of evidence. Every day is a chance for new possibilities and challenges. Tara could be in the office working on reports, or processing evidence in the examination room, and in the next couple of hours working a homicide scene or testifying in court.

Tara is an active member of the California State Division of the International Association for Identification and the Southern California Association of Fingerprint Officers. She has served on the executive board as a director of the south for the CSDIAI association.

History

Our History at Grossmont College

It began as a dream. It had no name, no firm location, and no construction funding. Yet from the moment the idea was born, Grossmont College promised to become one of the region's leading higher education institutions. Today, Grossmont College is a leading provider of higher education and workforce training in San Diego's East County and the No. 1 transfer school in the country to San Diego State University.

An Auspicious Start

Following several years of study involving both lay and educational groups, East County voters approved the formation of the Grossmont Junior College District in an election held Nov. 8, 1960. The first official organizational meeting of the Grossmont Junior College Governing Board occurred July 1, 1961. With an opening enrollment of 1,538, the first college classes convened Sept. 11, 1961, on the Monte Vista High School campus in Spring Valley.

In an election held Sept. 18, 1962, voters approved a \$7.5 million facilities bond. The Governing Board moved to purchase a 135-acre site on a scenic mesa in Fletcher Hills adjacent to the cities of El Cajon and La Mesa. Ground was broken for the new campus in December 1963. Even before construction was completed, the administrative offices were moved to the new campus and classes opened Sept. 14, 1964. The Grossmont College campus was officially dedicated Dec. 12, 1964.

The first increment of the campus was planned to accommodate an enrollment of 2,500 daytime students, with the completed campus expected to serve 4,800 students. On Oct. 18, 1965, area voters approved a second bond measure, for \$3.5 million, making it possible to complete a new master plan. New facilities were completed Sept. 25, 1967.

In 1970, state legislation changed the term "junior college" in California codes to "community college" and on Jan. 6, 1971, the San Diego County Board of Education approved a petition from the Grossmont Junior College District to change its designation to the Grossmont Community College District. On March 5, 1985, the Governing Board officially changed the name of the district to the Grossmont-Cuyamaca Community College District (GCCCD) to reflect the establishment of Cuyamaca College.

Building A Modern Campus

In 2013, East County voters approved Prop. V, GCCCD's \$398 million bond measure. Prop. V projects are intended to prepare local students and veterans for college and career success by upgrading the District's career training facilities for science, medical and public safety. The renovated Building 31, which is part of the Science, Math & Career Complex, opened in spring 2020. The newly constructed Performing and Visual Arts Center (PVAC), which, includes the Hyde Art Gallery, opened in 2021.

Construction is under way for a new Building 36 as part of the Science, Math & Career Complex. The previous building was demolished in 2020 and a groundbreaking ceremony took place in May 2021. Plans also are being finalized for new construction in the Arts & Communication Complex as part of Prop. V. In total, these renovated and new facilities will change the look and student experience on the campus' west side.

On the east side of campus, renovations are being planned for buildings 51 and 55 and construction is scheduled to take place between January 2023 and April 2024.

Grossmont College Today

Grossmont College is transforming lives through education by offering more than 150 degree and certificate programs, including those focused on university transfer and workforce training. Grossmont College also offers a full range of student activities and clubs, as well as 17 intercollegiate athletic teams.

Enrollment has remained steady at a level of more than 16,000 students since the mid-1970s, rising to 17,484 students in 1991 and 18,241 students in 2002. In fall 2009, enrollment exceeded 20,000 students for the first time with 20,362 students, and increasing to the highest level ever in spring 2010 with 20,793 students.

During the COVID-19 pandemic and the 2020-2021 academic year, Grossmont College continued to offer a robust schedule of classes, primarily online. At the conclusion of the 2020-2021 academic year, 1,554 students graduated, with a total of 3,687 degrees and certificates. Students returned to campus in the fall of 2021, and Grossmont College, for the first time since 2019, held an in-person graduation on June 9, 2022.

Educational Philosophy

The Grossmont-Cuyamaca Community College District Governing Board believes that a community college should provide experiences that will greatly broaden students' educational opportunities and strengthen society's democratic institutions. Grossmont and Cuyamaca Colleges are committed to provide an education through which students may create rewarding lives, productive for themselves and for society, based on an understanding of the relationship between the past, and the challenges of the present and the future.

The Grossmont-Cuyamaca Community College District Governing Board accepts and is committed to the following premises:

- The democratic way of life allows each individual the personal freedom and initiative consistent with his/her responsibilities to other persons.
- Grossmont and Cuyamaca Colleges recognize the value of our diverse and individual needs, interests, and experiences, vary greatly.
- The maximum development of the personal, social, and intellectual qualities of each individual must be encouraged.
- The development and fulfillment of the individual and the development of the community are increasingly interdependent.

An educational environment dedicated to these philosophic premises will produce individuals prepared for life and citizenship in a complex, diverse society and global economy.

Grossmont College Mission Statement

Vision

Empowered through a culture of inclusivity, Grossmont College strives to maintain our student-centered philosophy while working to support the ever-changing needs of our students. Along with ensuring student success, Grossmont College continues to advance our antiracism and equity work as we venture further into the 21st century.

Mission

Grossmont College serves the diverse population of our surrounding community and beyond by creating clear and accessible pathways to degrees and jobs leading to social and economic mobility for our students. We work collaboratively to cultivate an equitable student-

centered learning environment, and we hold ourselves accountable for improving student outcomes through ongoing assessment, evaluation, and data-informed decision making. Grossmont College offers associate degrees; transfer preparation, including Associate Degrees for Transfer; certificate programs; career education and workforce development.

Values

- **Learning and Student Success** – We dedicate our resources and ourselves in support of our students and their pursuits to achieve their academic, professional, and personal goals.
- **Creativity and Innovation** – We value the capacity for ingenuity and originality on our campus and within our community.
- **Pursuit of Excellence and Continuous Improvement** – We strive for excellence in our programs and services. We believe in the capacity for continuous quality improvement in the pursuit of excellence. We accept the challenges of being accountable for our efforts, and strictly adhere to the institution's mission and vision.
- **Integrity** – We commit to acting and speaking truthfully and responsibly and hold ourselves and others accountable to this standard.
- **Power of Diversity and Inclusion** – We are committed to a climate for learning that considers diverse perspectives to be a powerful component in the education of every individual, valuing and accommodating both differences and commonalities.
- **Civility** – We value fair, respectful, thoughtful interactions, based on a positive approach, that promote reflection, foster deeper understanding of phenomena, and permit achievement of common goals.
- **Balance** – We value a nurturing and positive approach in all we do, embracing laughter and enthusiasm, as we nurture the development of the whole individual, including the intellectual, spiritual, emotional, and physical well-being of each individual.

Ethical Principles

Grossmont College is an academic institution dedicated to the pursuit of learning and the promotion of student success. In the quest for excellence, our entire college community shares the ethical values of integrity, honesty, transparency, civility, and respect. Students, faculty, staff, and administrators are guided by the ethical standards and principles established by the Grossmont College Student Code of Conduct and by comparable codes from professional associations and organizations. These values include personal and collective accountability and a high regard for others, the institution, and its mission.

Educational Objectives

It shall be the policy of the Governing Board of the Grossmont-Cuyamaca Community College District to implement the educational philosophy by providing a variety of programs. These shall be known as:

1. **An instructional program** composed of:
 - **Transfer courses** equivalent to the lower division curriculum of universities and colleges for students who plan to continue their education at a baccalaureate institution.
 - **Vocational and career education courses** to provide technical skills and knowledge for beginning employment, retraining and advancement.
 - **General education courses** to broaden knowledge, skills, attitudes and values, to develop analytical ability and critical thinking, and to foster interest in life-long learning in the educational,

scientific, and cultural fields essential for effective participation in a complex society.

- **Developmental courses** to assist inadequately prepared students to succeed in college course work.
2. **A student services program** composed of:
 - **Academic and vocational support services and personal support services** to provide students with sufficient opportunity to achieve educational success.
 - **Co-curricular activities** to provide opportunities for personal development and social responsibility.
 3. **A learning resources program** composed of:
 - **Programs and services** to support and to supplement the instructional, student services, and community education programs.
 4. **A community education program** composed of:
 - **Continuing education non-credit courses** which are eligible for state support and are designed to provide education and training in areas of local needs.
 - **Community services courses, workshops, seminars, forums and institutes** to provide for the special educational, cultural, avocational and recreational needs of the community.

Grossmont College Institutional Student Learning Outcomes

The five institutional student learning outcomes are the Grossmont College framework for essential learning. These outcomes outline the knowledge, abilities, and habits of mind that a student will have attained as a result of the college learning experience. The institutional student learning outcomes reflect the Grossmont College commitment to our students and the community we serve.

Critical & Creative Thinking

- Students will explore issues, ideas, artifacts, and events and gather evidence from multiple perspectives before forming an opinion or conclusion.
- Students will analyze, connect, and synthesize ideas in order to creatively solve problems.
- Students will demonstrate competence in interpreting and working with quantitative and qualitative data to weigh evidence, support arguments, and solve problems in everyday situations.

Communication Skills

- Students will communicate effectively through reading, writing, speaking, and listening.

Global & Local Perspectives

- Students will prepare to become global citizens by acknowledging and articulating the interconnection of the physical, social, political, economic, and cultural environments in which they live.
- Students will demonstrate sensitivity, respect, and integrity when interacting with individuals of diverse backgrounds, perspectives, and values.

Technology & Information Skills

- Students will gain core information literacy skills by critically evaluating information, identifying the most reliable information from a variety of sources, and recognizing the importance of being well-informed and sharing information responsibly.

- Students will demonstrate skill in the use of technology and its ethical and responsible applications.

Life & Career Skills

- Students will engage in self-reflection to cultivate their personal development and well-being.
- Students will engage in and interpret various forms of creative expression.
- Students will demonstrate and apply the attitudes, knowledge, ethics, and skills necessary to contribute to professional, civic, and academic communities.

Program Student Learning Outcomes

Each program at Grossmont College has developed specific outcomes to convey the knowledge, skills, and abilities students will obtain upon completion of his or her major. The Program Outcomes are listed with the description of each major, refer to Associate Degree Programs and Certificates (p. 94).

The Academic Senate for California Community Colleges (ASCCC)

Ethics Statement

The ASCCC adopted the “American Association of University Professors (AAUP) Ethics Statement,” and expanded upon it in 1994 and in 2002. In addition to the Ethics Statement, the ASCCC’s 2002 paper, “Faculty as Professionals: Responsibilities, Standards and Ethics,” provides suggestions about interacting with all members of the college community with the values of “equity, inclusion, openness, diversity, accountability, integrity and honor.” Suggestions include: maintaining scholarly competence and honest academic conduct: insuring cultural and gender sensitivity – respecting students as individuals; encouraging the free pursuit of learning – securing student access and success; creating a learning environment of trust and sensitivity; establishing academic standards; and maintaining academic freedom. <https://asccc.org/papers/faculty-professionals-responsibilities-standards-and-ethics> (<https://asccc.org/papers/faculty-professionals-responsibilities-standards-and-ethics/>)

Professors, guided by a deep conviction of the worth and dignity of the advancement of knowledge, recognize the special responsibilities placed upon them. Their primary responsibility to their subject is to seek and to state the truth as they see it. To this end professors devote their energies to developing and improving their scholarly competence. They accept the obligation to exercise critical self-discipline and judgment in using, extending, and transmitting knowledge. They practice intellectual honesty. Although professors may follow subsidiary interests, these interests must never seriously hamper or compromise their freedom in inquiry.

As teachers, professors encourage the free pursuit of learning in their students. They hold before them the best scholarly and ethical standards of their discipline. Professors demonstrate respect for students as individuals and adhere to their proper roles as intellectual guides and counselors. Professors make every reasonable effort to foster honest academic conduct and to ensure that their evaluations of students reflect each student’s true merit. They respect the confidential nature of the relationship between professor and student. They avoid any exploitation, harassment, or discriminatory treatments of students. They acknowledge

significant academic or scholarly assistance from them. They protect their academic freedom.

As colleagues, professors have obligations that derive from common membership in the community of scholars. Professors do not discriminate against or harass colleagues. They respect and defend the free inquiry of associates. In the exchange of criticism and ideas professors show due respect for the opinions of others. Professors acknowledge academic debt and strive to be objective in their professional judgment of colleagues. Professors accept their share of faculty responsibilities for the governance of their institution.

As members of an academic institution, professors seek above all to be effective teachers and scholars. Although professors observe the stated regulations of the institution, provided the regulations do not contravene academic freedom, they maintain their right to criticize and seek revision. Professors give due regard to their paramount responsibilities within their institutions in determining the amount and character of work done outside it. When considering the interruption or termination of their service, professors recognize the effect of their decision upon the program of the institution and give due notice of their intentions.

As members of their community, professors have the rights and obligations of other citizens. Professors measure the urgency of these obligations in the light of their responsibilities to their subject, to their students, to their professions, and to their institution. When they speak or act as private persons, they avoid creating the impression of speaking or acting for their college or university. As citizens engaged in a profession that depends upon freedom for its health and integrity, professors have a particular obligation to promote conditions of free inquiry and to further public understanding of academic freedom.

Academic Freedom Board Policy 4030

The Grossmont-Cuyamaca College District Governing Board shall promote public understanding and support of academic freedom for the implementation of the educational philosophy of Grossmont-Cuyamaca Community College District. Academic freedom is fundamental for the protection of the rights of the instructor in teaching, and of the student to freedom in learning. It carries with it duties correlative with rights.

1. Instructors are entitled to freedom in the classroom in discussing their subject, but they should be careful not to introduce into their teaching material that has no relation to their subject. The intent is not to discourage what is “controversial.” Controversy is at the heart of the free academic inquiry that this entire policy is designed to foster. Instructors should avoid persistently intruding material that has no relation to their subject.
2. Instructors are citizens, members of a learned profession, and may be viewed by those outside of the District as representatives of the District. When they speak or write as citizens outside of their roles with the District, they should be free from institutional censorship or discipline, but their special position in the community imposes special obligations. As scholars and instructors, they should remember that the public might judge their profession and Grossmont-Cuyamaca Community College District by their utterances. Hence they should at all times be accurate, should exercise appropriate restraint, should show respect for the opinions of others, and should make every effort to indicate that they are not speaking for the District.
3. As colleagues, faculty members have obligations that derive from the code of ethics (adopted by both the Grossmont College Academic

Senate [11/16/92] and the Cuyamaca College Academic Senate [4/6/95]). Faculty members do not discriminate against or harass colleagues and students. They respect and defend the free inquiry of associates. In the exchange of criticism and ideas, faculty members show due respect for the opinions of others. Such exchanges shall focus upon the substance and content rather than personal characteristics of individuals. Uncivil, intemperate, or abusive language and behavior is contrary to a productive and safe working and educational environment. This does not contravene academic freedom and free exchange of ideas and opinions, but requires accuracy, appropriate restraint, and respect for the professional expression of others.

4. Instructors are entitled to full freedom in academic research and publication, subject to the adequate performance of their other academic duties, but research and publication for pecuniary return should be based upon an understanding consistent with the collectively bargained agreement between the District and the exclusive bargaining representatives.

General Information

Nondiscrimination Notice

The Grossmont-Cuyamaca Community College District (District) is committed to providing learning and working environments that ensure and promote diversity, equity, and inclusion. People of diverse backgrounds, perspectives, socioeconomic levels, cultures, and abilities are valued, welcomed, and included in all aspects of our organization. The District strives to provide an educational environment that fosters cultural awareness, mutual understanding, and respect that ultimately also benefits the global community.

No person shall be unlawfully subjected to discrimination or denied full and equal access to District programs or activities on the basis of ethnic group identification, race or ethnicity, color, national origin, religion, age, gender, gender identity, gender expression, physical or mental disability, medical condition, pregnancy, genetic information, ancestry, sexual orientation, marital status, or military and veteran status, or because he or she is perceived to have one or more of the foregoing characteristics, or based on association with a person or group with one or more of these actual or perceived characteristics. District programs and activities include, but are not limited to any that are administered or funded directly by or that receive any financial assistance from the California Community Colleges Chancellor's Office.

The Chancellor shall establish administrative procedures that ensure all members of the college community can present complaints regarding alleged violations of this policy and have complaints heard in accordance with the Title 5 regulations and those of other agencies that administer state and federal laws regarding nondiscrimination.

No District funds shall be used for membership or for any participation involving financial payment or contribution on behalf of the District or any individual employed by or associated with the District, to any private organization whose membership practices are discriminatory on the basis of the groups mentioned above.

Inquiries regarding the equal opportunity policies, the filing of grievances, or for requesting a copy of the college's grievance procedures may be directed to:

Employees (all faculty and staff):

- Michael Salvador, GCCCD District Director and Title IX Coordinator
Michael.Salvador@gcccd.edu
8800 Grossmont College Drive, Bldg. 38H
El Cajon, CA 92020
(619) 644-7039
- Lindsay Degen, Human Resources Technician
District Office
Lindsay.Degen@gcccd.edu
8800 Grossmont College Drive, Bldg. 80B
El Cajon, CA 92020
(619) 644-7046

Students:

- Sara Varghese, Dean of Student Affairs
Grossmont College - Title IX Investigator
Sara.Varghese@gcccd.edu
8800 Grossmont College Drive, Room 60-203

El Cajon, CA 92020
(619) 644-7159

Grossmont College recognizes its obligation to provide overall program accessibility for those with physical and mental disabilities. Contact the Accessibility Resource Center (A.R.C) at (619) 644-7112, tone device for deaf (619) 644-7119, Room 60-120 to obtain information on programs and services, activities and facilities on campus and for a geographical accessibility map.

Inquiries regarding federal laws and regulations concerning nondiscrimination in education or the college's compliance with those provisions may also be directed to:

- **Office for Civil Rights**
U.S. Department of Education
221 Main Street, Suite 1020
San Francisco, CA 94105

Sexual Harassment

Legal Background: Guidelines of Title VII of the Civil Rights Act focus upon sexual harassment as an unlawful practice. "Sexual harassment like harassment on the basis of color, race, religion or national origin, has long been recognized by the Equal Employment Opportunity Commission as a violation of Section 703 of Title VII of the Civil Rights Act as amended" (Federal Register, April 11, 1980). Interpretation of Title IX of the Education Amendments similarly delineates sexual harassment as discriminatory and unlawful.

Definition: Sexual harassment is defined in GCCCD Policy 3430 as the following:

Unwelcome sexual advances, requests for sexual favors, and other verbal, visual, or physical conduct of a sexual nature made by someone from, or in, the work or educational setting when:

- Submission to the conduct is made a term or condition of an individual's employment, academic status, or progress;
- Submission to or rejection of the conduct by the individual is used as a basis of employment or academic decisions affecting the individual;
- The conduct has the purpose or effect of having a negative impact upon the individual's work or academic performance, or of creating an intimidating, hostile or offensive work or education environment; or
- Submission to or rejection of the conduct by the individual is used as the basis for any decision affecting the individual.

Process: Complaints must be filed within 180 days of the date the alleged unlawful discrimination occurred, except that this period shall be extended by no more than 90 days following the expiration of the 180 days if the complainant first obtained knowledge of the facts of the alleged violation after the expiration of the 180 days (California Code Regulations, Title 5, Section 59328e).

If the alleged harasser is a student, initial action on the complaint shall be the joint responsibility of the Dean, Student Affairs and the Director of Employee and Labor Relations.

If the alleged harasser is an employee, initial action on the complaint shall be the joint responsibility of the employee's immediate supervisor and the Director of Employee and Labor Relations.

Air Force and Army Reserve Officers Training Corps

Air Force Reserve Officers Training Corps (AFROTC)

The Air Force Reserve Officer Training Corps (AFROTC) is a three- or four-year program designed to equip students with leadership skills and commission officers for tomorrow's Air Force. Required coursework includes lectures, a leadership laboratory practical component, panel discussions, dialogues, problem solving, and physical training. All coursework is completed on site at or near SDSU, with the exception of a four-week summer Field Training encampment conducted on a military base between the second and third year.

Scholarships are available for qualified cadets, and may be applied towards tuition, lab fees, and other required items. In addition, scholarship students receive a non-taxable book allowance and monthly stipend. Upon successful completion of the AFROTC program and all requirements for a Bachelor's Degree, cadets are commissioned as Second Lieutenants and serve a minimum of four years in the Active Duty Air Force.

Grossmont College does not have a Reserve Officer Training Corps (ROTC) program on campus; however, through an agreement with San Diego State University, students may participate in Air Force ROTC through the SDSU College of Extended Studies. Credits earned in these classes may be transferred as electives to meet the degree requirements of Grossmont College.

There is no advance application needed to participate in the freshmen or sophomore level course; however, an orientation program, held just prior to the start of the semester, is recommended. Interested students should contact the AFROTC Detachment 075 Recruiting Flight Commander at (619) 594-5550 or see the websites below for more information.

US Air Force Website: <https://www.airforce.com>
National AFROTC Website: <https://www.afrotc.com>

American Collegiate English (ACE)

The American Collegiate English (ACE) program is a non-credit intensive intermediate-level English program for international students. International students who do not have the 45 (iBT) TOEFL score required for Grossmont College admission may apply for ACE. Students who complete an ACE session and fulfill the academic requirements in their coursework are eligible to transfer to Grossmont College without a TOEFL score. Two 14-week sessions (Fall and Spring) and an 8-week Summer session are offered. Applications and more information are available at <https://www.grossmont.edu/ace> (<https://www.grossmont.edu/ace/>) or the ACE Office.

Mission Statement: American Collegiate English (ACE) is dedicated to assisting international students in their academic, social, and cultural transition to Grossmont College or other U.S. institutions of higher education. Our highly-qualified and professional instructors employ current, engaging methods that focus on the English language skills that help ensure success for the students in their pursuit of higher education.

Child Development Center

The Grossmont College Child Development Center, operated by the Child Development Program, provides care and education for infant, toddler and preschool children of students, staff and faculty. Please call the Center at 619-644-7715 for information on specific ages, fees, schedules,

and registration. Applications are available on the website: <https://www.grossmont.edu/childdevelopment> (<https://www.grossmont.edu/childdevelopment/>).

Community Service Learning Experience

Community Service Learning (CSL) is a form of "experiential education," which helps students "learn by doing" through structured activities outside of the classroom and by reflecting on these experiences. Through CSL, students learn about needs in the community while volunteering to address those needs at a specific agency.

At Grossmont College students have the opportunity to earn academic credit for CSLE in about 15 different disciplines. They can apply classroom knowledge to agencies that serve to address a variety of needs, such as homelessness, literacy, the arts, nutrition and aging. The CSL experience can also help students research majors and clarify career goals, while taking part in the larger statewide service agenda.

Evening, Saturday and Off-Campus Classes

Evening, Saturday and off-campus classes do not differ from those in the regular day program. They are parallel in title and number, prerequisites, course content, outside work required and examinations. Students may also satisfy requirements for the Associate in Arts Degree or the Associate in Science Degree.

The courses offer many possibilities: preparation for a vocation, preparation for transfer to a four-year college, an opportunity to obtain a general education and an opportunity to participate in a short lecture, concert, or film series. Counseling services are available to help students in their educational planning. Admission procedures and requirements described elsewhere in this catalog are applicable to the student.

International Education Study Abroad Programs

Grossmont College is committed to providing opportunities for students to participate in study abroad programs in foreign countries and to develop their global competence.

Semester Programs

Grossmont College offers semester-length study abroad programs in other countries through SDICCCA, a consortium of colleges in Southern California. General education courses vary as appropriate to the country where the study abroad program is taking place and to the faculty selected for these programs.

Summer Programs

A variety of programs are offered during the summer that offer intensive language study combined with study of the local culture and arts.

Program Format

Classes are held at universities in the host country. Students live in shared apartments or where available may choose to live with local families. Field trips and excursions to nearby points of interest are included in the study abroad programs. College credits earned while studying abroad are transferable and meet all general education requirements.

Costs vary according to location and length of stay. Scholarships, grants, loans and other financial aid options are available for students who

qualify. Please contact the Financial Aid Office for more information at 619-644-7129.

Additional information is available at 619-644-7241 and at the Grossmont College website under student activities.

New Horizons

This Perkins funded program provides services to qualified students enrolled in vocational programs at Grossmont College. Services offered are specialized counseling, referrals, and coordination with other campus services. Our goal is to help individuals improve the quality of their lives and attain family economic self-sufficiency through education. You may qualify by one or more of the following if you are:

- A single parent;
- A displaced homemaker;
- A single pregnant woman;
- Low-Income Individual (qualify for fee waiver);
- An academically under prepared student enrolled in a vocational major leading to a certificate, associate degree or skills upgrade.

(To determine what is a vocational major and the possibility of other support services contact our staff.) The New Horizons Office is located in Room. 60-125, telephone (619) 644-7552, or visit our web site at <https://www.grossmont.edu/student-support/eops-care-nextup/new-horizons.php>

NextUp formerly, Cooperating Agencies Foster Youth Educational Support (CAFYES)

NextUp Foster Youth Services

The NextUp program is designed to serve students from foster care through the Extended Opportunity Programs and Services (EOPS) program. The NextUp program at Grossmont College provides comprehensive support services tailored specifically to the needs of current or former foster youth.

NextUp Services can include:

- Academic, Career and Personal Counseling tailored to the needs of Foster Youth
- NextUp College Orientation Services
- Specialized Student Success Workshops
- Book Grants (Fall, Winter, Spring and Summer)
- Meal Vouchers
- NextUp Cash Grants
- Transportation assistance
- Additional services may be provided as needed

To be eligible for the NextUp program, students must:

- Be current or former foster youth in California whose dependency was established or continued by the court on or after the student's 16th birthday (students in care at ages 13 to 15 may qualify for the Guardian Scholars program)
- Provide **one** of the following documents to verify foster dependency status:
 - Verification in writing from the county child welfare agency or
 - Verification in writing from the county independent living program or

- Verification in writing from the county probation agency or
- Verification in writing from the California Department of Social Services Foster Care Ombudsman

To be eligible for the NextUp program, students must also:

- Be no older than 25 years of age at the commencement of any academic year in which they participate in the NextUp program
- Be eligible for the EOPS program
- Be enrolled in 9 or more units at time of acceptance into the program, unless the student has a waiver for fewer units from the A.R.C. (Accessibility Resource Center)

The NextUp Office is located in 60-125. To learn more or check eligibility, please call 619-644-3932.

Office Professional Training (OPT) Program

Grossmont College Business Office Technology Dept. offers a full-time, one-semester, job-training program for business office careers in accounting, insurance, medical office, and office support.

All tuition, fees, and books are free to eligible persons, along with counseling support and career placement assistance.

Training includes college-credit courses in keyboarding, Microsoft Word, Excel, Outlook, Business English & Communication, Effective Job Search, Social Media for Job Seekers, and Office Systems & Procedures. Career specialization courses are also included.

Program offered every fall and spring semester. Contact the OPT office at 619-644-7247 or Grossmont.opt@gcccd.edu for information. <https://www.grossmont.edu/academics/programs/bot/opt.php>

Project Success

The Project Success Learning Communities Program is coordinated by the Grossmont College English Department. A learning community consists of cohorts of students enrolled together in two or more courses that are linked and intentionally designed to enhance collaborative, integrative learning and critical thinking.

In any given semester, students may have the option of enrolling in an interdisciplinary link consisting of English 120 and one of the following General Education courses: Psychology 120, Sociology 120, Administration of Justice 110, Child Development 125, or Ethnic Studies 114. These courses satisfy general education requirements for Grossmont and transfer to CSU and UC. Please check the course schedule for available options.

For more information, contact 619.644.7869 or make an appointment to meet with an academic counselor by calling 619.644.7208.

Schedule of Classes

Grossmont College publishes an online schedule of classes prior to the beginning of each fall and spring semester and one for all summer sessions indicating each course to be offered during the day and evening.

Summer Session

A student can register for a maximum of eight units during the summer session. Application for admission must be filed prior to each session. College and legal regulations including residence, fees, veterans, financial

aid and withdrawal procedures apply. Members of the counseling staff are available throughout the summer session for assistance.

Voter Registration

Register to Vote at www.sos.ca.gov/elections/voter-registration/ (<http://www.sos.ca.gov/elections/voter-registration/>)

For information on early voting dates, please access the Registrar of Voters website at www.sdvote.com/ (<http://www.sdvote.com/>).

Voter Registration Dates:

September 19, 2023 – National Voter Registration Day

November 7, 2023 – City of Chula Vista Special Vacancy Election

Last Day to Register to Vote:

- **In Person:** 15 days before Election Day
- **By Mail:** Postmarked 15 days before Election Day
- **Online:** 15 days before Election Day

You can also “conditionally” register and vote at your county elections office after the 15-day voter registration deadline.

All dates can be verified online at the Secretary of State (www.sos.ca.gov/elections/) or county election office (www.sdvote.com (<http://www.sdvote.com/>))

Admission Information

Admission and Registration

The college year is divided into three primary sessions: fall semester, spring semester (including spring intersession) and summer session. Courses offered during the various sessions are similar in scope and maintain equivalent standards. The same requirements for admission, enrollment and graduation apply to all students, regardless of time of day or period of the year they attend classes. The college library, laboratories, and other facilities are available throughout each session.

Admission Procedures

Students should observe the following admission procedures:

1. File an application online (<https://www.grossmont.edu>).
2. Have official transcripts on file from all colleges attended. An official transcript is one that has been sent directly to the office of Admissions and Records from the issuing institution. Transcripts submitted previously by applicants who never enrolled are kept on file for two years.
 - a. Grossmont College accepts credit only from institutions accredited by one of the six regional accrediting associations.
 - b. Veterans receiving benefits must submit all transcripts from previous colleges.
3. Per state legislation (AB 705/1805), all students have the right to bypass remedial coursework and register directly into transfer-level English and Math. Standardized assessment tests are no longer used to place students into English and math coursework. Instead, students who plan to enroll in an English or math class, or who plan to enter a degree, certificate or transfer program are encouraged to fill out a self-guided placement questionnaire based on their high school academic record (such as coursework, grades, and/or GPA). In addition, colleges shall use evidence-based multiple measures for placing students into English-as-a-Second Language (ESL) courses. To access the self-guided questionnaire, please visit <https://selfservice.gcccd.edu/Student/>. Students who have completed an English and math class at another college may receive placement by presenting transcripts to the Counseling Center or by submitting an Online Placement/Prerequisite Clearance Form that can be found at <https://www.grossmont.edu/admissions/placement-prerequisite-clearance-form.php>.
4. Arrange for an orientation and program advisement appointment.
5. Complete formal registration as scheduled (course selection and fee payment).

Scholastic Requirements for Admission

Students who are high school graduates or equivalent, or who are over 18 years of age and can profit from the instruction offered, may attend Grossmont College.

Residency Information

Each student enrolled or applying for admission to any California community college will provide information and evidence of residence as deemed necessary by the district Governing Board to determine residence classification. Guidelines for determining residence are outlined in the California Administrative and Education Codes. Falsification of residency information may result in admission to the college being denied.

The determination of a student's classification will be made in accordance with the provisions of these policies and the residence determination date for the semester or session for which the student proposes to attend any community college. The following is a summary of residency guidelines and is by no means complete. Changes may have been made in the statutes and regulations since the time this catalog was published. For more information, contact the Residency Specialist in the Admissions and Records Office.

I. Resident Classification

1. A "*resident*" is a student who has been both physically present, and has shown intent to make the State of California his/her residence for more than one year immediately preceding the residence determination date (Section 54020 of Title 5 of the California Administrative Code). At Grossmont College the "residence determination date" is the day immediately preceding the first day of instruction of the semester or term to which the student seeks admission.
2. A "*non-resident*" is a student who has not been either physically present or shown intent to make the State of California his/her residence for more than one year immediately preceding the residence determination date. Students so classified, unless they qualify under one or more of the exceptions later enumerated, will be required to pay a tuition charge as established by the Grossmont-Cuyamaca Community College District Governing Board.

II. Determination of Residence

1. **Residence.** The following rules are used to determine place of residence. Each student must provide appropriate documentation.
 - a. The "residency determination date" is one year and one day prior to the beginning of the semester. Every person by law has a residence. A person can have only one residence. There is only **one** residency determination date per semester.
 - b. To be eligible for resident classification, you must have established and maintained permanent residence in California at least one full year prior to the residency determination date.
 - c. Residence is defined where one remains when not called elsewhere for labor or other special or temporary purposes, and to which one returns in seasons of repose.
 - d. Residency of students under 19 at the time of the residency determination date will be based on the residency status of the parent (or legal court-appointed guardian) with whom they are living, or have most recently lived with. Between the ages of 18 and 19 the student is considered to be establishing their own residency, with a one-year waiting period starting on their 18th birthday.
 - e. A residency can be changed only by the union of physical presence and intent.
 - f. A person who wants to clear his or her residency for a current semester must do so during the semester, and not after the semester is over.
 - g. A person cannot establish residency in California by simply attending school in California and demonstrate no actions of 'intent'.
 - h. Conduct **consistent** with attaining California residency includes getting a California driver's license, registering your car in California, registering to vote in California, filing California resident tax form, maintaining an active bank account in California and maintaining permanent residence in the state.

- i. Conduct **inconsistent** with a claim for California residency includes getting or maintaining a driver's license and/or vehicle registration in another state, attending an out-of-state institution as a resident of that state, declaring non-residence for California income tax purposes, being claimed as a dependent by your out of state parent, being a petitioner for a divorce or lawsuit as a resident in another state, attending an out of state school as a resident of that state, or maintaining ties to your previous state of residence.
2. **Adults.** Persons 18 years of age or older may establish residence in accordance with Section A and C (6).
3. **Minors.** Persons under 18 years of age may establish residence in accordance with the following:
- A married minor may establish his/her own residence.
 - If the parents are separated permanently, the residence of the minor is the residence of the parent with whom the minor lives.
 - If both parents are deceased and there is no court-appointed guardian, the minor may establish his/her own residence.
 - The residence of an unmarried minor who has a parent living cannot be changed by his or her own act, by the appointment of a legal guardian or by relinquishment of a parent's right of control, unless the minor qualifies for the two-year care and control or the self-support exception.
 - When applicable, a student who has not been an adult for a full year (those under 19 years of age) immediately preceding the "residence determination date" for the semester, or term, may combine time as a resident minor with time as a resident adult to establish the one year California "resident" requirement.
 - A student who is a minor and resides with either the father or mother (or both) may be classified as a resident of California if the parent (or parents) with whom the minor lives has had a legal residence in California for more than one year prior to the "residence determination date." This determination is made whether or not the minor has resided with the parent (or parents) for one day, one month or one year. The determining factor is whether the parent with whom the minor lives is a legal resident of California.
4. **Exceptions.**
- A student who is a minor and remains in California after "resident" parents establish residence elsewhere, may retain residency until the minor has attained majority or long enough to establish legal residence, so long as continuous attendance is maintained with at least 12 units at an institution. Nothing in this section will require attendance during summer intersession or any term beyond the normal academic year.
 - The student classified as a "non-resident" shall not obtain "resident" classification as a result of maintaining continuous attendance at an institution without meeting the other requirements of obtaining such classification.
 - A minor student who has been entirely self-supporting and actually present in California for more than one year immediately preceding the "residence determination date," with the intention of acquiring a residence therein, shall be entitled to "resident" classification until the student has resided in the state the minimum time necessary to become a resident.
 - A person who is a natural or adopted child, stepchild or spouse, who is a dependent of a member of the armed forces of the United States stationed in California on active duty, shall be waived from paying nonresident tuition during the first year he/she resides in California or until he/she has resided in California the minimum time necessary to become a resident. This exception requires that the member of the armed forces be stationed within California, or has been transferred to a place outside the continental United States directly from a California duty assignment. After two years have elapsed, the student is subject to reclassification according to the policies stated in this section.
- e. A person who is a member of the armed forces of the United States stationed in California on active duty, except a member of the armed forces assigned for educational purposes to state-supported institutions of higher education, shall be waived from paying nonresident tuition for the entire period he/she is stationed on active duty in California.
- f. A person who was a member of the armed forces stationed in California on active duty for more than one year immediately prior to being discharged, shall be waived from paying nonresident tuition for up to two years for the time he/she lives in California after being discharged. This three year waiver after the discharge date allows the time necessary to establish residence. After two years have elapsed, the student is subject to reclassification according to the policies stated in this section. A veteran who was discharged or released from at least 90 days of active service less than three years before the date of enrollment in a course commencing on or after July 1, 2015, and his/her dependents, regardless of the veteran's state of residence are entitled to resident classification.
- Changes for VACA (Veteran's Choice Access Act 2015)**
(Nonresident Veterans)
(Title 38, U.S. Code 3679(c); Ed. Code §§ 68075.5, 68075.7)
In August 2014, the Veterans Access, Choice, and Accountability Act of 2014 (VACA Act) was signed into federal law (updated in 2016 by Public Law 114-315). This required the U.S. Department of Veterans Affairs (VA) to disapprove programs of education under the Montgomery GI Bill-Active Duty (MGIB-AD) and Post-9/11 GI Bill education benefit programs (Chapters 30 or 33, respectively, of Title 38, U.S. Code) at public institutions of higher learning if the school charges qualifying nonresident veterans and other qualifying individuals ("covered individuals") tuition and fees in excess of the in-state rate for resident students for terms beginning after July 1, 2015 therefore, California Community Colleges proceeded to implement "in-state" rates for "covered individuals" effective for academic terms beginning after July, 1 2015 as required by enacted Education Code section 68075.7 (AB 81, 2015; SB 85, 2017). For the specific criteria for determining eligibility for "covered individual status" and other VACA Act implementation guidance, please refer to Title 38, U.S. Code, section 3679(c) and Education Code section 68075.7. Please note the VACA Act was further amended in September 2018 by Pub. L. No 115-251, which added a new category of covered individuals. The new category includes individuals eligible for rehabilitation under 38 U.S. Code § 3102 pursuing a course of education with education assistance from the Training and Rehabilitation for Veterans with Service-Connected Disabilities (Chapter 31) education benefits program. SB 701 (Chapter 110, 2021) effective for academic terms beginning after July 1, 2019, amends Education Code section 68075.7 to mirror federal law and include the new category of "covered individuals". Education Code section 68075.7 grants an exemption to nonresident tuition to all qualifying individuals ("covered individuals") under the VACA Act as defined in 38 U.S.C. 3679(c).

To qualify for AB13 VACA to waive non-resident fees, the student must be a "covered individual" (Montgomery GI Bill, Veterans Readiness Program and Post 9/11) using VA education benefits at Grossmont College.

A student who is an adult alien will be entitled to "resident" classification if the student has been lawfully admitted to the United States for permanent residence, provided that the student has had residence in the State of California for more than one year after such admission prior to the "residence determination date" for the term for which the student proposed to attend the institution.

For purposes of this section, "Armed Forces of the United States" means the Air Force, Army, Coast Guard, Marine Corps, Navy, **and the reserve components of each of those forces, the California Army National Guard, the California State Military Reserve, and the California Naval Militia.** (AB3255)

If that member of the Armed Forces of the United States who is in attendance at an institution is thereafter transferred on military orders to a place outside this state where the member continues to serve in the Armed Forces of the United States, he or she shall not lose his or her resident classification so long as he or she remains continuously enrolled at that institution.

g. A student who is an adult alien will be entitled to "resident" classification if the student has been lawfully admitted to the United States for permanent residence, provided that the student has had residence in the State of California for more than one year after such admission prior to the "residence determination date" for the term for which the student proposed to attend the institution.

h. A student who is a minor alien will be entitled to "resident" classification if both the student and the student's parents have been lawfully admitted to the United States for permanent residence, provided that the parents have had residence in the state for more than one year after such admission prior to the "residence determination date" for the term for which the student proposes to attend an institution.

Education code section 68075.6 grants an immediate nonresident tuition fee exemption to eligible Special Immigrant Visa (SIV) holders and refugee students who settled in California upon entering the U.S. This exemption is granted for one year from the date the student settled in California upon entering the U.S. This exemption applies to the following: (AB343)

Iraqi citizens or nationals and the spouses and children who were employed by or on behalf of the U.S. Government in Iraq. (Pub.L. No.110-181,1244)

Afghan and Iraqi translators (and their spouses and children) who worked directly with U.S. Armed Forces.

Afghanistan nationals who were employed by or on behalf of the U.S. or in the International Security Assistance Force in Afghanistan.

Refugee students admitted to the U.S. under Section 1157 of Title 8 of the United States Code.

A special part-time high school student, other than a non-immigrant alien within the meaning of paragraph (15) of subsection (a) of Section 1101 of Title 8 of the United States Code, admitted pursuant to Section 76001, 76003, or 76004, (AB2364).

A student who is a U.S. citizen who has a parent or guardian who has been deported or was permitted to depart voluntarily under the federal Immigration and Nationality Act in accordance with Section 1229c of Title 8 of the United States Code. The student

shall provide documents from the United States Citizenship and Immigration Services evidencing the deportation or voluntary departure of his or her parent or guardian. (AB141)

i. A student who is an apprentice, as defined in Section 3077 of the Labor Code, will be entitled to "resident" classification.

j. A student who holds a valid credential authorizing service in the public schools of California and who is employed by a school district in a full-time position requiring certification qualifications for the college year in which the student enrolls will be entitled to "resident" classification if such a student meets any of the following requirements:

- i. Holds a provisional credential and enrolls in courses necessary to obtain another type of credential authorizing service in the public schools.
- ii. Holds a credential issued pursuant to Section 44250 and enrolls in courses necessary to fulfill credential requirements.
- iii. Enrolls in courses necessary to fulfill the requirements for a fifth year of education, prescribed by sub. (b) of Section 44259.

k. A student who is a full-time employee of a California community college or a student who is the child or spouse of a full-time employee of a California community college may be entitled to "resident" classification until the student has resided in the State of California the minimum time necessary to become a resident.

l. A minor student shall be entitled to "resident" classification if, immediately prior to enrolling at an institution, the student has lived and been under the continuous direct care and control of any adult or adults, other than a parent, for a period of not less than two years, provided that the adult or adults having such control have been domiciled in California during the year immediately prior to the "residence determination date." This exception shall continue until the student has attained the age of majority and has resided in the state the minimum time necessary to become a resident so long as continuous attendance is maintained at an institution. A student who meets the AB540 status (see Financial Aid) website <https://www.grossmont.edu/financial-aid/how-to-pay-for-college/financial-aid-for-undocumented-students.php> for criteria.

m. For purposes of the non-resident tuition fee, a community college district shall disregard the time during which a student living in the district resided outside the state if:

- i. The change of residence to a place outside the state was due to a job transfer and was made at the request of the student's employer or, in the case of a student who resided with and was a dependent of the student's parents, the change of residence was made at the request of an employer of either of the student's parents.
- ii. Such absence from the state was for a period of not more than four years providing student never established residency in another state.
- iii. At the time of application for admission to a college maintained by the district, the student would qualify as a resident if the period of the student's absence from the state was disregarded.

A non-resident tuition fee shall not be charged to a student who meets each of the conditions specified in subdivisions "a through c" inclusive.

n. **AB 540**

One major exception from the payment of nonresident tuition is often referred to as the "AB 540" exemption. Assembly Bill (AB) 540 added section 68130.5 to the Education Code, which was modified in 2014 with the passage of AB 2000 (Gomez), and again in 2017 with the passage of SB 68 (Lara). (Ed. Code, § 68130.5; Cal. Code Regs., tit. 5, §§ 54045.5 and 58003.6) This section requires community college districts to exempt eligible students from nonresident tuition if they meet all of the following requirements:

i. Requirement 1: Attendance at California Schools

This requirement may be met in either of the following two ways:

- Total attendance (or attainment of credits earned) in California equivalent to three or more years of full-time attendance at California high schools, California adult schools, campuses of the California Community Colleges, or a combination of these; or
- Three or more years of full-time high school coursework in California, and a total of three or more years of attendance in California elementary schools and/or California secondary schools.

Note: Attendance in credit courses at a California community college counted toward this requirement shall not exceed a total of two years of full-time attendance. Please see AB 540 Affidavit form regarding credit hours required.

ii. Requirement 2: Completion of a Course of Study

This requirement can be met in any of the following ways:

- Graduation from a California high school or equivalent; or
- Attainment of an associate degree from a California community college; or
- Fulfillment of the minimum transfer requirements established for the University of California or the California State University for students transferring from a California community college

iii. Requirement 3: Registration

Requires registration as an entering student at, or current enrollment at, an accredited institution of higher education in California. (Ed. Code, § 68130.5, subd. (a)(3).)

iv. Requirement 4: Affidavit of student without lawful immigration status

Students without lawful immigration status must file an affidavit with their college or university stating that the student has either filed an application to legalize his or her immigration status, or will file an application as soon as he or she is eligible to do so. (Ed. Code, § 68130.5, subd. (a)(4).) Nonimmigrant alien students (other than "T" or "U" nonimmigrant visa holders in accordance with Education Code section 68122 and effective January 1, 2013 pursuant to AB 1899 of 2012), as defined by federal law, are not eligible for the AB 540 exemption. Students who are exempt from the payment of nonresident tuition under Education Code section 68130.5 may be reported by a community college district as a full-time equivalent student for apportionment purposes. Although these students are exempted from paying nonresident tuition, they remain nonresidents until such time as they change their immigration status to one that allows establishing a domicile in the United States.

o. AB 2364

Pursuant to AB 2364 (Holden, Chapter 299, Statutes of 2016; Ed. Code, § 76140) and effective January 1, 2017, a district must exempt all qualifying nonresident special "part-time" students (other than those with a non-immigrant status, such as those present in the United States on a B Visitor Visa¹) from the nonresident tuition fee and expressly allows districts to report their attendance as resident FTES for apportionment purposes. Under an AB 288 (Holden, Chapter 618, Statutes of 2015) College and Career Access Pathways Partnership (CCAP) dual enrollment agreement with a school district, qualifying special part-time student status permits enrollment up to 15 credit units and the units may not constitute more than four community college courses per term in accordance with Education Code section 76004(p). Under non-CCAP dual enrollment, qualifying special part-time student status permits enrollment up to 11 credit units per term in accordance with Education Code section 76001(d). Please note that the AB 2364 provisions described above modified the provisions of previously approved SB 150 (Lara, Chapter 575, Statutes of 2013). SB 150 provided that the nonresident tuition exemption applicable to eligible special part-time students was permissive, which under AB 2364 has now been modified to be mandatory. Additionally, under SB 150 the attendance generated by exempted students was not eligible to be reported for apportionment purposes, but under AB 2364 attendance generated by exempted students is eligible to be reported for apportionment purposes. As was the case with SB 150, the only nonresident special part-time students that would not be eligible would be those with a nonimmigrant status¹, such as those present in the United States on a B Visitor Visa or an F Student Visa.

p. T-1 to T-6 visa holders

Victims of a severe form of trafficking in persons; spouse or child; parent of T-1 if T-1 victim is under 21 years of age. [Note: May be entitled to an immediate exemption from the nonresident tuition fee if upon entry to the United States, the T visa holder first settled in California pursuant to the provisions of Education Code section 68075.6 and 68122 (effective January 1, 2018). This exemption is only for the length of time he or she lives in this state up to the minimum time necessary to become a resident (one year and one day).]

q. U-1 to U-5 visa holders

Victims of certain crimes; spouse or child; parent of U-1 victim if U-1 is under 21 years of age. [Note: May be entitled to an immediate exemption from the nonresident tuition fee if upon entry to the United States, the U visa holder first settled in California pursuant to the provisions of Education Code section 68075.6 and 68122 (effective January 1, 2018). This exemption is only for the length of time he or she lives in this state up to the minimum time necessary to become a resident (one year and one day).]

r. Adult Dependent Child of California Resident

A student who has not been an adult resident of California for more than one year and is the dependent child of a California resident parent shall be entitled to resident classification until the student has resided in California the minimum time necessary to become a resident so long as continuous attendance is maintained at the college.

Thereafter, such student must meet the requirements for establishing residency.

Requires:

- i. The student must be an adult natural or adopted child of a California resident who has satisfied the one-year waiting period requirement.
- ii. The student is a dependent for income tax purposes of that California resident, or evidence is provided that the student is currently dependent on parent who is a California resident, even though the student had previously been claimed for income tax purposes by a parent who resided outside of California. The student must not have lived in California for more than one year.
- iii. The student must maintain continuous attendance at the college.

Reference: ECS 68076

¹ As an interpretation of AB 2364, please note that the Chancellor's Office has determined that nonresident special part-time students that hold a "T" or "U" non-immigrant visa would **not** be excluded from this required nonresident tuition fee exemption and that eligible special part-time students must reside in California during the period of attendance.

III. Factors to be Considered in Determining Residence

1. Residence is established only by the union of both act and intent. The following factors may be used to demonstrate that intent. No one factor is decisive; however, the college may look for certain objective manifestations of subjective intent on the part of one asserting that residence status has been established, or has been maintained in spite of an absence from California.
 - a. Registering to vote and voting in elections in California and not in any other state.
 - b. Filing California personal income taxes as a resident of the state.
 - c. Ownership of residential property or continuous occupancy.
 - d. Licensing from the state for professional practice.
 - e. Maintaining active resident memberships in California professional organizations.
 - f. Maintain valid resident California vehicle license plates and/or operator's license.
 - g. Maintaining active savings and checking accounts in California banks only.
 - h. Engagement in litigation for which residence is required.
 - i. Showing California as home address on federal income tax forms.
2. Factors that negate intent will also be considered.
3. The Grossmont College admissions/residency questionnaire shall contain a variety of questions directed at establishing the residency classification of a student.

IV. Review and Appeal of Classification

Any student, following a final decision on residence classification by the college, may make written appeal to the Chancellor of the district or designee within 30 calendar days of notification of the final decision by the campus regarding classification. The Chancellor, on the basis of the statement of Legal Residence, pertinent information contained in the Dean of Admissions and Records and Financial Aid file, and information contained in the student's appeal, will make the determination and notify the student by United States mail, postage prepaid.

Section 68090 requires that "The Statute Law and the rules and regulations adopted by the Governing Board shall be made available to

the students at each institution." The following are on file in the library: 2018-2019 Grossmont College Catalog and California Education Code, commencing with Section 68000.

V. Reclassification and Financial Independence

Students must request in person at the office of Admissions and Records for a change in classification from non-resident to resident status. Students should be prepared to provide appropriate written documentation.

Education Code Section 68044, as amended by Chapter 102 of the 1981 statutes, requires that the financial independence of a non-resident student seeking reclassification as a resident be included in the factors to be considered in the determination of residence.

VI. Non-Resident Tuition

A student classified as a "non-resident" will be required, except as otherwise provided in this Chapter, to pay, in addition to other fees required by the institution, non-resident tuition. Non-resident tuition must be paid at the time of registration. Students may be dropped from classes for non-payment of fees prior to the start of each semester.

VII. International Students

The procedures for paying tuition fees for a non-resident student who is a citizen and resident of a foreign country shall be the same as for non-resident students. An International Student cannot establish California residency as long as they are on a non-immigrant (F, M, J, B) visa.

Grossmont College is a part of the California Community College system and requires enrollment and health fees for all students payable at the time of registration. **Students may be dropped from classes for non-payment of fees prior to the start of each semester.** The California College Promise Grant (formerly known as the Board of Governors Fee Waiver) provides methods to assist low-income students to pay the enrollment and health fees. Eligibility requirements are available in the Financial Aid Office or at <https://www.grossmont.edu/financial-aid/grants/california-college-promise-grant.php>.

Fees

A **parking fee** will be charged to all students using the parking facilities.

Students are required to purchase their own **textbooks and supplies** and may be required to pay for equipment which is lost or broken after it has been issued. All students are encouraged to support the student activity program through the purchase of a Student Benefit Card.

It may become necessary to levy additional fees in order to defray costs above and beyond those associated with instruction.

Other Costs

For other education related expenses, please visit <https://www.grossmont.edu/financial-aid/financial-aid-status/budgeting-and-awarding-procedures-for-financial-aid.php>.

Health Fee

The Health Services Office provides services to all enrolled students who have paid the health fee or have received a financially determined waiver for the health fee.

The mandatory health fee provides accident insurance for the protection of any student who may experience an injury while participating in a college sponsored credit or non-credit class, or other activity. The

sponsored class or activity must be during a directly supervised, on-campus or school-related activity. The supervision of the sponsored class or activity must be by a member of the college staff at a college approved co-curricular activity or event. Student insurance is secondary to any individual insurance. Information and referrals for care can be obtained in the Health and Wellness Center, Building 60 – Room 130 (Inside Griffin Center) or by calling 619-644-7192 or the Health and Wellness website: <https://www.grossmont.edu/health-wellness> (<https://www.grossmont.edu/health-wellness/>)

Note: *Students whom depend exclusively upon prayer for healing according to the teaching of a bona fide religious sect, denomination or organization may petition for an exemption from the health fee by submitting a written request to the Office of Student Affairs. Waiver forms may be obtained in Admissions and Records or the Student Affairs office. Requests for exemptions will be reviewed by the Dean of Admissions and Records and Financial Aid and the Dean of Student Affairs.*

Fee	Amount
Enrollment Fee (Mandatory)	\$46 per unit (fees are subject to change)
Parking Permits:	
Auto Parking Permit - Fall & Spring	\$40
Auto Parking Permit - Summer	\$18
Motorcycle Parking Permit - Fall & Spring	\$20
Motorcycle Parking Permit - Summer	\$10
One Day Permit	\$2
Student Benefit Sticker- Fall & Spring	\$12
Student Benefit Sticker - Summer	\$6
Health Fee (Mandatory) - Fall & Spring	\$20
Health Fee (Mandatory) - Summer & Intersession	\$17
Student Representation Fee (Optional)	\$2
Nonresident Students - above fees plus	\$332 per unit
International Students - above fees plus	\$332 per unit

First Year and Educational Support Services

Student Rights and Responsibilities

Per state legislation (AB 705/1805), all students have the right to bypass remedial coursework and register directly into transfer-level English and Math. Standardized assessment tests are no longer used to place students into English and math coursework. Instead, students who plan to enroll in an English or math class, or who plan to enter a degree, certificate or transfer program are encouraged to fill out a self-guided placement questionnaire based on their high school academic record (such as coursework, grades, and/or GPA). In addition, colleges shall use evidence-based multiple measures for placing students into English-as-a-Second Language (ESL) courses.

To access the self-guided questionnaire, follow <https://selfservice.gcccd.edu/Student/> on Self-Service. Students who have completed an English and math class at another college may receive placement by presenting transcripts to the Counseling Center or by submitting an Online Placement/Prerequisite Clearance Form that can be found <https://www.grossmont.edu/admissions/placement-prerequisite-clearance-form.php>.

Access and success require a commitment on the part of the college to provide:

- Outreach Services.
- An admissions process.
- Orientation to college programs, services, facilities, academic expectations and college policies and procedures.
- Introduction to Career Exploration.
- Counseling/advisement and assistance with course selection.
- Educational Planning.
- Placement/Assessment (including Math, English and ESL) in preparation for college work.
- Comprehensive Educational Planning
- Follow-up services.
- Information on student academic progress.
- Assistance to Probation/Dismissal students.

All students are encouraged to be familiar with and participate in this process.

Admission: High School Students

Qualified high school students may be admitted for concurrent enrollment at Grossmont College in college transfer or technical courses which are not offered at the high school level upon approval of a high school counselor and parents or guardian of the student. High school students admitted in this category are subject to the usual college regulations regarding attendance and scholarship. Courses attempted and units earned will be recorded on a college transcript and may be used toward meeting graduation requirements from Grossmont College. High school students are not eligible to receive Title IV Federal Financial Aid.

Types of Dual Enrollment

1. Non-CCCAP Enrollment

Grossmont College provides opportunities for students to enroll in courses at Grossmont College while they are enrolled in high school. Permission from the high school administrator and parental approval must be obtained prior to filing an application for admission.

2. California College and Career Access Pathways (CCCAP)

Grossmont College has partnered with local high school districts to expand equitable access to educational opportunities for high school students. Courses are offered on the high school campus during the regular school day and are primarily taught by high school instructors who meet the minimum qualifications to teach at Grossmont. Courses offered vary by high school.

Students interested in taking dual enrollment courses should contact their high school counselor for participation information.

Eligibility of Students

To be eligible for concurrent enrollment, students:

1. Must be enrolled in ninth grade.
2. Must be currently enrolled in high school.

3. Must be determined by the high school principal (or designee) to have the ability to benefit from "advanced scholastic or vocational work."
4. For any high school students under eighteen years of age, written parental approval is required before filing a college application for admission.

Prospective students who do not meet all these criteria will not be accepted for college admission. An appeal process is available through the Admissions and Records Office at Grossmont College.

Policies Regarding Dual Enrollment

- High school students will be held to the same academic and conduct standards as any other college student enrolled in the class. Access to specific courses may be limited by space availability and/or course prerequisites. (See college catalog (<https://www.grossmont.edu/academics/catalog/>) and class schedule (<https://www.grossmont.edu/academics/schedule/>) for specific information.)
- High school students will attend high school for at least the minimum high school day.
- High School/College Credit (HS/CC) students may enroll for either day or extended day courses but are limited to 11 units per term. State law places a limit on the number of HS/CC students who may enroll in Exercise Science classes.
- All classes taken with Grossmont College are for college credit. Enrollment in the HS/CC program will establish a permanent college record. Courses taken for college credit may be used to meet high school graduation requirements; however, this determination is made solely by the high school district.
- High school students will need to provide transportation to and from the college, purchase a parking permit (if needed) and the required books and supplies for the college course(s).

Procedures

Students should begin the process for concurrent enrollment at least one month before the semester or session of attendance. To enroll concurrently at the college, follow these procedures:

1. Meet with your high school counselor or designer to:
 - Develop an educational program plan relating to the instructional program at the college, and
 - Select appropriate courses after the required prerequisites have been met.
 - Complete the High School/College Credit Enrollment Authorization form available on-line, at the college Admissions and Records Office or the high school counselor's office.
2. Obtain your parent's or guardian's signature on the High School/College Credit Enrollment Authorization form.
3. Create an application account and complete the Grossmont College Admissions Application.
4. Present the High School/College Credit Enrollment Authorization forms to the Admissions and Records Office at Grossmont College. Email your high school dual enrollment form to Grossmont.Dual@gcccd.edu or bring it in person to Building #10, Admissions and Records office, 8800 Grossmont College Dr., El Cajon, CA 92020 or Fax it to 619-644-7933

Fees

- Enrollment fees are waived for California resident HS/CC students. HS/CC students are responsible for paying other fees including the

Health Fee, Student Representation Fee, and Non-Resident tuition, if applicable.

- Parking Permits and Student Benefit Cards are optional for all students. High School students who are classified as non-resident might qualify for AB2364 residency waiver.
- California residents may be eligible for a fee waiver, but Federal financial aid is not available to high school students. (See the class schedule for specific information.)

Class Attendance

You must be present for the first class meeting or the instructor may drop you. In addition, the instructor may drop you for excessive absences. However, it is always the student's responsibility to drop the course before the published deadline date if you no longer plan to attend.

Additional Information

- If you wish to continue your concurrent enrollment into the next college semester, you must complete a new High School/College Credit Enrollment Authorization form. A new application for admission is not required unless missing two main semesters consecutively.
- Courses taken for college credit may be used to meet high school graduation requirements. An official college transcript should be requested by the student and sent to the high school for graduation evaluation.
- Spring semester classes typically end in early June; therefore, grades may not be available until mid-June. Please consider this fact when making plans for high school graduation.

After high school graduation: If you have been enrolled in the HS/CC program, you are eligible to continue your enrollment at Grossmont College. Please notify the Admissions and Records Office of your graduation so that your records can be updated. Please complete the High School Change of Status form and email to grossmont.admissions@gcccd.edu with proof of graduation.

Admission: Cardiovascular Technology Program (CVTE)

For the most updated and detailed information on the Cardiovascular Technology program and the application process, please visit the website at <https://www.grossmont.edu/cvt> (<https://www.grossmont.edu/cvt/>).

All Allied Health and Nursing students adhere to the graduation requirements outlined in the college catalog for the academic year in which they enter the program. For information about General Education requirements or to develop an educational plan, contact the Grossmont College Counseling Department at: 619-644-7208 for an appointment with a Counselor or to find out more about walk-in services.

The Cardiovascular Technology Program admits a limited number of students every fall semester. To be eligible to apply for the program, the following must be completed:

1. **High School graduation**, equivalency, or a higher degree.
2. **Required immunizations.** Completion of the HepB series or a positive HepB immunity test. Tdap, MMR series and Varicella series. All have specific requirements, refer to the program website for detailed information.
3. **Completion of Anatomy, Physiology and Chemistry.** All courses to be completed with a grade of "C" or higher and must include a lab. Courses taken for the CVT major must be taken at a regionally accredited institution.

- a. Anatomy and Physiology (BIO-140 Human Anatomy, BIO-141 Human Physiology and BIO-141L Laboratory in Human Physiology or BIO-144 Anatomy and Physiology I and BIO-145 Anatomy and Physiology II).
- b. Fundamentals of Chemistry (CHEM-115 Fundamentals of Chemistry)
 - i. Science recency requirement- Anatomy, Physiology and Chemistry must be completed within 7 years of the application date.
 - ii. If taking the science prerequisites as a series (offered as part I and part II), applicants are strongly encouraged to complete the entire series at the college in which they started part I. This enables the student to maintain continuity with course content.

Prospective students may submit a completed application packet throughout the year once prerequisites and required immunizations are complete. Documentation for all criteria being requested and official transcripts of all science prerequisites must be submitted with the application. If courses were taken at Grossmont or Cuyamaca College, transcripts do not have to be included. Do not send transcripts electronically or by postal mail, they cannot be accepted.

Please refer to the website for updated information on submitting an application.

Applications must be submitted in person if you reside in San Diego County. For those prospective students living outside of San Diego County, application packets can be mailed.

The program application and accompanying forms can be found on the website. Additional requirements will be needed when accepting an invitation to the program, specific information will be provided to the student on acceptance. It is strongly recommended that students complete their General Education requirements prior to being accepted in the program.

Important: Students accepted to the Cardiovascular Technology Program are required to undergo a background check and urine drug screening test prior to starting the program and being placed at any clinical site. Students are responsible for a minimum cost for these procedures. Failure to pass either or both of these procedures, or any prior convictions of a misdemeanor or felony may interfere with acceptance to the program, clinical placement, eligibility for the registry exam, or securing employment. The CVT Program cannot advise students on individual background checks or drug screens. Applicants are urged to visit the Cardiovascular Credentialing International (CCI) website at <https://cci-online.org/> and the American Registry of Diagnostic Medical Sonographers (ARDMS) at <https://www.ardms.org/>.

A small fee to Complio is required yearly. Complio is a student compliance document tracking system that works with our program and clinical sites for student placement during the 2 year program. A one-time fee for a centralized clinical recordkeeping system for allied health programs is required once clinical assignment courses begin. The program has written arrangements in place with clinical agencies that provide part of the required program.

Students currently on probation or in default of any Health Professions student loan will not be eligible to attend any of the Allied Health and Nursing programs.

Admission: ECG Telemetry (CVTE) Program

For the most updated and detailed information on the ECG Telemetry program and the application process, please visit the website at <https://www.grossmont.edu/academics/programs/health-professions/telemetry-ecg-technician/index.php> (<https://www.grossmont.edu/academics/programs/health-professions/telemetry-ecg-technician/>).

All Allied Health and Nursing students adhere to the graduation requirements outlined in the college catalog for the academic year in which they enter the program. For information about General Education requirements or to develop an educational plan, contact the Grossmont College Counseling Department at: 619-644-7208 for an appointment with a Counselor or to find out more about walk-in services.

The ECG and Telemetry Programs admit a limited number of students every fall semester for ECG and every spring semester for Telemetry. To be eligible to apply for the program, the following must be completed:

1. **High School graduation**, equivalency, or a higher degree.
2. **Required immunizations.** Completion of the HepB series or a positive Hep B immunity test. Tdap, MMR series and Varicella series. All have specific requirements, refer to the program website for detailed information.
3. **Completion of Principles of Biology.** Biology to be completed with a grade of "C" or higher and must include a lab. Courses taken for the ECG Telemetry program must be taken at a regionally accredited institution.
 - a. Principles of Biology (BIO-120 Principles of Biology)
 - Science recency requirement- Biology must be completed within 7 years of the application date.

Prospective students may submit a completed application packet throughout the year once the prerequisite and required immunizations are complete. Documentation for all criteria being requested and an official transcript for the science prerequisite must be submitted with the application. If the course was taken at Grossmont or Cuyamaca College, a transcript does not have to be included. Do not send a transcript electronically or by postal mail, it cannot be accepted.

Please refer to the website for updated information on submitting an application.

Applications must be submitted in person if you reside in San Diego County. For those prospective students living outside of San Diego County, application packets can be mailed.

The program application and accompanying forms can be found on the website. Additional requirements will be needed when accepting an invitation to the program, specific information will be provided to the student on acceptance.

Important: Students accepted to the ECG and Telemetry Programs are required to undergo a background check and urine drug screening test prior to starting the program and being placed at any clinical site. Students are responsible for a minimum cost for these procedures. Failure to pass either or both of these procedures, or any prior convictions of a misdemeanor or felony may interfere with acceptance to the program, clinical placement, eligibility for national certification, or securing employment. The ECG and Telemetry Programs cannot advise students on individual background checks or drug screens. Applicants are urged to visit the Cardiovascular Credentialing International (CCI) website at <https://cci-online.org/>.

A small fee to Complio is required. Complio is a student compliance document tracking system that works with our programs and clinical sites for student placement during the 1 semester or 1 year program. The program has written arrangements in place with clinical agencies that provide part of the required program. The program has written arrangements in place with clinical agencies that provide part of the required program.

Students currently on probation or in default of any Health Professions student loan will not be eligible to attend any of the Allied Health and Nursing programs.

Admission: Registered Nursing (NURS) Programs

For the most updated and detailed information on the Nursing program and the application process, please visit the website at <https://www.grossmont.edu/nursing> (<https://www.grossmont.edu/nursing/>).

All Allied Health and Nursing students adhere to the graduation requirements outlined in the college catalog for the academic year in which they enter the program. For information about General Education requirements or to develop an educational plan, contact the Grossmont College Counseling Department at: 619-644-7208 for an appointment with a Counselor or to find out more about walk-in services.

The Nursing Program admits a limited number of students every fall and spring semester. To be eligible to apply for the program, the following must be completed:

1. **High School graduation**, equivalency, or a higher degree.
2. **Completion of Anatomy, Physiology and Microbiology.**
All courses to be completed with a lab. Each course grade must be "C" or higher with a minimum combined GPA of 2.5 or higher. Courses taken for the Nursing major must be taken at a regionally accredited institution.
 - a. Anatomy and Physiology (BIO-140 Human Anatomy, BIO-141 Human Physiology and BIO-141L Laboratory in Human Physiology or BIO-144 Anatomy and Physiology I and BIO-145 Anatomy and Physiology II).
 - b. Microbiology (BIO-152 Paramedical Microbiology).
 - No more than one science prerequisite course may be repeated within 5 years of applying.
 - Online science labs are not permitted. Labs must be taken in a classroom setting for all science prerequisite courses.
 - Science recency requirement- Anatomy must be completed within 10 years, Physiology and Microbiology within 7 years, of the application date. Recency is determined from the date of the last science course taken. Repeating Physiology may meet the recency requirement if all 3 science courses have expired. Contact the Nursing Program office to discuss course repetition prior to enrolling in another science course.
 - If taking the science prerequisites as a series (offered as part I and part II), applicants are strongly encouraged to complete the entire series at the college in which they started part I. This enables the student to maintain continuity with course content.
 - Principles of Biology (BIO-120 Principles of Biology) is a prerequisite to the required science courses listed above. The equivalent to BIO-120 Principles of Biology may be met with 1 year of high school biology including a lab for nursing majors only. Please see the program website for more information.

3. **Successful completion of the ATI- TEAS**, the Test of Essential Academic Skills exam. This is a pre-entrance exam that covers basic Math, Reading, English and Science. All applicants must pass the most recent version in order to apply to the program; no previous versions are accepted. Students may prepare for this exam by going to the ATI testing website at <https://www.atitesting.com/>. TEAS study guides and online practice exams are available for purchase through the website. Applicants are strongly advised to visit the Nursing Program website **prior** to taking the exam for all TEAS policies, procedures and detailed information on remediation and repeating the exam at <https://www.grossmont.edu/academics/programs/nursing/students/future/apply.php>.
4. **The Nursing major "fixed set" general education courses** are strongly recommended to be completed prior to application. If all or any of the courses are incomplete, points are not awarded for GE relevant coursework. "The fixed set" includes: COMM-120 Interpersonal Communication or COMM-122 Public Speaking, ENGL-120 College Composition and Reading or ENGL-124 Advanced Composition: Critical Reasoning and Writing, or ESL-122 College Rhetoric. PSY-120 Introductory Psychology, SOC-114 Introduction to Race & Ethnicity or SOC-120 Introductory Sociology, and MATH-103 Intermediate Algebra or higher (Statistics is required for BSN transfer). Courses must be completed with no grade less than a "C."

Prospective students may submit a completed application packet to the nursing program during the application periods specified on the program website. If courses were taken at Grossmont or Cuyamaca College, transcripts do not have to be included.

Please refer to the website for updated information on submitting an application.

The Grossmont College Nursing Program does not accept applications from students who have been unsuccessful in a previous nursing program. Applicants must be in good standing with the program in which you left with no indication of a failing grade or withdraw in any nursing course.

The program application and accompanying forms can be found on the website. Additional requirements will be needed when accepting an invitation to the program, specific information will be provided to the student on acceptance.

Once provisionally accepted, the following immunizations and/or tests will be required to be complete at least 4 weeks prior to program start. Completion of: a 2-step series TB skin test or an iGRA blood test, HepB series or a positive immunity test, Tdap, MMR series or a positive immunity test for all, Varicella series or a positive immunity test.

Important: Students accepted to the Nursing Program are required to undergo a background check and urine drug screening test prior to starting the program and being placed at any clinical site. Students are responsible for a minimum cost for these procedures. Failure to pass either or both of these procedures, or any prior convictions of a misdemeanor or felony may interfere with acceptance to the program, clinical placement, eligibility for state licensure or securing employment. The Nursing Program cannot advise students on individual background checks or drug screens. Applicants are urged to visit the California Board of Registered Nursing at <https://www.rn.ca.gov> for more information.

A small fee to Complio is required yearly. Complio is a student compliance document tracking system that works with our program and clinical sites for student placement during the 2 year program. The

program has written arrangements in place with clinical agencies that provide part of the required program.

Students currently on probation or in default of any Health Professions student loan will not be eligible to attend any of the Allied Health and Nursing programs.

California Licensed Vocational Nurses are eligible to complete a 30-unit option. Please contact the nursing office for explanation of the required course content and the advantages and limitations of the 30-unit option.

Admission: Occupational Therapy Assistant (OTA) Program

For the most updated and detailed information on the Occupational Therapy Assistant program and the application process, please visit the website at <https://www.grossmont.edu/ota> (<https://www.grossmont.edu/ota/>).

All Allied Health and Nursing students adhere to the graduation requirements outlined in the college catalog for the academic year in which they enter the program. For information about General Education requirements or to develop an educational plan, contact the Grossmont College Counseling Department at: 619-644-7208 for an appointment with a Counselor or to find out more about walk-in services.

The Occupational Therapy Assistant Program admits a limited number of students every summer semester. To be eligible to apply for the program, the following must be completed:

1. **High School graduation**, equivalency, or a higher degree.
2. **Required immunizations.** Completion of the HepB series and a test for immunity, or a positive HepB immunity test. Tdap, MMR series and Varicella series. All have specific requirements, refer to the program website for detailed information.
3. **Completion of Anatomy and Physiology.** Anatomy and the combined Anatomy and Physiology I and II to be completed with a grade of "C" or higher and must include a lab. Physiology (BIO-141 Human Physiology) does not require a separate lab course. Courses taken for the OTA major must be taken at a regionally accredited institution.
 - a. Anatomy and Physiology (BIO-140 Human Anatomy, BIO-141 Human Physiology or BIO-144 Anatomy and Physiology I and BIO-145 Anatomy and Physiology II).
 - Science recency requirement- Anatomy or Anatomy and Physiology II must be completed within 5 years of the application date.
 - If taking the science prerequisites as a series (offered as part I and part II), applicants are strongly encouraged to complete the entire series at the college in which they started part I. This enables the student to maintain continuity with course content.

Prospective students may submit a completed application packet throughout the year once prerequisites and required immunizations are complete. Requested documentation for all criteria being requested and official transcripts of all science prerequisites and any general education courses completed for the major must be submitted with the application. If courses were taken at Grossmont or Cuyamaca College, transcripts do not have to be included. Do not send transcripts electronically or by postal mail, they cannot be accepted. You must also apply to Grossmont College and send 1 set of transcripts for all colleges attended to Admissions and Records when applying to the OTA Program.

Please refer to the website for updated information on submitting an application.

Applications must be submitted in person if you reside in San Diego County. For those prospective students living outside of San Diego County, application packets can be mailed.

The program application and accompanying forms can be found on the website. Additional requirements will be needed when accepting an invitation to the program, specific information will be provided to the student on acceptance. It is strongly recommended that students complete their General Education requirements prior to being accepted in the program.

Important: Students accepted to the OTA Program are required to undergo a total of 2 background checks and urine drug screening tests. Once prior to starting the program and being placed at any clinical site and again during the 2nd year of the program. Students are responsible for a minimum cost for these procedures. Failure to pass either or both of these procedures, or any prior convictions of a misdemeanor or felony may interfere with acceptance to the program, clinical placement, NBCOT testing, eligibility for state licensure or securing employment. The OTA Program cannot advise students on individual background checks or drug screens. Applicants are urged to visit the Occupational Therapy Board of California website at <https://www.bot.ca.gov/applicants/>, or call 916-263-2294 and the National Board for Certification in Occupational Therapy at 301-990-7979 for more information.

A small fee to Complio is required yearly. Complio is a student compliance document tracking system that works with our program and clinical sites for student placement during the 2 year program. The program has written arrangements in place with clinical agencies that provide part of the required program.

Students currently on probation or in default of any Health Professions student loan will not be eligible to attend any of the Allied Health and Nursing programs.

Admission: Orthopedic Technology (OT) Program

For the most updated and detailed information on the Orthopedic Technology program and the application process, please visit the website at <https://www.grossmont.edu/orthotech> (<https://www.grossmont.edu/orthotech/>).

All Allied Health and Nursing students adhere to the graduation requirements outlined in the college catalog for the academic year in which they enter the program. For information about General Education requirements or to develop an educational plan, contact the Grossmont College Counseling Department at: 619-644-7208 for an appointment with a Counselor or to find out more about walk-in services.

The Orthopedic Technology Program admits a limited number of students every fall semester. To be eligible to apply for the program, the following must be completed:

1. **High School graduation**, equivalency, or a higher degree.
2. **Required immunizations.** Completion of the HepB series or a positive Hep B immunity test. Tdap, MMR series and Varicella series. All have specific requirements, refer to the program website for detailed information.
3. **Completion of Anatomy or Anatomy & Physiology I**

The course is to be completed with a grade of "C" or higher and must include a lab. Courses taken for the OT major must be taken at a regionally accredited institution.

- a. Anatomy or Anatomy & Physiology I (BIO-140 Human Anatomy or BIO-144 Anatomy and Physiology I).
 - Science recency requirement- Anatomy or Anatomy & Physiology I must be completed within 10 years of the application date.

Prospective students may submit a completed application packet throughout the year once the prerequisite and required immunizations are complete. Documentation for all criteria being requested and an official transcript of the science prerequisite must be submitted with the application. If courses were taken at Grossmont or Cuyamaca College, a transcript does not have to be included. Do not send transcripts electronically or by postal mail, they cannot be accepted.

Please refer to the website for updated information on submitting an application.

Applications must be submitted in person if you reside in San Diego County. For those prospective students living outside of San Diego County, application packets can be mailed.

The program application and accompanying forms can be found on the website. Additional requirements will be needed when accepting an invitation to the program, specific information will be provided to the student on acceptance. It is strongly recommended that students complete their General Education requirements prior to being accepted in the program.

Important: Students accepted to the Orthopedic Technology Program are required to undergo a background check and urine drug screening test prior to starting the program and being placed at any clinical site. Students are responsible for a minimum cost for these procedures. Failure to pass either or both of these procedures, or any prior convictions of a misdemeanor or felony may interfere with acceptance to the program, clinical placement, eligibility for the certification exam, or securing employment. The OT Program cannot advise students on individual background checks or drug screens. Applicants are urged to visit the National Board for Certification of Orthopaedic Technologists, Inc. (NBCOT) website at <https://www.nbcot.net/>.

A small fee to Complio is required yearly. Complio is a student compliance document tracking system that works with our program and clinical sites for student placement during the 1 year program. The program has written arrangements in place with clinical agencies that provide part of the required program.

Students currently on probation or in default of any Health Professions student loan will not be eligible to attend any of the Allied Health and Nursing programs.

Admission: Respiratory Therapy (RESP) Program

For the most updated and detailed information on the Respiratory Therapy program and the application process, please visit the website at <https://www.grossmont.edu/rtprogram> (<https://www.grossmont.edu/rtprogram/>).

All Allied Health and Nursing students adhere to the graduation requirements outlined in the college catalog for the academic year in which they enter the program. For information about General Education requirements or to develop an educational plan, contact the Grossmont

College Counseling Department at: 619-644-7208 for an appointment with a Counselor or to find out more about walk-in services.

The Respiratory Therapy Program admits a limited number of students every fall semester. To be eligible to apply for the program, the following must be completed:

1. **High School graduation**, equivalency, or a higher degree.
2. **Required immunizations.** Completion of the HepB series or a positive HepB immunity test. Tdap, MMR series and Varicella series. All have specific requirements, refer to the program website for detailed information.
3. **Completion of Anatomy, Physiology, Microbiology and Chemistry.** All courses to be completed with a grade of "C" or higher and must include a lab. Courses taken for the RT major must be taken at a regionally accredited institution.
 - a. Anatomy and Physiology (BIO-140 Human Anatomy, BIO-141 Human Physiology and BIO-141L Laboratory in Human Physiology or BIO-144 Anatomy and Physiology I and BIO-145 Anatomy and Physiology II).
 - b. Microbiology (BIO-152 Paramedical Microbiology)
 - c. Fundamentals of Chemistry (CHEM-115 Fundamentals of Chemistry or 1 year of High School Chemistry).
 - Science recency requirement- Anatomy, Physiology, Microbiology and Chemistry must be completed within 7 years of the application date.
 - If taking the science prerequisites as a series (offered as part I and part II), applicants are strongly encouraged to complete the entire series at the college in which they started part I. This enables the student to maintain continuity with course content. Prospective students may submit a completed application packet throughout the year once prerequisites and required immunizations are complete. Documentation for all criteria being requested and official transcripts of all science prerequisites must be submitted with the application. If courses were taken at Grossmont or Cuyamaca College, transcripts do not have to be included. Do not send transcripts electronically or by postal mail, they cannot be accepted.

Please refer to the website for updated information on submitting an application.

Applications must be submitted in person if you reside in San Diego County. For those prospective students living outside of San Diego County, application packets can be mailed.

The program application and accompanying forms can be found on the website. Additional requirements will be needed when accepting an invitation to the program, specific information will be provided to the student on acceptance. It is strongly recommended that students complete their General Education requirements prior to being accepted in the program.

Important: Students accepted to the RT Program are required to undergo a total of 2 background checks and urine drug screening tests. Once prior to starting the program and being placed at any clinical site and again prior to starting the 2nd year of the program. Students are responsible for a minimum cost for these procedures. Failure to pass either or both of these procedures, or any prior convictions of a misdemeanor or felony may interfere with acceptance to the program, clinical placement,

eligibility for state licensure or securing employment. The RT Program cannot advise students on individual background checks or drug screens. Applicants are urged to visit the Respiratory Care Board of California at <https://www.rcb.ca.gov/>.

A small fee to Complio is required yearly. Complio is a student compliance document tracking system that works with our program and clinical sites for student placement during the 2 year program. The program has written arrangements in place with clinical agencies that provide part of the required program.

Students currently on probation or in default of any Health Professions student loan will not be eligible to attend any of the Allied Health and Nursing programs.

Refund Schedule

Refunds will be made in the following categories only:

Tuition and Fees

1. Erroneous Determination of Non-resident Status.

If a student is erroneously determined to be a non-resident and, consequently, a tuition fee is paid, the non-resident fees will be reduced to in-state fees and a refund may be issued for the difference, provided acceptable proof of state residence is presented within the period for which the fee was paid. These refunds shall be made only upon authorization of the Dean of Admission and Records and Financial Aid and/or the Vice President of Student Services.

2. Compulsory Military Service Requiring Withdrawal. (Refer to Dropping Courses in Academic Policies (p. 44).)

3. Withdrawal from College or Reduction of Program.

The refund schedule for international student tuition, non-resident tuition, enrollment fees, health services fees, usage/breakage fees, parking fees and student benefit card fees is as follows:

- Full semester courses:
 - 100% refund through first two weeks of instruction
 - 0% refund after second week of instruction
- 8 week courses:
 - 100% refund through first week of instruction
 - 0% refund after first week of instruction
- Other short-term classes:
 - Contact the Cashier's Office or Admission and Records for dates.

Textbooks

1. Refunds - New and Used Texts

The refund period is posted in the Bookstore and always continues through the first week of classes. Students may refund textbooks with official evidence showing that he/she has dropped the class during the first 30 days of regular semester classes. Refunded books must be in original purchase condition. To obtain a refund for a text, the student must present, along with the book to be refunded, a correct cash register receipt reflecting the item purchased.

2. Buyback - New and Used Texts

Books can be sold back to the Bookstore for cash at the end of every semester during finals week only. Books **may** be worth up to 50 percent of the purchase price if they are being used the following semester. Certain books have little or no value. A change in title is determined by the instructor. A change in edition is determined by the publisher. Cash register receipts are not needed for buyback. The Bookstore cannot guarantee the buyback of any book at any time.

3. Open Educational Resources

Many instructors are now using Open Educational Resources (OER) for a course textbook. OER have been released under an open license and online versions are free to use. Optional print versions require a nominal fee for printing. Check with your instructor and the bookstore if an OER is available to purchase in print form. Classes that have no book/textbook costs are labeled as "ZTC" in the class schedule.

Transcripts

Each student who has an academic record on file at Grossmont College and who is not in arrears to the district with regard to fees, tuition, loans or other charges, may request transcripts. Two transcripts are provided without charge; additional copies and immediate or rush transcripts may be obtained for a fee. For more information regarding transcripts, please visit: <https://www.grossmont.edu/admissions/transcripts> (<https://www.grossmont.edu/admissions/transcripts/>)

Transfer Credit

Evaluation of U.S. Transcripts

Courses taken at a regionally accredited college or university and designated as appropriate for general education, associate degree, baccalaureate or graduate credit by that institution will be accepted by Grossmont College for credit. The extent to which courses taken at other colleges satisfy specific certificate and degree requirements is determined by a review of comparability to courses in the Grossmont College curriculum. Courses completed at institutions without regional accreditation are not accepted.

Evaluation of Foreign Transcripts

Transcripts (educational credentials) issued in foreign countries from non-American system institutions and those in languages other than English require special handling. Each foreign transcript must be translated into English and submitted to an approved agency.

Grossmont College accepts the evaluation of foreign transcripts from only those agencies that are current members of NACES (National Association of Credential Evaluations Services). For a current list of agencies visit: <https://www.naces.org/>.

Students will need to contact the evaluation credential company they select for their particular foreign transcript evaluation procedure and costs associated with a request. Once completed, have the detailed evaluation report mailed to the Evaluations Office, Grossmont College, 8800 Grossmont College Drive, El Cajon, CA. 92020.

Grossmont College's Procedure for the Evaluation of Foreign Transcripts

1. Students must submit to Admissions and Records a **detailed evaluation report** from NACES member agency with subject breakdowns and grades. The official evaluation credential report must be received by Grossmont College in a sealed envelope. Unofficial credential evaluation reports will not be accepted.
2. The official report will be reviewed by the Grossmont College Evaluations Office regarding the possible clearing of general education courses for graduation.
3. **English and Communication** courses on any evaluation report will be awarded elective credit only.
4. Courses will only be used to satisfy major requirements with the approval of the department on a "Modification of Major" form.

- International coursework is not considered transferable. Check with transfer institution.
- In some instances, additional documentation such as the course syllabus or detailed course description may be needed before an evaluation of foreign course work can be completed.
- Official transcripts from foreign institutions are not required by Grossmont College.
- Foreign coursework is not used to clear prerequisites. See specific department for exceptions.

Verifications of Enrollment

Each student who has an academic record on file at Grossmont College and who is not in arrears to the district with regard to fees, tuition, loans or other charges may request verification of enrollment (commonly used to verify enrollment for insurance purposes, scholarships, student worker eligibility, etc.) Verification of enrollment may be obtained at three dollars (\$3) per copy. Exception: this charge will not be assessed for student loan deferments. A rush verification of enrollment may be obtained for five dollars (\$5) per copy. For more information regarding Verification of Enrollment, please visit: <https://www.grossmont.edu/admissions/transcripts/verification.php>.

Veterans

Grossmont College is an approved institution for the training of veterans under United States and California statutes. The Veterans Office on campus will provide information regarding service-connected benefit programs.

This office is designed to serve the needs of military affiliated students who qualify for education benefits. The student will receive assistance in filing for benefits, updating information on various forms, and in corresponding with the Veterans Administration, which includes advocacy in problem cases and related matters. The Veterans Office will assist veterans or veteran-related students who are actively pursuing academic goals in all aspects of student life through educational planning and in acquiring tutorial services.

Upon filing an application for admission to the college, a veteran should immediately contact the Veterans Office on campus. The military form DD-214 (member 4, service 2 or 7) and a Certificate of Eligibility (COE) from the VA must be presented to the Veterans Office within the first semester of attendance. Students who intend to use educational benefits must request official transcripts of all previous college work, including military transcripts of service (AART, CGIT, CCAF or JST), be sent to the Admissions and Records Office. All Official Transcripts must be received and evaluated before enrollment will be certified to Veterans Affairs for educational benefits. An official transcript is one that has been sent directly to Grossmont College from the issuing institution or one that is hand carried in a sealed envelope. Students not taking advantage of the GI Bill® benefits who wish to receive credit should also submit official transcripts.

"GI Bill®" is a registered trademark of the U.S. Department of Veterans Affairs (VA).

All prior course work will be evaluated to provide a complete academic history for students pursuing an associate's degree, transfer to a 4-year institution, or a certificate of achievement. Students will not be paid to take courses that are equivalent to successfully completed coursework from another institution or for courses that fulfill a general education,

major or elective area for graduation or transfer that has already been fulfilled.

A veteran may not repeat a course and receive veterans' benefits where a "D" or "F" grade was received unless a grade of "C" is required for the degree or to clear a prerequisite.

A veteran receiving benefits is required by the Veterans Administration to maintain regular class attendance and satisfactory progress. Students should refer to sections of this catalog on General Education and Associate Degree Requirements. For transfer curriculum requirements, consult with a counselor.

If any veteran or dependent receiving VA educational benefits has been on academic or lack of progress probation for two consecutive semesters, Grossmont College will not certify the student's enrollment to the VA for payment of benefits until the cumulative GPA in the district has improved to a 2.00.

Title 38 Beneficiaries (VA Education Benefits) Hold Preventing Drop for Non-Payment

Grossmont College will not impose any penalty, including the assessment of late fees, the denial of access to classes, libraries, or other institutional facilities, or the requirement that a covered individual borrow additional funds, on any covered individual because of the individual's inability to meet his or her financial obligations to the institution due to the delayed disbursement of a payment to be provided by the Secretary under chapter 31 or 33 of this title.

A "covered individual" is any individual who is entitled to educational assistance under Chapter 31 or Chapter 33 of this title.

A covered individual must complete the following to not have any of the above penalties imposed:

- Submit a certificate of eligibility for entitlement to Veterans Services office no later than the first semester of attendance.
- Submit a completed VA Intent form.
- Provide all additional information needed for the Veterans office to certify covered individual's enrollment certification to Department of Veterans Affairs.

A change in program must be filed promptly in the Veterans Office. The load requirement for those receiving benefits is:

Fall/Spring Semester

Time	Units
Full-time	12
Three-fourths time	9-11.5
One-half time	6-8.5
1st 8 week	6 ¹
2nd 8 week	6 ¹

¹ Student considered full-time for VA purposes only.

Summer Session

Calculated on an individual class basis. Contact the Veterans Office on campus for detailed information.

Veterans should be aware that short-term classes and other flexible schedules may create change of training time affecting benefits. Check with the Veterans Office before registering for a course that does not begin on the first date of the semester and end on the last date of the

semester. Please note that not all work experience courses qualify for veteran benefits. Contact the Veterans Office for additional information.

Options for Military Service Personnel to Fulfill the “Fitness/Wellness Requirement” for Graduation with an Associate’s Degree

Military service personnel may meet the requirement in one of the following ways:

1. Take any **two** Exercise Science or Dance courses designated as meeting the GE requirement (this is the current requirement for all students)
or
2. Provide a DD 214 (member 4, service 2 or 7) document or NOBE (Notice of Basic Eligibility for Reservists) showing Honorable Discharge or military transcripts to the Grossmont College Admissions and Records Office.

and

Take **one** fitness course chosen from the following:

Code	Title	Units
ES-001	Adapted Physical Exercise	1
ES-002	Advanced Adapted Physical Exercise	1
ES-003	Adaptive Aerobic Fitness	1
ES-004A	Beginning Fitness for the Newcomer	1
ES-004B	Intermediate Fitness for the Newcomer	1
ES-004C	Advanced Fitness for the Newcomer	1
ES-005A	Beginning Cardio Fitness and Resistance Training	1.5
ES-005B	Intermediate Cardio Fitness and Resistance Training	1.5
ES-005C	Advanced Cardio Fitness and Resistance Training	1.5
ES-006A	Beginning Fitness Circuit	1
ES-006B	Intermediate Fitness Circuit	1
ES-006C	Advanced Fitness Circuit	1
ES-007A	Beginning Aerobic Walking for Fitness and Wellness	1.5
ES-007B	Intermediate Aerobic Walking for Fitness and Wellness	1.5
ES-007C	Advanced Aerobic Walking for Fitness and Wellness	1.5
ES-008A	Beginning Indoor Cycling	1
ES-008B	Intermediate Indoor Cycling	1
ES-008C	Advanced Indoor Cycling	1
ES-009A	Beginning Aerobic Dance Exercise	1
ES-009B	Intermediate Aerobic Dance Exercise	1
ES-009C	Advanced Aerobic Dance Exercise	1
ES-016A	Beginning Trail Running	1
ES-016B	Intermediate Trail Running	1
ES-016C	Advanced Trail Running	1
ES-017A	Beginning Trail Hiking	1
ES-017B	Intermediate Trail Hiking	1
ES-017C	Advanced Trail Hiking	1
ES-021A	Beginning Fitness for Chronic Disease And Injury Prevention	1.5

ES-021B	Intermediate Fitness for Chronic Disease And Injury Prevention	1.5
ES-021C	Advanced Fitness for Chronic Disease and Injury Prevention	1.5
ES-022	Total Body Conditioning	1
ES-023A	Beginning Resistance Training	1
ES-023B	Intermediate Resistance Training	1
ES-023C	Advanced Resistance Training	1
ES-024A	Beginning Fitness Boot Camp	1
ES-024B	Intermediate Fitness Boot Camp	1
ES-024C	Advanced Fitness Boot Camp	1
ES-026	Stress Reduction Through Movement and Mindfulness	1
ES-027A	Beginning T'ai Chi Ch'uan	1
ES-027B	Intermediate T'ai Chi Ch'uan	1
ES-027C	Advanced T'ai Chi Ch'uan	1
ES-028A	Beginning Yoga	1.5
ES-028B	Intermediate Yoga	1.5
ES-028C	Advanced Yoga	1.5
ES-029	Adapted Yoga	1
ES-037A	Beginning Springboard Diving	1
ES-037B	Intermediate Springboard Diving	1
ES-037C	Advanced Springboard Diving	1
ES-039	Swimming for Nonswimmers	1
ES-040A	Beginning Aquatic Fitness	1
ES-040B	Intermediate Aquatic Fitness	1
ES-040C	Advanced Aquatic Fitness	1
ES-041	Adapted Water Aerobics	1.5
ES-043A	Beginning Swimming	1
ES-043B	Intermediate Swimming	1
ES-043C	Advanced Swimming	1
ES-044A	Beginning Lap Swimming for Health and Fitness	1
ES-044B	Intermediate Lap Swimming for Health and Fitness	1
ES-044C	Advanced Lap Swimming for Health and Fitness	1
ES-060A	Beginning Badminton	1
ES-060B	Intermediate Badminton	1
ES-060C	Advanced Badminton	1
ES-061A	Beginning Pickleball	1
ES-061B	Intermediate Pickleball	1
ES-061C	Advanced Pickleball	1
ES-076A	Beginning Tennis	1
ES-076B	Intermediate Tennis	1
ES-076C	Advanced Tennis	1
ES-130A	Beginning Gymnastics	1
ES-130B	Intermediate Gymnastics	1.5
ES-130C	Advanced Gymnastics	1.5
ES-155A	Beginning Basketball	1
ES-155B	Intermediate Basketball	1
ES-155C	Advanced Basketball	1
ES-170A	Beginning Soccer	1

ES-170B	Intermediate Soccer	1
ES-170C	Advanced Soccer	1
ES-171A	Beginning Softball	1
ES-171B	Intermediate Softball	1
ES-171C	Advanced Softball	1
ES-172A	Beginning Baseball	1
ES-172B	Intermediate Baseball	1
ES-172C	Advanced Baseball	1
ES-175A	Beginning Volleyball	1
ES-175B	Intermediate Volleyball	1
ES-175C	Advanced Volleyball	1
ES-176A	Beginning Beach Volleyball	1
ES-176B	Intermediate Beach Volleyball	1
ES-176C	Advanced Beach Volleyball	1
ES-180	Self-Defense for Women	1
ES-185A	Beginning Fencing	1.5
ES-185B	Intermediate Fencing	1.5
ES-185C	Advanced Fencing	1.5

or

3. Provide a DD 214 (member 4, service 2 or 7) document or NOBE (Notice of Basic Eligibility for Reservists) showing Honorable Discharge or military transcripts to the Grossmont College Admissions and Records Office.

and

Take HED-120 Personal Health and Lifestyles.

or

4. Provide written proof to the Department Chair of Exercise Science and Wellness of having completed a formal "health promotions" type program while in the military, such as "Semper Fit" or other formalized programs that teach about health principles and monitor exercise participation. (Basic training does not meet these criteria.)

Please note: This option is for military service personnel only and does not apply to their dependents or to the general student population.

The children and spouses of U.S. veterans with service-connected disabilities, or veterans children and spouses of U.S. veterans who have died in service or from service-connected disabilities may be eligible for waiver of College fees. The student must submit the VA letter of eligibility to the Financial Aid Office.

Absence Due to Military Service

California Education Code 99130

Subject to applicable federal, state, and institutional refund and withdrawal policies, when a student is called to active military duty during an academic term, the student may choose one of the following options:

1. The student may withdraw from the institution, retroactively to the beginning of the academic term, with a full refund of tuition and fees.
2. If at least 75% of the academic term has been completed, the student may request that the faculty member assign a grade for the course based on the work the student has completed. The faculty member shall make the final decision as to whether to grant the student request.

3. If the faculty member assigns a grade of Incomplete for the student's course work, the student shall have a minimum of 4 weeks after returning to the institution to complete the course requirement.

Readmission Procedures

1. Any student whose absence from the institution is necessitated by reason of service in the uniformed services shall be entitled to readmission to the institution if:
 - a. The cumulative length of absence does not exceed 5 years.
 - b. No more than 3 years after the completion of the period of service has passed.
 - c. No more than 2 years have passed since the end of the period that is necessary for recovery from illness or injury resulting from service.
2. At the end of Active-duty Service, upon request, the student shall be readmitted with the same academic level and academic program, if possible.

The Veterans Resource Center

The Veterans Resource Center (VRC), located in building #21, provides a central entry point for veterans and their families as they transition from the military into the Grossmont College community. Staffed by veterans, the overall goal is to deliver tangible tools and services to optimize students' academic success. Separate from the campus Veterans Affairs Office, the VRC fosters a collaborative delivery of student services between such offices as Accessibility Resource Center (A.R.C.), Counseling, the Assistive Technology Center, as well as other on- and off-campus agencies who provide services to veterans and their families. The VRC provides services in three primary areas: academics, camaraderie, and wellness. Specific services include the following:

- Access to computers and assistance in the use of assistive technologies, including specialized software for nontraditional learners
- Peer support, mentoring, counseling services
- Financial aid information and application assistance
- Referral to on- and off-campus resources (e.g., A.R.C., campus Veterans Affairs Office, community veterans agencies)

The children and spouses of U.S. veterans with service-connected disabilities, or veterans children and spouses of U.S. veterans who have died in service or from service-connected disabilities may be eligible for waiver of College fees. The student must submit the VA letter of eligibility to the Financial Aid Office.

For more information, contact the Veteran's Affairs Office at 619-644-7165.

Restorative Justice

Grossmont College supports currently and formerly incarcerated students through admissions assistance, registration, financial aid, academic counseling, and other services. To obtain guidance needed to achieve academic and career goals, formerly incarcerated students may contact Yohany Corona-Batalona at 644-7454 X3489 or Yohany.CoronaBatalon@gcccd.edu to schedule an appointment.

International Student Program

International students are encouraged to learn more detailed up-to-date information on the Grossmont College website at <https://>

www.grossmont.edu/internationalstudents (<https://www.grossmont.edu/internationalstudents/>).

Admission

1. Applications for admission must be received by the following deadlines:
Fall semester – June 1 - for applicants from home country.
June 15 – for F1 Visa students transferring from United States school.
Spring semester – October 15 - for applicants from home country.
November 1 - for F1 Visa students transferring from United States school.
All application documents must be received by these deadlines. Visit <https://www.grossmont.edu/future-international-students> (<https://www.grossmont.edu/future-international-students/>) for a list of admission requirements.
2. Proof of English proficiency must be submitted in order to be considered for admission. The minimum score is 45 internet based TOEFL, or 4.5 IELTS, or 75 in Duolingo, PTE 39, and Eiken 2A. An institutional English assessment test is also available for students who are already in the U.S. Please visit <https://www.grossmont.edu/student-support/international-student/students/future/requirements.php> for other options. The test score must be completed by the application deadline. (See information on American Collegiate English in the General Information section of this catalog and visit <https://www.grossmont.edu/ace> (<https://www.grossmont.edu/student-support/international-student/ace/>).

Full-Time Status

An international student must maintain a minimum of 12 degree applicable units with a 2.0 grade point average each semester while at Grossmont College.

Financial Resources

1. Each international student must submit a complete financial statement. The financial statement must indicate the ability of the student to finance the year's education and living expenses to the satisfaction of the office of Admissions and Records.
2. An international student attending Grossmont College must pay tuition and other fees as required by the Governing Board.
3. Federal and State financial aid is not available for international students, but you are encouraged to apply for scholarships.
4. An international student may not work off campus while attending college unless approval is granted by the Department of Homeland Security and the International Student Specialist in Admissions and Records.

Health

Grossmont College strongly recommends that international students obtain a health and accident insurance policy. The Health and Wellness Center has information on where to acquire such a policy.

Housing

No housing facilities are available on the college campus. A limited listing of available rentals can be obtained in the International Counseling Office and website at <https://www.grossmont.edu/international> (<https://www.grossmont.edu/international/>) or the International Student Handbook. The college assumes no responsibility for providing or supervising such housing facilities.

Grading Standards

International students are subject to all Grossmont College grading, probation, and disqualification standards.

Notification of Admission

Students will be notified of their acceptance to Grossmont College. Students are expected to be available for preregistration orientation and educational counseling prior to the start of each semester.

Student Body Diversity

For information regarding the diversity of the college's student body, please refer to College Planning & Institutional Effectiveness: <https://www.grossmont.edu/faculty-staff/cpie/>.

Services for Students

Ability to Benefit

Students enrolling for the first time after July 1, 2012 must have a High School Diploma, GED or state recognized equivalent to be eligible for federal financial aid. New students will no longer have the option to pass an Ability to Benefit (ATB) test or to successfully complete 6 degree applicable units to gain eligibility for federal financial aid. A student who does not possess a high school diploma or a recognized equivalent, but who was enrolled in an eligible program any time prior to July 1, 2012, may be eligible to receive federal student aid under the prior ATB provision. Please contact the Financial Aid Office if you think you were enrolled in an approved post-secondary educational program prior to July 1, 2012 and need to satisfy an ATB requirement. Please be advised that Grossmont and Cuyamaca Colleges **will not** accept ATB examination scores from other colleges. Information on obtaining a GED can be found at the Grossmont Adult School website at <https://adultschool.guhds.net>.

Adult Re-Entry

Under the auspices of Student Services, the Adult Reentry Program provides a variety of resources and support for the returning adult student who is seeking information about educational goals and career options. The program has a proven track record of quality performance and continues to serve as a bridge between the college and community by providing referral services and information, regarding job placement, personal and academic counseling, Health Services, Veteran Affairs, self-help programs, Financial Aid and transportation.

With the constantly changing climate of the workplace, it is beneficial to remain well educated, as a lifelong learner and savvy with top notch skills for personal success. Education is your key to a better life and a more secure future!

Accessibility Resource Center (A.R.C.)

Grossmont College is committed to providing programs that respond to the unique needs of the nontraditional student.

Support Services

Specialized Services

- Academic counseling
- Textbooks in alternative format
- Disability related counseling
- Learning disabilities assessment
- Note taking assistance
- Priority registration
- Referrals to community agencies
- Sign language interpreters / Real-Time Captioning
- Test proctoring / accommodations
- Other services available based on individual needs

Assistive Technology

- Assistive hardware and software
- Text-to-speech software
- Screen reader and screen magnification software
- Voice recognition software
- Note-taking / real-time transcription software
- Alternative input devices
- Talking calculator
- Videophone access in Tech Mall

- Assistive listening devices (ALDs)
- Other technology available based on individual needs

Special Classes

The following classes are designed for students with disabilities:

Code	Title	Units
Personal Development - Special Services		
PDSS-095	Study Strategies for Students with Disabilities	1
PDSS-097	Basic Writing for Students with Disabilities	2
PDSS-098	Writing Fundamentals for Students with Disabilities	2

Accessibility Resource Center (A.R.C.)

Building 60-120

8800 Grossmont College Drive

El Cajon, Ca 92020-1799

Phone: 619-644-7112

Fax: 619-644-7980

Video Phone: 619-567-7712 or 877-561-8975

Associated Students of Grossmont College (ASGC)

The Associated Students of Grossmont College (ASGC) offers students opportunities to share in college governance; to assist in the development of the college philosophy mission and vision statements; to interact with college and community professionals; to participate in social and cultural activities; and to create and administer their own programs and support systems that reflect diversity, instill self-reliance, ethical leadership and responsible action. For more information, or to get involved, visit ASGC in Building 60, Room 110, or online at <https://www.grossmont.edu/asgc/> or the Student Affairs Office in Building 60, Room 204, or online at <https://www.grossmont.edu/student-affairs/>.

The ASGC represents the voice of Grossmont College students at the local and state level in community college student government through the Student Senate for California Community Colleges (SSCCC).

The ASGC acting through its executive body, the Board of Directors, maintains the power to register and supervise student organizations on campus. Students are invited to join one of the many clubs on campus. For more information, visit the website at: <https://www.grossmont.edu/get-involved/clubs-and-organizations> (<https://www.grossmont.edu/get-involved/clubs-and-organizations/>).

The Dean of Student Affairs serves as the administrative advisor to the ASGC.

Funding

The ASGC program is financed from benefit card sales and fundraising events. All students are encouraged to become active participants in student government programs.

Benefit Sticker

Purchase of the ASGC Benefit Sticker each semester provides a means by which each student can become an active participant in creating opportunities for valuable experiences outside the classroom. Examples of benefits include 10% discount at cafeteria and cafe, discount movie tickets, savings on books, locker rental and discount buying at select local businesses. Funds raised from Benefit Sticker sales are used to fund student activities on campus, as well as support instructional and student services needs via the ASGC grant request process.

ASGC Benefit Stickers may be purchased via Self-Service or in person at the Student Activities Window, Building 10, Room 110. The Student Activities Window also provides discount movie tickets, bus and trolley passes and discounts for local services and events.

Student Representation Fee

The Student Representation Fee (SRF) is a voluntary \$2 fee collected to provide funds for the support of governmental affairs representatives who state their positions and viewpoints on behalf of Grossmont College students before city, county and district governments, and before offices and agencies of the state government. The first \$1 is provided to the local Associated Students to use for local advocacy, while the second \$1 is given to the recognized statewide student association to further on state advocacy and operational funding for that organization.

Associated Students serves as the official voice of students in the shared governance process at the College and maintains collaborative relationships with faculty, staff, and administrators, providing student perspectives that are considered at all levels of College and District decision-making.

The Student Senate for California Community Colleges (SSCCC) is a 501(c)(3) nonprofit charitable organization that provides students with opportunities to take an active role in higher education advocacy, policy development, and participatory governance. Title 5 §51023.7 grants students the right to participate in the development of those policies and procedures that significantly impact them and the SSCCC is the mechanism for students to participate statewide in policy development. The SSCCC is guided by the delegates from all California community colleges and is recognized as the official voice of the over 2.1 million students by the Board of Governors, legislature, governor, and other education stakeholders. The new funding source will provide the SSCCC with resources to provide greater sustainability, institutional memory, and transparency, as well as funds for student leadership and advocacy training. Recent initiatives have included lobbying for a tuition-free community college, addressing food and housing insecurity, and providing greater educational access to low-income students.

The Student Representation fee waiver shall be applied online at the time of registration.

Athletics: Intercollegiate

For all intercollegiate sports with the exception of football, the Grossmont College Griffins compete in the Pacific Coast Athletic Conference which consists of the following colleges:

- Cuyamaca
- Imperial Valley
- Mira Costa
- Miramar
- Palomar
- San Diego City
- San Diego Mesa and
- Southwestern.

Grossmont College Griffins football team competes in the American Division of the California Community College Athletic Association (CCCAA).

The program of intercollegiate athletics for men includes baseball, basketball, football, swimming/diving, tennis, volleyball and water polo. The women's program of intercollegiate competition includes badminton,

basketball, soccer, softball, swimming/diving, tennis, volleyball, beach volleyball and water polo.

Grossmont College has enjoyed considerable success in men's and women's competition. Men's teams have won conference championships in baseball, basketball, football, tennis, men's volleyball and water polo, as well as state championships in baseball, football and tennis. Grossmont women have won championships in the sports of basketball, soccer, softball, swimming, tennis and volleyball, as well as state championships in tennis and beach volleyball.

Students are eligible to compete only if continuously and actively enrolled in twelve or more units. Student athletes additionally must complete 24 units from season to season and compile a cumulative GPA of 2.0 from their first season of competition. Eligibility must be carefully verified based upon any previous participation and academic success. Authority in all eligibility cases is verified by the eligibility specialist not the coach of the sport.

Bookstore

Mission Statement

The Grossmont College Bookstore will make available to students the tools needed to succeed in college and support the institutional goals of the College.

1. Rent and Save over 50%.

Rent your books for a term and return them after finals. It's that simple. Buy online and we'll even send you a reminder when it's time to return.

2. Download eBooks and Save up to 60%.

Same new textbook in a digital format. Eco-friendly and convenient. Download eTextbooks right from your campus bookstore's website, <https://www.grossmont.bncollege.com>.

3. Buy New and Get up to 50% Cash Back.

New textbooks are yours to keep, and so is the cash back at the end of term if you sell them back to us during **finals week**. **Reduce, reuse, and save.**

4. Buy Used and Save over 25%.

Buy used textbooks, save money and the environment. Then save more at the end of term if you sell them and get cash back.

Textbook Refunds: The refund period is posted in the Bookstore and always continues through the first week of classes. Students may refund textbooks with official evidence showing that he/she has dropped the class during the first 30 days of regular semester classes. Refunded books must be in original purchase condition. To obtain a refund for a text, the student must present, along with the book to be refunded, a correct cash register receipt reflecting the item purchased.

CalWORKs

Grossmont College CalWORKs (California Work Opportunities and Responsibility to Kids) program, is state funded program that serves students who participate in training and education as part of their Welfare-to-Work plan. CalWORKs provides intensive counseling and support services such as childcare assistance, liaison with ECM's, and work experience/work study opportunities for students. Students are assisted with tracking participation hours, completing monthly reports, and understanding CalWORKs requirements. Additional information and application to CalWORKs may be obtained in in Bldg. 38E, telephone (619) 644-7552, or visit our web site at <https://www.grossmont.edu/calworks> (<https://www.grossmont.edu/calworks/>).

Career Center

The Grossmont College Career Center provides an on-campus site for students to explore and pursue their career goals. Assistance includes career assessment, featuring interactive computer software programs: **Career Coach and Myers-Briggs Type Indicator (MBTI), Strong and Career Cruising** and web sites. The Career/Job Search Library contains an extensive range of the most current occupational and educational resources.

Career Center services include assistance with resume writing, interview techniques, application preparation and employer contact. An annual job fair, Career EXPO, is held each fall. Career development and job search seminars are sponsored throughout the academic year.

All Career Center resources and services are available to students and community members.

Clubs and Organizations

Student clubs and organizations enrich life at Grossmont College by providing numerous leadership opportunities for students, as well as a place to enhance social and professional connections. Getting involved at Grossmont College is easy: Simply join one of the existing campus organizations or students may create their own.

Grossmont College has approximately 40 active student clubs/organizations on campus. Combined, these clubs offer activities encompassing a wide variety of topics – from religion to politics, from community service to gaming, from academic programs to advocacy.

Information concerning organizational procedures may be obtained in the ASGC Office Building 60, Room 110 or the Office of Student Affairs in Building 60, Room 204, or online at <https://www.grossmont.edu/get-involved/clubs-and-organizations> (<https://www.grossmont.edu/get-involved/clubs-and-organizations/>).

Getting involved as a student can be one of the biggest highlights of the college experience. Students will meet many new people, explore old and new interests, gain valuable life skills, and most importantly, create the campus culture. The knowledge and skill that students will develop through co-curricular involvement will have a profound impact on a student's collegiate experience and future career and include:

- Developing marketable leadership and organizational skills.
- Using energy and recreational time constructively.
- Developing and clarifying personal values.
- Enhancing creative thought and expression.
- Developing critical thinking skills.
- Learning the importance of cooperation, teamwork, work ethic, and being an active member of a group.
- Developing interpersonal and time management skills.
- Experiencing cultural sharing and exchange.
- Developing self-initiative, discipline, independence, and responsibility.
- Gaining practical experience that can be used to enhance a resume.
- Making lasting relationships with students, faculty and staff.

Get involved at Grossmont College – There's a place for everyone!

Inter-Club Council

The Inter-Club Council, or ICC for short, is an organization of registered student clubs. ICC is composed of a representative, elected or appointed,

from each of the actively registered student clubs and organizations on campus.

ICC monitors the activities of all student organizations and provides an atmosphere where leaders can communicate to gain new and helpful information and shape the campus culture. This organization helps student organization leaders keep in touch with current events, spread the news of their upcoming events and fundraisers, find out important information, make written resolutions to the ASGC on club or event funding issues, and locate information they need to be effective advocates for their members on campus and in the community.

Student organizations must fulfill certain responsibilities to remain in good standing. Student organizations shall:

- Be controlled and directed by actively enrolled Grossmont College students.
- Comply with all applicable Federal, State, and Local laws, as well as District and College policies.
- Abide by Federal, State, Local, District and College non-discrimination laws and policies.
- Comply with the requirements set forth by Federal, State, Local, District and College policies regarding financial transactions made on behalf of the organization.
- Be a not-for-profit group.
- Maintain an up-to-date copy of the student organization constitution on file in the Student Affairs Office.
- Maintain an up-to-date copy of the club registration forms and pertinent club information with the Student Affairs Office.
- Be advised by at least one official Grossmont College faculty member.
- Provide a club representative to serve on the Inter-Club Council.

Student organizations that do not fulfill these responsibilities may have their accounts frozen, lose their vote in ICC, and could be in danger of having the organization's charter revoked.

Complete information concerning organizational procedures may be obtained in the ASGC Office Building 60, Room 110 or the Office of Student Affairs in Building 60, Room 204, or online at <https://www.grossmont.edu/get-involved/clubs-and-organizations> (<https://www.grossmont.edu/get-involved/clubs-and-organizations/>).

Counseling

The Counseling Department is staffed with highly trained and experienced counselors available to assist students with a variety of issues related to student success. Counseling offers transfer and academic counseling, vocational and career counseling, and personal and crisis intervention counseling services. A series of counseling classes are offered to assist students with the exploration of individual needs and interests including career decision making, college and career success, and study skills and time management. Students will find these courses listed under the "Counseling" heading in the schedule of classes. Counselors are also able to provide assistance and help students with professional guidance in the following areas:

- Assisting students in developing a semester by semester Comprehensive Educational Plan to help them achieve their educational goals;
- Providing New Student Advising sessions to familiarize students with college services and terminology for a successful semester. Students

receive an abbreviated educational plan to assist them in planning their class schedule;

- Supporting international students by offering an international student orientation and advising sessions;
- Providing online counseling services; and
- Assisting with identification of transfer options and course requirements for four-year universities.

Dream Center

Dream Center Mission:

To create a safe space within Grossmont College that offers a support system for undocumented students. Dream Center promotes awareness of the issues and challenges that affect undocumented students in our college and community in order to ensure respect and appreciation of diversity, while promoting equal access to education.

Dream Center Support Services

- Career / Academic / Personal Counseling
- Education Planning
- Dream Act Application Assistance
- Financial Aid Assistance (i.e. Book Vouchers, gas cards, bus passes, meal cards)
- Community Resources Liaison and Referrals
- Referrals to other Student Services programs

Dream Center Counselor: Clemente Ayala

The Dream Center is located in Bldg. 10 Room 165D, phone number: 619-644-7208.

Extended Opportunity Programs and Services (EOPS)

The **Extended Opportunity Program and Services (EOPS)** is a state funded program which provides educationally and financially disadvantaged students equal access to academic success while attending Grossmont College. This special program offers support services that assist qualified students in overcoming obstacles to achieve a certificate, Associate of Arts or Science (AA/AS) degree, and/or meeting four-year university transfer requirements. These services may include academic/career/personal counseling, assistance with textbooks, and financial grants.

As a supplement program of EOPS, **CARE (Cooperative Agencies Resources for Education)** provides additional services for EOPS eligible students who are single head of household receiving cash aid for themselves or their child(ren) and have one child under 14 years of age at the time of acceptance into CARE. Additional services may include assistance with financial grants and a meal program while attending college.

For more information or an application to EOPS and CARE, visit the EOPS/CARE office or telephone (619) 644-7617. Please visit the web site at <https://www.grossmont.edu/eops> (<https://www.grossmont.edu/eops/>).

Financial Aid

Financial Aid exists to help students who might otherwise be unable to complete their education because of financial problems.

Students may apply for financial aid in the form of grants, scholarships, loans and work.

Financial aid funds are administered in accordance with a nationally established policy of financial assistance for education. The basis of this policy is the belief that students and their parents have the primary responsibility for meeting educational costs. The amount of the contribution expected from students and their parents is determined by careful analysis of family financial strength, taking into consideration net income, number of dependents, allowable expenses, indebtedness and assets. The Congress has established procedures which are used in making an evaluation of how much families can be expected to contribute.

Applications for financial aid are available in the Financial Aid Office in October of each year for the following academic year. Students who wish to receive financial aid for the following fall and spring should have their papers complete and their FAFSA filed by May 1. Awards are made as long as funds are available.

All policies and procedures regarding Grossmont College Financial Aid can be found at <https://www.grossmont.edu/financial-aid/>.

Code of Conduct for Financial Aid Professionals

The 2008 Higher Education Opportunity Act (HEOA) conditions the eligibility of educational institutions to participate in Title IV programs on the development, advertisement, administration and enforcement of a Code of Conduct prohibiting conflicts of interest for the institutions officers, employees and agents [HEOA § 487(a)(25)]. To comply with this requirement, Grossmont College has developed the following Code of Conduct:

1. An officer or employee of the Grossmont College Financial Aid Office shall take no action which may result in their personal benefit and shall refrain from taking any action which they believe is contrary to law, regulation, or the best interests of the students and parents they serve.
2. An officer or employee of the Grossmont College Financial Aid Office shall make every effort to ensure that the information and advice they provide is accurate, unbiased, and does not reflect any preference arising from actual or potential personal gain.
3. Neither Grossmont College as an institution, nor any individual officer, employee or agent shall enter into any revenue-sharing arrangements with any lender. The HEOA defines a "revenue-sharing arrangement" as any arrangement between an institution and a lender under which the lender makes Title IV loans to students attending the institution (or to the families of those students), the institution recommends the lender or the loan products of the lender and, in exchange, the lender pays a fee or provides other material benefits, including revenue or profit-sharing, to the institution or to its officers, employees, or agents.
4. No officer or employee of Grossmont College who is employed in the financial aid office or who otherwise has responsibilities with respect to education loans, or agent who has responsibilities with respect to education loans, shall solicit or accept any gift from a lender, guarantor, or servicer of education loans. For purposes of this prohibition, the term "gift" means any gratuity, favor, discount, entertainment, hospitality, loan, or other item having a monetary value of more than a de minimus amount. A gift does not include
 - a. a brochure, workshop, or training using standard materials relating to a loan, default aversion, or financial literacy;

- b. food, training, or informational material provided as part of a training session designed to improve the service of a lender, guarantor, or servicer if the training contributes to the professional development of the institution's officer, employee or agent;
 - c. favorable terms and benefits on an education loan provided to a student employed by the institution if those terms and benefits are comparable to those provided to all students at the institution;
 - d. entrance and exit counseling as long as the institution's staff are in control of the counseling and the counseling does not promote the services of a specific lender;
 - e. philanthropic contributions from a lender, guarantor, or servicer that are unrelated to education loans or any contribution that is not made in exchange for advantage related to education loans, and;
 - f. State education grants, scholarships, or financial aid funds administered by or on behalf of a State.
5. An officer or employee of Grossmont College who is employed in the financial aid office or who otherwise has responsibilities with respect to education loans, or an agent who has responsibilities with respect to education loans, shall not accept from any lender or affiliate of any lender any fee, payment, or other financial benefit (including the opportunity to purchase stock) as compensation for any type of consulting arrangement or other contract to provide services to a lender or on behalf of a lender relating to education loans.
 6. Grossmont College shall not:
 - a. for any first-time borrower, assign, through award packaging or other methods, the borrower's loan to a particular lender; or
 - b. refuse to certify, or delay certification of, any loan based solely on the borrower's selection of a particular lender or guaranty agency.
 7. Grossmont College shall not request or accept from any lender any offer of funds to be used for private education loans, including funds for an opportunity pool loan (an "opportunity pool loan" is defined as a private educational loan made by a lender to a student, or the student's family, that involves a payment by the institution to the lender for extending credit to the student), to students in exchange for the institution providing concessions or promises regarding providing the lender with:
 - a. a specified number of loans made, insured, or guaranteed under Title IV;
 - b. a specified loan volume of such loans; or a preferred lender arrangement for such loans.
 8. Grossmont College shall not request or accept from any lender, any assistance with call center staffing or financial aid office staffing, except that a lender may provide professional development training, educational counseling materials (as long as the materials identify the lender that assisted in preparing the materials), or staffing services on a short-term, nonrecurring basis during emergencies or disasters;
 9. Any employee who is employed in the financial aid office, or who otherwise has responsibilities with respect to education loans or other student financial aid, and who serves on an advisory board, commission, or group established by a lender, guarantor, or group of lenders or guarantors, shall be prohibited from receiving anything of value from the lender, guarantor, or group of lenders or guarantors, except that the employee may be reimbursed for reasonable expenses incurred in serving on such advisory board, commission, or group.

Your Rights and Responsibilities

Education after high school requires time, money and effort. It is a big investment. As a student and consumer you should carefully evaluate all education or training options. To help make a good choice, you should have information about a school's academic program, facilities, graduation rates, full cost of attendance, refund policy, financial aid programs, and other information you think will help in making a decision. Get good answers before making a commitment.

As a financial aid recipient, it is your right to ask:

- What it costs to attend and what the policy on refunds is for students who drop out.
- How the school determines whether students are making satisfactory academic progress and what happens if they are not.
- What financial help is available, including information on all federal, state, and school financial aid programs.
- About the deadlines for submitting applications for each of the financial aid programs available and what criteria is used to select financial aid recipients.
- How individual financial need is determined. This process includes how costs for tuition and fees, room and board, transportation, books and supplies, personal and miscellaneous expenses, etc., are considered in your budget.
- What resources (such as parental contribution, other financial aid, personal assets, etc.) are considered in the need calculation, and how much of your financial need, as determined by the school, is met.
- To explain the various programs in your student aid package. If you believe you have been treated unfairly, you may request reconsideration of the award.
- How much of your financial aid must be repaid, and what portion is grant aid. You have the right to know what the student loan interest rate is, the total amount that must be repaid, payback procedures, when repayment is to begin and how long you have to repay.
- How to apply for additional aid if your financial circumstances change.

As a financial aid recipient, it is your responsibility to:

- Review and consider all information about a school's program before enrolling.
- Complete the financial aid application accurately and submit it on time to the appropriate processor. Errors delay the processing of your financial aid application. Intentional misrepresentation on an application for federal financial aid is a violation of law and a criminal offense subject to penalties.
- Respond promptly and return all requested additional documentation, verification, corrections, and/or new information to the appropriate agency.
- Read, understand and keep copies of all forms and agreements that you sign.
- If you have a loan, notify the school and lender of changes in your name, permanent mailing address, marital, or enrollment status.
- Perform in a satisfactory manner the work that is agreed upon in accepting a work-study award.
- Know and comply with the deadlines for application or reapplication for aid, and with the school's refund procedures.
- Maintain satisfactory academic progress according to the school's policies and standards.

- Report the receipt of any scholarships or outside resources to the financial aid office.

Withdrawals and the Repayment of Financial Aid Funds

Students receiving federal financial aid, who **withdraw from all of their classes during the first 60% of a term**, will be required to repay a portion of the federal grants that they have received. That is because a student must “earn” their financial aid. Financial aid is “earned” for each day you are enrolled in the semester.

For example, if you enroll in a fall semester on August 23 and withdraw from all of your classes on October 20, you may have “earned” 59 days worth of financial aid eligibility. The amount you have to repay will depend on the number of days you were enrolled compared to the number of days in the semester. Because there are 120 days in the fall semester, you would have only earned 49.2% of the aid you received (59 days/120 days in the term = 49.2%). If you had received a \$2000 Pell Grant award for the semester, you would have only earned \$984 of the Pell Grant (\$2000 x 49.2% = \$984). Because you had received \$1016 more financial aid than you “earned” (\$2000 - \$984 = \$1016), you may be required to repay half of the amount you did not earn. The amount you would be required to pay back in this case would be no more than \$508.

Students who stay in classes until 60% of the term is completed won't owe anything back to the federal government. For fall 2023, that means you must be enrolled and attending classes until **October 27, 2023** to be eligible for all the financial aid you received. If you drop **all** of your classes before **October 27, 2023**, you may be billed for a portion of the Pell Grant and/or SEOG grant that you received in the fall. For spring 2024, that means you must be enrolled and attending classes until **April 11, 2024** to be eligible for all the financial aid you received. If you drop **all** of your classes before **April 11, 2024**, you may be billed for a portion of the Pell Grant, Direct Loan, and/or SEOG grant that you received in the spring.

Please note: If you fail all of your classes in a term, you will have only earned 50% of the Pell, Direct Loan, and/or SEOG that you received and you will be billed for the amount you did not earn.

If you are required to repay funds to the federal government, you will be billed and you will have 45 days to repay the funds in full or to set up a repayment schedule. You will be ineligible for any further financial aid at any college in the United States if you fail to repay the funds in full or set up a repayment schedule and make repayments according to the repayment schedule.

Standard Student Budgets 2023–2024

The following budgets are comparable to those used by colleges and universities in the San Diego area. Because of limited funding, moderate budgets are used to allow as many students to attend college as possible. In establishing these budgets, the student's obligation to make mature consumer choices is taken into consideration.

Housing Status	Living with parent(s)	Living away from parent(s)
Books & Supplies	\$1,200	\$1,200
Fees	1,332	1,332
Food & Housing	10,000	19,100
Personal Expenses	3,500	4,300
Transportation	1,500	1,500
	\$17,532	\$27,432

Pell Grants

In 1972, The Congress of the United States passed landmark legislation to provide grants to all students who need financial help to pursue education after high school graduation.

California College Promise Grant

This is a state program that waives the enrollment fee and the health fee for students who are residents of California (or are eligible under AB 540 or AB 1899) and have financial need. Students will be considered for a California College Promise Grant as part of the financial aid application process or may apply separately online via <https://www.grossmont.edu/financial-aid/grants/california-college-promise-grant.php> if they receive TANF (AFDC), SSI, GR or have a low family income.

Minimum requirements for maximum success.

Once you've qualified for the California College Promise Grant Fee Waiver, it's important to ensure that you're meeting the following academic and progress standards in order to avoid losing the fee waiver.

Academic – Sustain a GPA of 2.0 or higher

If your cumulative GPA falls below 2.0 for two consecutive primary terms (fall/spring semesters, or fall/winter/spring quarters), you may lose your fee waiver eligibility.

Progress – Complete at least 50% of your coursework

If the cumulative number of courses you successfully complete falls below 50% in two consecutive primary terms (fall/spring semesters or fall/winter/spring quarters), you may lose your fee waiver.

Combination of Academic and Progress Standards

Any combination of two consecutive terms of cumulative GPA below 2.0, and/or cumulative course completion less than 50% may result in loss of fee waiver eligibility.

How to regain eligibility.

If you lose eligibility for the California College Promise Grant Waiver, there are a few ways that you can have it reinstated:

- Improve your GPA or Course Completion measures to meet the academic and progress standards.
- Successful appeal regarding extenuating circumstances.
- Not attending your school district for two consecutive primary terms.

The appeals process for extenuating circumstances may include:

- Verified accidents, illness or other circumstances beyond your control
- Changes in economic situation
- Evidence of inability to obtain essential support services
- Special consideration factors for A.R.C., CalWORKs, EOPS, and veteran students
- Disability accommodations not received in a timely manner.

Please note that foster youth and former foster youth (age 24 years and younger) are not subject to loss of the California College Promise Grant waiver under these regulations.

Cal Grants

Cal Grants are grants administered by the California Student Aid Commission. There are two types of grants - Cal Grant B and Cal Grant C. Cal Grant B provides funds for living expenses and is targeted to low

income students. Cal Grant C provides funds for books and supplies for those students enrolled in a vocational program. To be eligible to apply for either of these grants, students must be residents of California and have filed a FAFSA and a GPA Verification form by March 2, 2023, and September 2, 2023 (Competitive Community College Award).

Scholarships

Scholarships are available to qualified students. Awards range from \$100-\$1,500 and are donated by individuals, clubs and organizations in the community. Qualifying criteria for these scholarships may include demonstration of financial need, full-time enrollment at the college or specify a particular grade point average. Scholarship applications may be obtained from the Financial Aid Office.

College Work-Study Program

The College Work-Study Program, established under the Economic Opportunity Act of 1964, provides part-time jobs for students with a demonstrated need to meet the costs of education.

Supplemental Educational Opportunity Grant Program

The purpose of this federally funded program is to provide grants to students of exceptional financial need who would be unable to attend college without such assistance.

Direct Student Loan

Long-term loans under the Direct Student Loan Program are available to students enrolled at least half-time.

Bureau of Indian Affairs Grants

Grossmont College assists the Bureau of Indian Affairs in determining the financial need of Indian students applying for financial assistance under the higher education BIA program. Although applications are processed year-round, students are encouraged to file in the spring for the next academic year since funding is limited.

Hope Scholarships and Lifetime Learning Tax Credits Educational Tax Credits for Students and Their Families

Students or their families who pay tuition and related expenses, *may* be eligible for a tax credit from the federal government. Tax credits are subtracted from the tax a student or family owes, rather than reducing taxable income like a tax deduction. A student or their family must file a federal tax return and owe taxes to the federal government to take advantage of the credit. Students must be enrolled at least half time. Students whose fees were waived are not eligible for a tax credit.

Each student who has paid tuition for the spring or fall semester will receive a **Form 1098-T Tuition Payments Statement** from the Grossmont-Cuyamaca Community College District by January 31 each year. This form needs to be submitted with your federal income tax form to claim a tax credit. For further information about the education tax benefits offered by the IRS contact a local IRS office or visit the IRS on the internet at <https://www.irs.gov/publications/p970> (<https://www.irs.gov/publications/p970/>).

Griffin Center

Named for the college mascot, the griffin, the newly renovated and refurbished student center features meeting rooms for student groups; ample seating for dining, lounging or study; easy access to campus programming, as well as a lobby with a 10-foot video screen; four food stations, and a mini-market.

The Griffin Center also houses the offices and boardroom of the Associated Students of Grossmont College, the Culinary Arts Program, Health and Wellness Center, Extended Opportunity Programs and

Services (EOPS), Student Affairs, Career Resource Center and Job Placement, Adult Re-Entry, Accessibility Resource Center (A.R.C.), and Griffin Gate a multi-purpose room in which the GCCCD Governing Board hosts bi-monthly meetings.

The Griffin Center is open Monday through Thursday from 7:30a.m. until 10:30p.m. and Friday 7:30a.m. until 5:00p.m. Special events and holidays may necessitate closure.

The building was renovated using sustainable materials and energy-conservation measures and is among the first Leadership in Energy and Environmental Design (LEED) certified projects in the Grossmont-Cuyamaca Community College District.

Health and Wellness Center

The Health and Wellness Center promotes the physical and mental health of students. The office is staffed with registered nurses, mental health counselors and support staff. The Health and Wellness Center provides services to all enrolled students who have paid the health fee or have received a financially determined waiver for the health fee. Current Grossmont College I.D. or proof of enrollment is required for services. The mandatory student health fee enables the Health and Wellness Center to provide general health care, counseling and educational programs at low or no cost to students.

Student injuries resulting from a college sponsored class or other activity and transmissible illness must be reported to the Health and Wellness office.

The mandatory health fee provides accident insurance for the protection of any student who may experience an injury while participating in a college sponsored credit or non-credit class, or other activity. The sponsored class or activity must be during a directly supervised, on-campus or school-related activity. The supervision of the sponsored class or activity must be by a member of the college staff at a college approved co-curricular activity or event.

Student insurance is secondary to any individual insurance. Information and referrals for care can be obtained in the Health and Wellness Center, Building 60 – Room 130 (Inside Griffin Center) or by calling 619-644-7192 or the Health and Wellness website: <https://www.grossmont.edu/health-wellness> (<https://www.grossmont.edu/health-wellness/>).

Note: *Students who depend exclusively upon prayer for healing according to the teaching of a bona fide religious sect, denomination or organization may petition for an exemption from the health fee by submitting a written request to the Office of Student Affairs. Waiver forms may be obtained in Admissions and Records or the Student Affairs office. Requests for exemption will be reviewed by the Dean of Admissions and Records and Financial Aid and the Dean of Student Affairs.*

Housing

Grossmont College does not offer on-campus housing. Locating accommodations is the student's responsibility.

Military Information

Specific information regarding the Armed Forces and veteran's benefits may be obtained in the Veterans Affairs Office. For additional veteran information, refer to Veterans in Admission Information (p. 18).

Rules and Regulations

Appropriate statements regarding rules and regulations concerning student conduct, rules, privileges, limits of actions, expectancies and

restrictions are kept in the Student Affairs Office and are made available to any student who wishes a copy. These rules and regulations are issued in accordance with legal requirements of notification.

Service Animals and Other Animals on District Property

The District is closed to all animals, with the exception service animals and animals involved in the instructional process. The District will allow an individual with a disability to use a service animal in District facilities and on District campuses in compliance with state and federal law.

The District will allow an individual with a disability to be accompanied by his/her service animal in all areas of the District's facilities where members of the public, invitees, clients, customers, patrons, or participants in services, programs or activities, as relevant, are allowed to go. These procedures shall also be applicable to an individual who is training a service animal.

For more information refer to (Board Policy/Administrative Procedure 3440)

Smoking Regulations

Grossmont College is a smoke-free/tobacco-free facility as stipulated in Board Policy 3570. Violation of this campus tobacco policy will result in appropriate conduct penalties in place for both students and employees.

In accordance with AP 3570 "Smoking" means engaging in an act that generates smoke or vapor, such as possessing a lighted pipe; a lighted hookah pipe; operating an electronic cigarette or other electronic nicotine delivery system; a lighted cigar; a lighted cigarette of any kind; or lighting or igniting a pipe, a hookah pipe, a cigar, or a cigarette of any kind.

Special Events

As part of its educational offerings, Grossmont College presents a year-long series of cultural events. Among the presentations are lectures by persons of note in the political and scientific spheres; artists in the fields of music and dance; art exhibitions; dramatic productions by the Theatre Arts Department; film series; orchestral, band and choral productions; and other events that add variety to the intellectual and cultural life of the college community. These include both day and evening programs that are open to students and the general public.

Office of Student Affairs

The Office of Student Affairs manages programs and services, in collaboration with staff, faculty, and students, that enhance the quality of campus life for students. The office assists students as they become active members of the college community while providing an educational foundation of learning through doing.

The Office of Student Affairs supports the work of the Associated Students of Grossmont College (ASGC), Inter Club Council (ICC), and individual student clubs through the facilitation of leadership development and activities planning. The Student Affairs office oversees campus-wide student life programming including student activities. Many opportunities are provided for students to become leaders on campus through ongoing workshops and numerous special events throughout the year, including Week of Welcome, Club Fair and Commencement.

Students interested in serving on the ASGC Board, joining/starting a club, being a part of a campus-wide committee and/or obtaining additional information regarding the overall office description are encouraged to visit the Office of Student Affairs, Room 60, Room 204.

The Office of Student Affairs has the primary responsibility of managing student conduct issues related to classroom instruction, staff, faculty, department functions, and the overall campus environment. It is responsible for investigating, facilitating, and enforcing the student conduct process per the Grossmont-Cuyamaca Community College District's Student Conduct Procedures. The Office of Student Affairs also oversees student complaints and grievances in compliance with procedures for conflict resolution and conducts the initial investigations of discrimination and harassment related charges.

Additionally, the Office of Student Affairs oversees Health and Wellness. A wide variety of nursing and medical care services are available on campus to assist the health care needs of students.

Student Identification Card

Students will receive one free photo I.D. card as part of the registration process. Continuing students can update their ID card with a current semester sticker by bringing their ID card to the College Cashier's office or the Admissions & Records office. This card is required for access to Library Services, Health Services and some instructional laboratory areas, including some off-campus clinical experience sites for health occupational programs.

Student Employment Services

Online College Central Network is available 24 hours a day. Job Placement services are available through the Grossmont College Student Employment Office for all former and current Grossmont and Cuyamaca College students who seek job referrals. Student information and job position referrals are computerized in order to facilitate placement.

Employment listings offer career opportunities plus full-time, part-time, temporary and summer positions that best fit a student's skills, education and needs. Internships, both paid and non-paid, are also available for students. Job seekers have access to federal, state, county and municipal listings for California as well.

Substance Abuse Policy

The Grossmont-Cuyamaca Community College District's Governing Board has adopted policies regarding possessing or being under the influence of alcohol, narcotics, or dangerous drugs on campus. The Grossmont-Cuyamaca Community College District Substance Abuse Program information is available at the Learning Resource Center, Financial Aid Office, Student Affairs Office, and Student Health Services Office.

Success Coaches

Success Coaches assist currently enrolled Grossmont College students in reaching their educational goals by providing studying and time management tips and referring them to programs and resources available on campus. Students are encouraged to meet with a Success Coach if they feel as though they could use additional support or are not certain who to reach out to on campus for help. Visit <https://www.grossmont.edu/successcoach/> for more information or send an email to grossmont.success@gcccd.edu. The Success Coaches are located on the second floor of the Tech Mall in the Learning and Technology Resource Center (Building 70, Room 202).

Testing Services

Located in the Student Services and Administration Building, Room 10-170, this office provides individual and group assessments in English, English as a Second Language, Math (including calculus), and Chemistry 141. For additional information, visit our website at

<https://www.grossmont.edu/assessment> (<https://www.grossmont.edu/assessment/>).

Transfer Center

The Transfer Center provides students with information and resources on transfer planning to the California State University, University of California, independent colleges and universities, and out-of-state four-year institutions. Counselors are available by appointment to assist students with transfer educational planning. Transfer Planning Information Sessions are presented throughout the year and students are assisted with completing university admission applications at Application Q&A Sessions. Representatives from four-year colleges and universities visit campus regularly to advise students free of charge, including visits at our Fall and Spring Transfer Fairs. The Transfer Center makes available resources such as current college catalogs, articulation agreements and reference books. There are also computers available for students to access College Source (a computerized college search program), ASSIST (California's official website for transfer information and articulation), and other transfer information websites.

Tutoring Center

The Tutoring Center provides supplemental assistance, at no cost, to currently enrolled Grossmont College students seeking help with coursework. Academic tutoring is available in a variety of subjects, ranging across the curriculum, based on availability of tutors.

Study rooms, individual and group tutoring appointments are available during the day and evenings. Online tutoring is available at all times of the day, 7 days a week by visiting the website <https://www.nettutor.com/>. To schedule an appointment, phone (619) 644-7387, visit the website at <https://www.grossmont.edu/tutoring> (<https://www.grossmont.edu/tutoring/>), or visit the Center in the Learning and Technology Resources Center, room 70-202. The Tutoring Center is committed to providing a learning environment, promotes diversity, equity and inclusion to students from diverse backgrounds and abilities.

Public Safety

Police Services at the District are provided by the San Diego County Sheriff's Department. If necessary, the District also has access to Sheriff's Department specialized units that investigate crimes such as illegal drug sales, auto theft or gang-related crime.

In addition, a team of Campus and Parking Services (CAPS) specialists provides services such as automobile assistance, lost & found, and safety escorts. CAPS also enforces parking regulations on campus.

The Public Safety Office is located in the Grossmont College parking structure, Room 57-100.

Public Safety Contact Information

Call 911 in an emergency

- Life-threatening situation
- Medical emergency
- Missing persons
- Crime in progress
- Fire
- Major disturbance

Call (619) 644-7800 to contact law enforcement for a non-emergency

- Crime report
- Suspected suspicious activity

Call (619) 644-7654 for Campus and Parking Services

- Automobile assistance
- Parking
- Lost & found
- Safety escort

Additional public safety information is available at our home page: <https://www.gcccd.edu/public-safety> (<https://www.gcccd.edu/public-safety/>)

Parking & Traffic Regulations

All vehicles must display a valid college parking permit while parked on campus property. The responsibility of finding a legal parking space, as well as knowing where and when a parking permit is valid, rests with the vehicle operator and/or owner. The purchase of a parking permit does not guarantee a space to park. For the safety of the college community, all California Vehicles Codes are enforced. All community members (students, staff, faculty, and visitors) are primarily responsible for their own safety and property.

For further information, contact the Campus and Parking Services at (619) 644-7654.

Displaying Parking Permit on Campus

The parking permit must be displayed so that the color and expiration date is clearly visible. The parking permits are only valid when properly displayed--affixed to the front windshield inside the lower corner on drivers side.

Student Parking Permits

Student parking permits are purchased through Student parking permits are purchased through <https://www.paymycite.com/GCCCD/parkingpermit.aspx>

Refunds for Parking Permits - Refunds for student parking permits are only valid the first two weeks of classes. The physical permit must be returned to the college cashiers office and a refund will be processed.

Faculty & Staff Parking Permits

Permits are available at Campus and Parking Services at each campus.

Grossmont: Building 57
Cuyamaca: Building A100

Vendor Parking Permits

Vendor parking permits are given out at the CAPS office or by emailing district.parking@gcccd.edu.

Pay Stations

Daily permits for students and visitors may be purchased from the pay stations located in Parking Lots: 1, 3, 7, and on each level of the parking structure.

Please use exact change, one dollar bills only, or any major credit/debit card. No refund or change is given. Pay stations permits are only valid in student parking lots.

Disabled Parking Permits

All vehicles utilizing disabled parking spaces must display a state issued identification placard, i.e. DMV issued placard, DP or DV plates. Applications for placards/plates are available at the Department of Motor Vehicles. Disabled Permits are also valid in parking meters and student lots.

Placard misuse will be heavily enforced and a CAPS specialist may ask to see your placard and registration at any time. Please be prepared to show proof of ownership when requested by a Parking Services Specialist.

Special Events Parking

Please contact the hosting department for parking details. Parking request for special events or large groups are available through previous arrangements, for detailed information contact Campus and Parking Services at (619) 644-7654 a minimum of 48 hours in advance.

Replacement for Lost or Stolen Permits

There are no refunds or replacement of lost or stolen parking permits.

Motorcycle Parking

Motorcycles are not required to display a parking permit but must park in designated motorcycle spaces. Do not park in hash marked or regular spaces unless clearly demarcated with a "motorcycle" sign and stenciled logo. Motorcycles, scooters, and mopeds must park in designated motorcycle areas.

Alternative Transportation Options

Bicycle racks are available throughout campus.

The college Metropolitan Transit System (MTS) pass is a great way to avoid parking hassles, car expenses, and to have access to unlimited rides throughout the semester. Monthly or semester MTS passes are available at the student services window. For more information please visit the MTS website at <https://www.sdmts.com/>.

Motorist Assistance

The Campus Safety goal is to provide safe, orderly, and fair parking to the college community. We strive to make parking on either campus as convenient as possible, while promoting safe movement of vehicles and providing for pedestrian safety. All persons having a valid parking permit are eligible to receive the following complimentary services: unlocking vehicle and battery jump start.

Campus and Parking Services also provides safety escorts available to all community members.

Parking Citation

Fines

Parking citation fines are to be paid within 21 days of issue date or 14 days of delinquent notice. Failure to pay fines on time results in a delinquency fee.

Payments

Fees resulting from citations are payable at the College Cashier Office or online at: <https://www.paymycite.com/gcccd> (<https://www.paymycite.com/gcccd/>)

Citation status changes will not be processed until the full payment of all applicable fees.

Unpaid citations are subject to a \$75.00 delinquent fee. Payment failure will eventually result in a DMV hold on the vehicle's registration.

Appeal Forms

You may obtain a "Citation Appeal Form" at <https://www.paymycite.com/gcccd> (<https://www.paymycite.com/gcccd/>). Complete the form online within 21 calendar days of the citation's issued date. You will receive a response to your request by mail within 1-2 weeks.

Public Safety Office is located at Grossmont College on the east side of the parking structure in Parking Lot 5.

Additional Services

ATM Location

Grossmont College: Outside the Tech Mall.

Lost & Found

Lost and Found items should be returned to CAPS (Campus and Parking Services). To check if an item has been turned in, call (619) 644-7654 or stop by the District Police Department Bldg. 57.

Academic Policies

Academic Integrity

The faculty, administration, and staff of Grossmont College, in creating a culture of academic excellence, value honesty and integrity in all aspects of learning, working, and participating in the college community. Moreover, we believe that those who value learning would never view cheating (copying or otherwise presenting work that is not one's own) and plagiarism (presenting another writer's ideas, materials, images, or words as one's own without proper citation) as viable choices within an academic environment. It is incumbent on faculty, in particular, to communicate expectations to students with regard to academic honesty in each class, and it is the responsibility of each student to understand the actions and behaviors that constitute cheating or academic dishonesty within each class as well as in other venues on campus. Students are encouraged to ask questions of their instructors and are expected to read the college's statement on Academic Fraud (located in the class schedule). Penalties for actions inconsistent with classroom, library, and college expectations for academic integrity range from a failing grade on an assignment, exam, or project (which may lead to a failing grade in the course) to, under certain conditions, suspension, or expulsion from a class, program, or the college. For more information, please consult with your instructor or contact the office of the Dean of Student Affairs.

Computer Software Copyrights

Computer software is protected by the Federal Copyright Act of 1976. Software protected by copyright may not be copied except as expressly permitted by the owner of the copyright or otherwise permitted by copyright law. Protected software may not be copied into, from, or by any district facility or system, except pursuant to a valid license or as otherwise permitted by copyright law.

The following guidelines apply to the use of College acquired software:

1. The user is responsible for complying with whatever terms and conditions are specified in the license agreement or copyright statement which accompanies individual software acquisition.
2. No copies of software may be made except in the following cases:
 - a. Normally an archive copy of software is allowed for protection against accidental loss or damage. Archive copies of software should be securely stored and not used except to be recopied if the operational copy becomes damaged.
 - b. Some software, when site licensed may permit multiple use within the college. Such copies must be made only by the person or persons authorized to make copies by the terms of the site license.
 - c. The number of simultaneous users and distribution of copies must be handled in such a way that the number of simultaneous users in a department does not exceed the number of licenses purchased by that department, unless otherwise stipulated in the purchase contract.
 - d. Some software, in particular programming languages, allows code to be copied and incorporated within user written software. Such use is generally permitted as long as the software is for personal use and not sold, rented, or leased. If distribution of commercial use is intended for software so produced, clearance must be secured from the copyright owner for the use of the incorporated code, and with the college for use of the equipment during production.

3. The intended or unintended piracy, damage, alteration or removal of any college acquired software may be treated as an act of theft or malicious destruction. Grossmont College may choose to withhold computer services to persons who have been identified as engaging in these acts.

Academic Renewal

When previously recorded Grossmont-Cuyamaca Community College District coursework is substandard and not reflective of a student's present level of demonstrated ability this policy may allow alleviation of substandard work. **(Grades D or F only)**

Students may petition to have their academic record reviewed by their respective college's General Petitions Committee. Forms & instructions can be obtained from the Admissions & Records Office.

In compliance with Title 5 Regulations, a student's petition for academic renewal of substandard academic performance will be considered under the following conditions:

- At least one year has elapsed since the most recent substandard grade(s) to be alleviated, and the student has completed at least 15 units of coursework with at least a 2.0 Grade Point Average (GPA) at a regionally accredited post-secondary institution. All courses taken during the semester/session in which the student reaches or exceeds the 15 unit minimum will be used in computing the GPA. Units completed with "P" (Pass) grades will be excluded and not counted toward fulfillment of this requirement

Academic renewal cannot be used to set aside coursework which has been used to meet degree, certificate or certification requirements.

Academic Renewal does not provide an exception to the course repetition policy.

Prior Academic Renewals from Grossmont-Cuyamaca Community College District and other institutions will be taken into account when determining eligibility.

The student may select Option I or Option II.

The student may not apply for both.

- Option I: A maximum of any 24 units of substandard coursework (grades D or F only) may be alleviated. This option may be approved twice subject to a total of 24 units.
- Option II: Two complete semesters in which the Grossmont-Cuyamaca Community College District semester GPA is below 2.0 may be alleviated. Courses taken at Grossmont-Cuyamaca Community College District during the same semester shall be combined and counted as one semester.

Procedure

1. The student must formally request a review of substandard work to be alleviated. The Petitions Committee shall review all requests for academic renewal. The committee will determine if all criteria have been met and determination by the committee shall be final.
2. When such action is taken, the student's permanent academic records shall be annotated so that it is readily evident to all users of the record that no work taken during the alleviated semester(s), even if satisfactory, may apply toward degree requirements. However, all work will remain on the record insuring a true and complete academic history. Academically renewed courses will still be counted as attempted units and some restrictions will apply for Financial

Aid and Veteran students who are receiving benefits through these services.

Access to Educational Programs

It is the policy of the Grossmont-Cuyamaca Community College District Governing Board that, unless specifically exempted by statute or regulation, every course, course section, or class, reported for state aid, wherever offered and maintained by the district, shall be fully open to enrollment and participation by any person who has been admitted to the college and who meets such prerequisites as may be established pursuant to Section 55003 of Division 6, of Title 5 Code of Regulations.

Adding Courses

Students may add courses only during the official "Add" period. Students may add online once a session has begun using an "add authorization" issued by the instructor or submit the completed "Change of Program Card (add card)" to the Admissions and Records Office.

Students may enroll in more than 18 units per semester or 8 units in summer session after the start of the semester session with an overload petition. Overload petitions must be approved by a counselor. Excessive unit overloads will require an appointment with the Dean of Counseling Services.

Explanation - Courses of Instruction

The courses of study offered at Grossmont College are presented alphabetically in this section. Courses are designated as either associate degree credit courses or nondegree credit courses. Associate degree credit courses may be used as required or elective courses in a degree or certificate program. Nondegree credit courses are designed to assist the student in preparation for college level course work. Units earned in nondegree credit courses may not be applied toward a degree or certificate. Above each course description is information, including course title, designation of associate degree credit or nondegree credit status, unit value granted for the course, indication of the hours of lecture and/or laboratory, and any required prerequisite(s) and/or corequisite(s).

If no designation is indicated, the hours are lecture (exceptions are 199, 298, 299As and 299Bs). Courses listed in sequence punctuated by hyphens, unless otherwise indicated, must be taken in order of listing.

Every course at Grossmont College is designed to be of collegiate value and created to contribute to the fulfillment of objectives of the college and its students. Thus, each student will discover opportunities to explore general education curricula, developmental programs and courses equivalent to those of lower division curricula at four-year colleges and universities. In addition, Grossmont offers career programs which provide technical skills for immediate employment, retraining and advancement.

Transferability should be determined through consultation with the counseling staff. Articulation agreements with transfer institutions are available in the Counseling Center. Although course numbers in the 100 series are usually taken prior to those in the 200 series, prerequisites determine when they can be taken. Therefore, certain courses in the 200 series with no prerequisites may be taken in the freshman year. The student may wish to consult with a counselor as to the advisability of such programming.

Attendance Requirements

Instructors are obligated, at the beginning of the semester, to announce to their students their policy regarding excessive absence. When absences exceed the number of hours that a class meets in a week the instructor may drop the student from the class. Failure to attend the first

class meeting (no show) may result in the student being dropped from the class.

It is the student's responsibility to discuss anticipated extensive absences with the instructor. Make-up work for an absence of any kind must be completed to the satisfaction of the instructor. No absence relieves the student of the responsibility of completing all work assigned.

Auditing Courses

It shall be the policy of the Board to permit audit of courses as follows:

1. Audit enrollment will not be permitted until students have completed the allowable number of repeats in practice or performance courses. Courses are determined through agreement between the department and the appropriate administrator. Priority class enrollments are given to students desiring to take the course for credit. No student will be permitted to enroll for audit purposes until Monday of the third week of instruction.
2. A nonrefundable audit fee of \$15 per unit plus any required student or instructional materials fee (e.g., health fee of \$20, materials fee) shall be payable at the time of enrollment as an auditor.
3. Students enrolled in classes to receive credit for 10 or more semester credit units shall not be charged a fee to audit three or fewer units per semester. If the student drops below the 10-unit level, the \$15 per unit audit fee will be assessed.
4. Audit enrollment will be based on "seats available" and will not be used to count toward minimum enrollment requirements. If a class closes after an auditor has been admitted, the auditor may be asked to leave to make room for the credit students. Instructor discretion is strongly recommended. Audit enrollments which allow faculty to be eligible for large class bonus will not be counted.
5. No student auditing a course shall be permitted to change his or her enrollment in that course to receive credit for that course.
6. Permission to audit a class is done at the discretion of the instructor and with the instructor's signed permission.
7. No credit will be received for auditing a course. The College will not maintain any attendance or academic records for MIS reporting.

Courses Taken Out of Sequence

Successful completion of courses (i.e., biology, English, mathematics, foreign languages, etc.) implies competency in the prerequisite courses; therefore, the college does not grant credit toward graduation for courses taken out of sequence.

Credit for Prior Learning (CPL)

Credit for prior learning may be earned for District approved courses for students who satisfactorily pass an authorized assessment. Authorized assessments may include the evaluation of approved external standardized examinations, military service/training, the evaluation of industry recognized credentials, student-created portfolios, and credit by examination. Details may be found in Administrative Procedure (AP) 4235. Students may demonstrate proficiency in a course eligible for Credit for Prior Learning and receive college credit through the approved alternative methods for awarding credit listed below:

- Achievement of a satisfactory score on an Advanced Placement (AP) examination
- Achievement of a satisfactory score on a high level International Baccalaureate (IB) examination
- Achievement of a satisfactory score on the College Level Examination Program (CLEP)

- Evaluation of military service Joint Service Transcripts (JST)
- Evaluation of industry recognized credential documentation
- Evaluation of student-created portfolios
- Satisfactory completion of an institutional examination, known as Credit by Examination, administered by the college in lieu of completion of an active course. See list below:

COURSES FOR WHICH CREDIT BY EXAMINATION MAY BE GIVEN - FALL 2023

Allied Health and Nursing

*Nursing 120, 132

Arts, Languages and Communication

Music 105, 106, 132 (for qualified music majors).

Career and Technical Education/Workforce Development

*Business, all courses except BUS 110, 120, 121, 125 and 128

Mathematics, Natural Sciences, and Exercise Science and Wellness

Chemistry 120

**This department has special requirements. Contact the division dean or the department chairperson.*

Note: See AP/IB/CLEP charts for satisfactory scores.

Determination of Eligibility for Credit for Prior Learning:
(with the exception of AP/IB/CLEP – See information under External Exams):

- The student must not be on academic probation or have financial holds
- The student must have previously earned credit from the District or be currently registered in the District
- Current students must have an education plan on file
- The student must consult with the academic department to determine if credit is appropriate
- The course is listed in the current Grossmont and/or Cuyamaca College Catalog
- The student is not currently enrolled in nor received credit for a more advanced course in the same subject

Students wishing to receive CPL credit should consult with a Counselor. Credits acquired by examination are not applicable to meeting unit load requirements such as Selective Service deferment, Veterans, or Social Security benefits. Additionally, credits acquired by examination shall not be counted in determining the 12 semester hours of credit in residence required for an Associate degree. Applicable fees must be paid to the Cashier/Business Office.

Credit for Military Service Schools

Credit may be granted for military service schools as recommended in the publication, A Guide to Evaluation of Educational Experiences in the Armed Forces, published by the American Council on Education. Credit will be granted for those training courses substantially similar to coursework offered by Grossmont College. Military credit granted by Grossmont College can be used to satisfy elective credit when awarding a CSU transfer degree.

Military credit will be counted toward graduation as general education or elective credit only, unless specifically accepted by a department for use within a student's major. A maximum of 20 units of military credit will be allowed.

To request evaluation of military credit, students must be currently enrolled, have all official transcripts on file in the Admissions and Records Office and submit a request for military credit in the Veteran's Office.

Deficiency Notes

It is assumed at Grossmont College that students are aware of their academic progress in any course at any time; however, when in the instructor's opinion, a student is deficient in a course, the instructor may require a conference with the student to discuss his/her progress. Notice that course work is deficient may be conveyed to the student either in writing or by oral communication. The college does not require official notification by the instructor when a student's work is unsatisfactory in a course.

Removal from Class and/or College

Excessive absences, disruptive behavior, or deliberate falsification of information are bases for dismissal from class and/or from the college for the duration of the semester or longer.

Dropping Courses

A student may drop courses online or submit a "Change of Program (green add/drop card) card" to the Admissions and Records Office. Classes dropped up until the 20% point in the course do not appear on the student's transcript. Courses dropped after the 20% point and before the 75% point in the course will result in a "W" and does not include a refund. All withdrawals must be initiated prior to the 75% point of that particular course. Students should be aware that the "W" will be taken into consideration in determination of progress alert or disqualification status. Students must clear all obligations to the college prior to withdrawal.

Withdrawal from a class after the 75% point (final drop deadline) may be authorized in the event of extenuating circumstances. Extenuating circumstances are verified cases of accidents, illnesses, or other circumstances beyond the control of the student. Should a verified condition require a complete withdrawal after the final drop deadline, a student may file a petition at the Admissions and Records Office. If the circumstances require a medical withdrawal, a medical withdrawal includes an "EW" (excused Withdrawal), does not include a refund and can only be granted for all courses in a particular session at Grossmont College. A partial medical withdrawal can apply only to ES/DANC activity courses or to courses completed prior to the medical incident. The student must file a petition with documentation to the Admissions and Records Office for these types of withdrawals. Documentation must address how the medical issue impacts your studies or enrollment.

Military withdrawals shall not be counted in progress alert and dismissal calculations. No refunds will be given for military withdrawals.

It is the student's responsibility to clear all obligations to the college prior to withdrawal. Additionally, it is the student's responsibility to officially drop courses they are no longer attending. If a course is not officially dropped, the student may receive an "F" for the course.

Examinations

Final Examinations

Formal written and/or performance examinations will be given at the end of each course and as frequently during the semester as sound evaluation practice dictates. Final examinations are required in all courses and must be given according to the schedule provided in the class schedule. No student may be excused from final examinations. Instructors will not ordinarily give final examinations at any time other than those regularly scheduled times.

Early Finals

If, in the opinion of the instructor, an extreme emergency justifies the giving of a final examination prior to the regularly scheduled date, the instructor shall obtain approval from the appropriate dean in writing that an early examination is being given. This request shall include the title of the course, the reason why the early examination is authorized and the name of the student.

Late Finals

In the event severe illness or other emergency prevents the student from taking a final examination during the regularly scheduled date, the instructor must be notified at the time and, as soon as possible, the student must make up the examination missed. In all cases the illness or emergency must be verified.

External Exams Credit

Grossmont College grants credit toward its associate degrees for successfully passing external examinations including Advanced Placement (AP), International Baccalaureate (IB) and College Level Examination Program (CLEP). Such examinations may also be used for CSU GE-Breadth and IGETC certification and for placement purposes in Mathematics and English courses. In order to receive credit, students must send official score reports to the Admissions and Records Office. The student's academic transcript will be annotated to designate unit credit awarded by external examinations. The following charts show the examinations, the total units awarded at GCCCD, CSU and UC, the specific area of general education requirements that may be cleared and the equivalent Grossmont course(s), if any. If a student receives External Exam credit and then takes the equivalent Grossmont College course, the unit credit will be deducted prior to being awarded the AA/AS degree. For exams not on this list, see the Articulation Officer. (mariadenise.aceves@gcccd.edu)

Advanced Placement (AP)

As indicated in the chart on the next page, credit is awarded for AP examinations passed with a score of 3 or above. Credit may be applied to specific general education areas and in some cases fulfill major requirements. Elective units are granted for examinations that do not fit into general education areas and/or fulfill major requirements. In the Grossmont-Cuyamaca Community College District, the manner in which credit is awarded mirrors the California State University General Education (CSU GE) Breadth certification. **Transfer students should check the catalog of the four-year institution to see how AP credits are awarded outside of general education (how credits are applied toward major coursework).** To obtain AP score reports visit <https://www.collegeboard.org/>.

College Level Examination Program (CLEP)

Grossmont College awards general education and/or elective credit for CLEP examinations. Passing scores range from 50 and above (see chart). At the discretion of the appropriate instructional department faculty, CLEP may be used to clear major requirements. A student may earn

up to a maximum of 18 units of CLEP at Grossmont College. **Students intending to transfer should check with the transferring institution to determine their policy.** Students are cautioned that CLEP policies vary among colleges. The CSU has approved the application of CLEP on GE certifications and has a 30-unit overall cap on the acceptance of CLEP credit. To obtain CLEP transcripts, visit <https://www.collegeboard.org/>.

International Baccalaureate (IB)

Grossmont College grants 3-6 units for each International Baccalaureate Higher Level (HL) Subject Examination passed with an appropriate score (see chart). Examinations may be evaluated for specific course credit to satisfy a major requirement or to clear a prerequisite by the appropriate instructional department faculty. **Students planning to transfer without a CSU or IGETC certification should check the catalog of the four-year institution to see how IB credits are awarded.** To request IB transcripts, students may contact International Baccalaureate at <https://www.ibo.org/>.

For the AP, CLEP, and IB charts, the following definitions apply:

GCCCD = Grossmont-Cuyamaca Community College District

GC = Grossmont College

CC = Cuyamaca College

CSU = California State University General Education Breadth Certification

UC = University of California

IGETC = Intersegmental General Education Transfer Curriculum

CCC = California Community College General Education Advanced Placement (minimum units)

Advanced Placement (AP)

AP Exam	Total Units Awarded	General Education	GCCCD Major Courses Fulfilled
Art History	GCCCD: 6	GC: 3, Area C	ART 140, 141
	CSU: 6	CSU GE: 3, Area C1 or C2	
	UC: 5.3	IGETC: 3, Area 3A or 3B	
	CCC: 3	CCC: 3, Humanities	
Biology	GCCCD: 6	GC: 4, Area B - w/ lab	CC: BIO 130, 131 GC: BIO 120
	CSU: 6	CSU GE: 4, Area B2, B3	
	UC: 5.3	IGETC: 4, Area 5B, 5C	
	CCC: 4	CCC: 4, Natural Sciences	
Calculus AB	GCCCD: 3	GC: 3, Area A2	MATH 180 (Score of 3)
	CSU: 3	CSU GE: 3, Area B4	
	UC: 2.6	IGETC: 3, Area 2A	
	CCC: 3	CCC: 3, Language and Rationality	

Calculus BC	GCCCD: 6 CSU: 6 UC: 5.3 CCC: 3	GC: 3, Area A2 CSU GE: 3, Area B4 IGETC: 3, Area 2A CCC: 3, Language and Rationality	MATH 180 (Score of 3) MATH 180 and 280 (Score of 4 or 5)	English Literature & Composition	GCCCD: 6 CSU: 6 UC: 5.3 CCC: 3	GC: 6, Area A1, C CSU GE: 6, Area A2, C2 IGETC: 3, Area 1A or 3B CCC: 3, Language and Rationality or Humanities	ENGL 120, 122
Calculus BC/AB Subscore	GCCCD: 3 CSU: 3 UC: 2.6 CCC: 3	GC: 3, Area A2 CSU GE: 3, Area B4 IGETC: 3, Area 2A CCC: 3, Language and Rationality	MATH 180	Environmental Science	GCCCD: 4 CSU: 4 UC: 2.6 CCC: 4	GC: 4, Area B - w/ lab CSU GE: 4, Area B1, B3 IGETC: 3, Area 5A, 5C CCC: 4, Natural Sciences	N/A
Chemistry	GCCCD: 6 CSU: 6 UC: 5.3 CCC: 4	GC: 4, Area B - w/ lab OSU GE: 4, Area B1, B3 IGETC: 4, Area 5A, 5C CCC: 4, Natural Sciences	CHEM 120 (Score of 3) CHEM 141 (Score of 4 or 5)	European History	GCCCD: 6 CSU: 6 UC: 5.3 CCC: 3	GC: 3, Area C CSU GE: 3, Area C2 or D IGETC: 3, Area 3B or 4 CCC: 3, Social/Behavioral Sciences or Humanities	HIST 105, 106
Chinese Language & Culture	GCCCD: 6 CSU: 6 UC: 5.3 CCC: 3	GC: 3, Area C CSU GE: 3, Area C2 IGETC: 3, Area 3B, 6A CCC: 3, Humanities	GC: CHIN 120, 121	French Language & Culture	GCCCD: 6 CSU: 6 UC: 5.3 CCC: 3	GC: 3, Area C CSU GE: 3, Area C2 IGETC: 3, Area 3B, 6A CCC: 3, Humanities	GC: FREN 120, 121
Comparative Government & Politics	GCCCD: 3 CSU: 3 UC: 2.6 CCC: 3	GC: 3, Area D CSU GE: 3, Area D IGETC: 3, Area 4 CCC: 3, Social/Behavioral Sciences	POSC 124	German Language and Culture	GCCCD: 6 CSU: 6 UC: 5.3 CCC: 3	GC: 3, Area C CSU GE: 3, Area C2 IGETC: 3, Area 3B, 6A CCC: 3, Humanities	GC: GERM 120, 121
Computer Science A	GCCCD: 3 CSU: 3 UC: 1.3 CCC: 0	N/A	CC: CS 182 GC: CSIS 293	Human Geography	GCCCD: 3 CSU: 3 UC: 2.6 CCC: 3	GC: 3, Area D CSU GE: 3, Area D IGETC: 3, Area 4 CCC: 3, Social/Behavioral Sciences	GEOG 130
Computer Science AB	GCCCD: 6 CSU: 6 UC: 2.6 CCC: 3	N/A	N/A	Italian Language & Culture	GCCCD: 6 CSU: 6 UC: 5.3 CCC: 3	GC: 3, Area C CSU GE: 3, Area C2 IGETC: 3, Area 3B, 6A CCC: 3, Humanities	GC: ITAL 120, 121
Computer Science Principles	GCCCD: 6 CSU: 6 UC: 5.3 CCC: 3	GC: 3, Area A2 CSU: 3, Area B4 IGETC: N/A CCC: Language and Rationality	N/A				
English Language & Composition	GCCCD: 6 CSU: 6 UC: 5.3 CCC: 3	GC: 3, Area A1 CSU GE: 3, Area A2 IGETC: 3, Area 1A CCC: 3, Language and Rationality	ENGL 120				

Japanese Language & Culture	GCCCD: 6 CSU: 6 UC: 5.3 CCC: 3	GC: 3, Area C CSU GE: 3, Area C2 IGETC: 3, Area 3B, 6A CCC: 3, Humanities	GC: JAPN 120, 121
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Latin	GCCCD: 6 CSU: 6 UC: 5.3 CCC: 3	GC: 3, Area C CSU: 3, Area C2 IGETC: 3, Area 3B, 6A CCC: 3, Humanities	N/A
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Macroeconomics	GCCCD: 3 CSU: 3 UC: 2.6 CCC: 3	GC: 3, Area D CSU GE: 3, Area D IGETC: 3, Area 4 CCC: 3, Social/Behavioral Sciences	ECON 120
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Microeconomics	GCCCD:3 CSU: 3 UC: 2.6 CCC: 3	GC: 3, Area D CSU GE: 3, Area D IGETC: 3, Area 4 CCC: 3, Social/Behavioral Sciences	Econ 121
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Music Theory	GCCCD: 6 CSU: 6 UC: 5.3 CCC: 3	GC: 3, Area C CSU GE: N/A IGETC: N/A CCC: 3, Humanities	MUS 105, 106
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PreCalculus	GCCCD: 3 CSU: 3 UC: 0 CCC: 3	GC/CC: 3, A3 CSU: 3, B4 IGETC: N/A CCC: 3, Language and Rationality	Math 170+175 or Math 176
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Physics 1: Algebra-based	GCCCD: 4 CSU: 4 UC: 5.3 CCC: 4	GC: 4, Area B - w/ lab CSU GE: 4, Area B1, B3 IGETC: 4, Area 5A, 5C CCC: 4, Natural Sciences	PHYC 110
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Physics 2: Algebra-Based	GCCCD: 4 CSU: 4 UC: 5.3 CCC: 4	GC: 4, Area B - w/ lab CSU GE: 4, Area B1, B3 IGETC: 4, Area 5A, 5C CCC: 4, Natural Sciences	PHYC 110
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Physics C: Electricity & Magnetism	GCCCD: 4 CSU: 4 UC: 2.6 CCC: 4	GC: 4, Area B – w/lab CSU GE: 4, Area B1, B3 IGETC: 3, Area 5A, 5C CCC: 4, Natural Sciences	CC: Area B – w/ lab GC: PHYC 202 or PHYC 240
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Physics C: Mechanics	GCCCD: 4 CSU: 4 UC: 2.6 CCC: 4	GC: 4, Area B – w/lab CSU GE: 4, Area B1, B3 IGETC: 3, Area 5A, 5C CCC: 4, Natural Sciences	CC: Area B – w/ lab GC: PHYC 201 or PHYC 140
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Psychology	GCCCD: 3 CSU: 3 UC: 2.6 CCC: 3	GC: 3, Area D CSU GE: 3, Area D IGETC: 3, Area 4 CCC: 3, Social/Behavioral Sciences	PSY 120
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Seminar	GCCCD: 3 CSU: 3 UC: 1.3 CCC: 0	N/A	N/A
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Spanish Language & Culture	GCCCD: 6 CSU: 6 UC: 5.3 CCC: 3	GC: 3, Area C CSU GE: 3, Area C2 IGETC: 3, Area 3B, 6A CCC: 3, Humanities	SPAN 120, 121
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Spanish Literature & Culture	GCCCD: 6 CSU: 6 UC: 5.3 CCC: 3	GC: 3, Area C CSU GE: 3, Area C2 IGETC: 3, Area 3B, 6A CCC: 3, Humanities	N/A
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Statistics	GCCCD: 3 CSU: 3 UC: 2.6 CCC: 3	GC: 3, Area A CSU GD: 3, Area B4 IGETC: 3, Area 2A CCC: 3, Language and Rationality	MATH 160
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Studio Art - 2D Design	GCCCD: 3 CSU: 3 UC: 5.3 CCC: 0	GC: 3, Area C CSU GE: N/A IGETC: N/A CCC: N/A	ART 120
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Studio Art - 3D Design	GCCCD: 3 CSU: 3 UC: 5.3 CCC: 0	GC: 3, Area C CSU GE: N/A IGETC: N/A CCC: N/A	ART 129
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Studio Art - Drawing	GCCCD: 3 CSU: 3 UC: 5.3 CCC: 0	GC: 3, Area C CSU GE: N/A IGETC: N/A CCC: N/A	ART 124
US Government & Politics	GCCCD: 3 CSU: 3 UC: 2.6 CCC: 3	GC: 3, Area D CSU GE: 3, Area D, AI US#2 IGETC: 3, Area 4 CCC: 3, Social/Behavioral Sciences	POSC 121
US History	GCCCD: 6 CSU: 6 UC: 5.3 CCC: 3	GC: 3, Area C or D CSU GE: 3, Area C2 or D, AI US#1 IGETC: 3, Area 3B or 4 CCC: 3, Social/Behavioral Sciences or Humanities	HIST 108, 109
World History Modern	GCCCD: 3 CSU: 3 UC: 5.3 CCC: 3	GC: 3, Area C or D CSU GE: 3, Area C2 or D IGETC: 3, Area 3B or 4 CCC: 3, Social/Behavioral Sciences or Humanities	HIST 100 or 101

Questions regarding the Advancement Placement (AP) examination chart can be directed to Counselors. Please note that information identified by "GC" is specific to Grossmont College. For examinations not on this list see the Articulation Officer.

- If a student passes more than one AP examination in Calculus or Computer Science, only one examination may be applied to the baccalaureate.
- If a student passes more than one AP examination in Physics, only six units of credit may be applied to the baccalaureate and only four units of credit may be applied to a certification in General Education Breadth.
- Transfer students should check the catalog of the four-year institution to see how AP credits are awarded outside of general education (how credits are applied toward major coursework).

Reference: CSU Chancellor's Office Memo Code: ASA-2019-03; Systemwide Credit for External Examinations, January 28, 2019; Memorandum ESS 22-200-003, March 21st, 2022.

College Level Examination Program (CLEP) Examinations

(Note: CLEP is currently not accepted for IGETC or by the UC System)

CLEP Examination	Approved Score	Total Units Awarded	General Education
American Government	50	GCCCD: 3 CSU: 3 UC: N/A CCC: 3	GC: 3, Area D CSU GE: 3, Area D IGETC: N/A CCC: 3, Social/Behavioral Sciences
American Literature	50	GCCCD: 3 CSU: 3 UC: N/A CCC: 3	GC: 3, Area C CSU GE: 3, Area C2 IGETC: N/A CCC: 3, Humanities
Analyzing and Interpreting Literature	50	GCCCD: 3 CSU: 3 UC: N/A CCC: 3	GC: 3, Area C CSU GE: 3, Area C2 IGETC: N/A CCC: 3, Humanities
Biology	50	GCCCD: 3 CSU: 3 UC: N/A CCC: 3	GC: 3, Area B # no lab CSU GE: 3, Area B2 # no lab IGETC: N/A CCC: 3, Natural Sciences
Calculus	50	GCCCD: 3 CSU: 3 UC: N/A CCC: 3	GC: 3, Area A3 CSU GE: 3, Area B4 IGETC: N/A CCC: 3, Language and Rationality
Chemistry	50	GCCCD: 3 CSU: 3 UC: N/A CCC: 3	GC: 3, Area B2 # no lab CSU GE: 3, Area B1 # no lab IGETC: N/A CCC: 3, Natural Sciences
College Algebra	50	GCCCD: 3 CSU: 3 UC: N/A CCC: 3	GC: 3, Area A3 CSU GE: 3, Area B4 IGETC: N/A CCC: 3, Language and Rationality
College Algebra-Trigonometry	50	GCCCD: 3 CSU: 3 UC: N/A CCC: 3	GC: 3, Area A3 CSU GE: 3, Area B4 IGETC: N/A CCC: 3, Language and Rationality

College Composition	50	GCCCD: 0 CSU: 0 UC: N/A CCC: 0	GC: N/A CSU GE: N/A IGETC: N/A CCC: N/A
College Composition - Modular	50	GCCCD: 0 CSU: 0 UC: N/A CCC: 0	GC: N/A CSU GE: N/A IGETC: N/A CCC: N/A
College Mathematics	50	GCCCD: 0 CSU: 0 UC: N/A CCC: 0	GC: N/A CSU GE: N/A IGETC: N/A CCC: N/A
English Composition (without essay)	50	GCCCD: 0 CSU: 0 UC: N/A CCC: 0	GC: N/A CSU GE: N/A IGETC: N/A CCC: N/A
English Composition (with essay)	50	GCCCD: 0 CSU: 0 UC: N/A CCC: 0	GC: N/A CSU GE: N/A IGETC: N/A CCC: N/A
Financial Accounting	50	GCCCD: 3 CSU: 3 UC: N/A CCC: 0	GC: 0 CSU GE: N/A IGETC: N/A CCC: N/A
French Level I	50	GCCCD: 6 CSU: 6 UC: N/A CCC: 6	GC: N/A CSU GE: N/A IGETC: N/A CCC: N/A
French Level II	50	GCCCD: 9 CSU: 9 UC: N/A CCC: 3	GC: 5, Area C CSU GE: 3, Area C2 IGETC: N/A CCC: 3, Humanities
Freshman College Composition	50	GCCCD: 0 CSU: 0 UC: N/A CCC: 0	GC: N/A CSU GE: N/A IGETC: N/A CCC: N/A
German Level I	50	GCCCD: 6 CSU: 6 UC: N/A CCC: 3	GC: N/A CSU GE: N/A IGETC: N/A CCC: N/A
German Level II	60	GCCCD: 9 CSU: 9 UC: N/A CCC: 3	GC: 5, Area C CSU GE: 3, Area C2 IGETC: N/A CCC: 3, Humanities
History: US I	50	GCCCD: 3 CSU: 3 UC: N/A CCC: 3	GC: 3, Area D CSU GE: 3, Area D, US-1 IGETC: N/A CCC: 3, Social/Behavioral Sciences

History: US II	50	GCCCD: 3 CSU: 3 UC: N/A CCC: 3	GC: 3, Area D CSU GE: 3, Area D, US-1 IGETC: N/A CCC: 3, Social/Behavioral Sciences
Human Growth and Development	50	GCCCD: 3 CSU: 3 UC: N/A CCC: 3	GC: 3, Area D CSU GE: 3, Area E IGETC: N/A CCC: 3, Social/Behavioral Sciences
Humanities	50	GCCCD: 3 CSU: 3 UC: N/A CCC: 3	GC: 3, Area C CSU GE: 3, Area C2 IGETC: N/A CCC: 3, Humanities
Information Systems and Computer Applications	50	GCCCD: 3 CSU: 3 UC: N/A CCC: 0	GC: 3, Elective Credit CSU GE: N/A IGETC: N/A CCC: N/A
Introduction to Educational Psychology	50	GCCCD: 3 CSU: 3 UC: N/A CCC: 0	GC: 3, Elective Credit CSU GE: N/A IGETC: N/A CCC: N/A
Introductory Business Law	50	GCCCD: 3 CSU: 3 UC: N/A CCC: 0	GC: 3, Elective Credit CSU GE: N/A IGETC: N/A CCC: N/A
Introductory Psychology	50	GCCCD: 3 CSU: 3 UC: N/A CCC: 3	GC: 3, Area D CSU GE: 3, Area D IGETC: N/A CCC: 3, Social/Behavioral Sciences
Introductory Sociology	50	GCCCD: 3 CSU: 3 UC: N/A CCC: 3	GC: 3, Area D CSU GE: 3, Area D IGETC: N/A CCC: 3, Social/Behavioral Sciences
Natural Sciences	50	GCCCD: 3 CSU: 3 UC: N/A CCC: 3	GC: 3, Area B1 or B2 - no lab CSU GE: 3, Area B1 or B2 - no lab IGETC: N/A CCC: 3, Natural Sciences

Precalculus	50	GCCCD: 3 CSU: 3 UC: N/A CCC: 3	GC: 3, Area A3 CSU GE: 3, Area B4 IGETC: N/A CCC: 3, Language and Rationality
Principles of Accounting	50	GCCCD: 3 CSU: 3 UC: N/A CCC: 0	GC: 3, Elective Credit CSU GE: N/A IGETC: N/A CCC: N/A
Principles of Macroeconomics	50	GCCCD: 3 CSU: 3 UC: N/A CCC: 3	GC: 3, Area D CSU GE: 3, Area D IGETC: N/A CCC: 3, Social/ Behavioral Sciences
Principles of Management	50	GCCCD: 3 CSU: 3 UC: N/A CCC: 0	GC: 3, Elective Credit CSU GE: N/A IGETC: N/A CCC: N/A
Principles of Marketing	50	GCCCD: 3 CSU: 3 UC: N/A CCC: 0	GC: 3, Elective Credit CSU GE: N/A IGETC: N/A CCC: N/A
Principles of Microeconomics	50	GCCCD: 3 CSU: 3 UC: N/A CCC: 3	GC: 3, Area D CSU GE: 3, Area D IGETC: N/A CCC: Social/ Behavioral Sciences
Social Sciences and History	50	GCCCD: 0 CSU: 0 UC: N/A CCC: 0	GC: N/A CSU GE: N/A IGETC: N/A CCC: N/A
Spanish Level I	50	GCCCD: 6 CSU: 6 UC: N/A CCC: 0	GC: N/A CSU GE: N/A IGETC: N/A CCC: N/A
Spanish Level II	63	GCCCD: 9 CSU: 9 UC: N/A CCC: 3	GC: 5, Area C CSU GE: 3, Area C2 IGETC: N/A CCC: 3, Humanities
Spanish with Writing I	50	GCCCD: 6 CSU: 6 UC: N/A CCC: 0	GC: N/A CSU GE: N/A IGETC: N/A CCC: N/A
Spanish with Writing II	50	GCCCD: 9 CSU: 9 UC: N/A CCC: 0	GC: 3, Area C CSU GE: 3, Area C2 IGETC: N/A CCC: 3, Humanities

Western Civilization I	50	GCCCD: 3 CSU: 3 UC: N/A CCC: 3	GC: 3, Area C or D CSU GE: 3, Area C2 or D IGETC: N/A CCC: 3, Humanities or Social/Behavioral Sciences
Western Civilization II	50	GCCCD: 3 CSU: 3 UC: N/A CCC: 3	GC: 3, Area C or D CSU GE: 3, Area D IGETC: N/A CCC: 3, Social/ Behavioral Sciences

Questions regarding the CLEP chart can be directed to Counselors. Please note that information identified as "GC" is specific to Grossmont College. For examinations not on this list see the Articulation Officer.

Students seeking certification in GE Breadth prior to transfer must have passed the test before this date.

If a student passes more than one CLEP test in the same language other than English, then only one examination may be applied to the baccalaureate.

At the discretion of discipline faculty, CLEP may be used to clear major requirements. A Modification of Major form must be submitted to the appropriate department chair for approval.

References: CSU Chancellor's Office Memo Code: ASA-2019-03; Systemwide Credit for External Examinations, January 28, 2019; Memorandum ESS 22-200-003, March 21st, 2022.

International Baccalaureate (IB) Examinations

IB Exam	Approved Score	Total Units Awarded	General Education
Biology HL	GCCCD: 5 CSU: 5 UC: 5	GCCCD: 6 CSU: 6 UC: 5.3	GC: 3, Area B1 - no lab CSU GE: 3, Area B2 - no lab IGETC: 3, 5B - no lab
Chemistry HL	GCCCD: 5 CSU: 5 UC: 5	GCCCD: 6 CSU: 6 UC: 5.3	GC: 3, Area B2 - no lab CSU GE: 3, Area B1 - no lab IGETC: 3, Area 5A - no lab
Economics HL	GCCCD: 5 CSU: 5 UC: 5	GCCCD: 6 CSU: 6 UC: 5.3	GC: 3, Area D CSU GE: 3, Area D IGETC: 3, Area 4
Geography HL	GCCCD: 5 CSU: 5 UC: 5	GCCCD: 6 CSU: 6 UC: 5.3	GC: 3, Area D CSU GE: 3, Area D IGETC: 3, Area 4

History HL (any region)	GCCCD: 5 CSU: 5 UC: 5	GCCCD: 6 CSU: 6 UC: 5.3	GC: 3, Area C or D CSU GE: 3, Area C2 or D IGETC: 3, Area 3B or 4
Language A Literature HL ¹	GCCCD: 4 CSU: 4 UC: 5	GCCCD: 6 CSU: 6 UC: 5.3	GC: 3, Area C CSU GE: 3, Area C2 IGETC: 3, Area 3B & 6A ²
Language A Language and Literature HL ¹	GCCCD: 4 CSU: 4 UC: 5	GCCCD: 6 CSU: 6 UC: 5.3	GC: 3, Area C CSU GE: 3, Area C2 IGETC: 3, Area 3B & 6A ²
Language A1 Literature HL (any language)	GCCCD: 4 CSU: 4 UC: 5	GCCCD: 6 CSU: 6 UC: 5.3	GC: 3, Area C CSU GE: 3, Area C2 IGETC: 3, Area 3B
Language A2 Language and Literature (any language)	GCCCD: 4 CSU: 4 UC: 5	GCCCD: 6 CSU: 6 UC: 5.3	GC: 3, Area C CSU GE: 3, Area C2 IGETC: 3, Area 3B
Language B HL (any language)	GCCCD: 4 CSU: 4 UC: 5	GCCCD: 6 CSU: 6 UC: 5.3	GC: N/A CSU GE: N/A IGETC: 3, Area 6A
Mathematics HL: Analysis and Approaches	GCCCD: 4 CSU: 4 UC: 5	GCCCD: 6 CSU: 6 UC: 5.3	GC: 3, Area A3 CSU GE: 3, Area B4 IGETC: 3, Area 2A
Mathematics HL: Applications and Interpretation	GCCCD: 4 CSU: 4 UC: N/A	GCCCD: 6 CSU: 6 UC: N/A	GC: 3, Area A3 CSU GE: 3, Area B4 IGETC: 3, Area N/A
Physics HL	GCCCD: 5 CSU: 5 UC: 5	GCCCD: 6 CSU: 6 UC: 5.3	GC: 3, Area B2 - no lab CSU GE: 3, Area B1 - no lab IGETC: 3, Area 5A - no lab
Psychology HL	GCCCD: 5 CSU: 5 UC: 5	GCCCD: 3 CSU: 3 UC: 5.3	GC: 3, Area D CSU GE: 3, Area D IGETC: 3, Area 4
Theater HL	GCCCD: 4 CSU: 4 UC: 5	GCCCD: 6 CSU: 6 UC: 5.3	GC: 3, Area C CSU GE: 3, Area C1 IGETC: 3, Area 3A

Questions regarding the International Baccalaureate (IB) examination chart can be directed to Counselors. Please note that information

identified by "GC" is specific to Grossmont College. For examinations not on this list see the Articulation Officer.

¹ Please note that SDSU uses Language A HL (English) to satisfy RWS 100 and ENGL 220, see SDSU catalog "Academic Credit Through Examination" policies for more information.

² Score must be 5. All Languages including English receive IGETC 3B credit. All languages except English receive IGETC 6A credit.

References: CSU Chancellor's Office Memo Code: ASA-2019-03; Systemwide Credit for External Examinations, January 28, 2019; Memorandum ESS 22-200-003, March 21st, 2022.

Family Educational Rights and Privacy Act

Grossmont College accords to students all rights under the Family Educational Rights and Privacy Act. No one outside the institution shall have access to nor will the institution disclose any information from the students' education records without the written consent of students except to officials of other institutions in which students seek to enroll, to persons or organizations providing students financial aid, to accrediting agencies carrying out their accreditation function, to persons in compliance with a judicial order, and to persons in an emergency in order to protect the health or safety of students or other persons. At Grossmont College, only those employees acting in the students' educational interest are allowed access to student education records within the limitations of their need to know.

The Act provides students with the right to inspect and review information contained in their education records, to challenge the contents of their education records, to have a hearing if the outcome of the challenge is unsatisfactory, and to submit explanatory statements for inclusion in their files if the decisions of the hearing panels are unacceptable. The Dean of Admission and Records and Financial Aid has been designated by the institution to coordinate the inspection and review procedures for student education records.

For more information, please visit: <https://www.grossmont.edu/admissions/student-privacy-ferpa/>

Final Grades

California Education Code section 76224(a) states the following:

When grades are given for any course of instruction taught in a community college district, the grade given to each student shall be the grade determined by the instructor of the course and the determination of the student's grade by the instructor, in the absence of mistake, fraud, bad faith, or incompetency, shall be final.

Questions regarding a final grade must be brought to the attention of the appropriate divisional dean within one year of the issuance of the grade.

Grade Forgiveness

Forgiveness as defined by Grossmont College is the intentional omission of courses in which D or F grades are earned when computing Grade Point Average (GPA) for granting of degrees.

Under the Grossmont College forgiveness policy, degree candidates must meet all the requirements as stated in the College catalog with the following exception:

Any course in which a D or F grade is earned may be forgiven without repeating if that particular course is not being used to meet a degree requirement.

The Grossmont College forgiveness policy is used only when a student has less than a 2.0 grade point average and will automatically be applied upon completion of the student's last semester. This policy does not affect grade point averages used by other colleges or universities.

Grade Forgiveness cannot be applied for students earning AA-T/AS-T degrees.

Grading System and Notations

Grades are earned in each course and recorded on a semester basis on the student's permanent record. A copy of the permanent record is the transcript. Grades should be interpreted as follows:

Grade	Meaning
A+	Excellent
A	
A-	
B+	
B	Good
B-	
C+	
C	Satisfactory
D	Passing, less than satisfactory
F	Failing
W	Withdrawal (issued to students who withdraw before the final drop deadline). Students who are enrolled after the final drop date must receive a letter grade (A-F).
EW	Excused Withdrawal: The "EW" symbol may be used as described in, and in accordance with Title 5, section 55024.

(1) "Excused Withdrawal" (EW) occurs when a student is permitted to withdraw from a course(s) due to specific events beyond the control of the student affecting his or her ability to complete a course(s) and may include a job transfer outside the geographical region, an illness in the family where the student is the primary caregiver, when the student who is incarcerated in a California state prison or county jail is released from custody or involuntarily transferred before the end of the term, when the student is the subject of an immigration action, or other extenuating circumstances as described in (a)(2), making course completion impracticable. In the case of an incarcerated student, an excused withdrawal cannot be applied if the failure to complete the course(s) was the result of a student's behavioral violation or if the student requested and was granted a mid-semester transfer. Upon verification of these conditions and consistent with the district's required documentation substantiating the condition, an excused withdrawal symbol may be assigned at any time after the period established by the governing board during which no notation is made for withdrawals. The withdrawal symbol so assigned shall be an "EW."

(2) Excused withdrawal shall not be counted in progress probation and dismissal calculations.

(3) Excused withdrawal shall not be counted toward the permitted number of withdrawals or counted as an enrollment attempt.

(4) In no case may an excused withdrawal result in a student being assigned an "FW" grade.

MW

Military Withdrawal awarded to active or reserve military personnel upon receipt of military orders compelling a withdrawal from courses.

P

Pass is equal to a "C" grade or higher and units are not calculated in GPA. (formerly Credit)

NP No Pass is equal to less than a “C” grade. Units are not calculated in GPA. Pass or No Pass may be assigned only if the course is indicated as pass/ no pass or if the student has elected this option. (formerly No Credit)

I Incomplete - Incomplete academic work for unforeseeable, emergency and justifiable reasons at the end of the term, may result in an “I” symbol being entered in the student’s record. An incomplete grade may be given only after the student has contacted the instructor; awarding of an “I” is at the discretion of the instructor.

The “I” may be made up no later than one semester following the end of the term in which it was assigned. The “I” symbol shall not be used in calculating units attempted nor for grade points. A student may petition for extension of the time limit for removal of the incomplete. The petition must include evidence of approval from the instructor.

Both the instructor and the student must complete and sign the Incomplete Grade Contract form. Procedural details are printed on the back of that form and under the catalog section titled Incomplete Grades.

IP In progress - The IP symbol indicates that work is “in progress,” but that assignment of a grade must wait its completion. The IP symbol shall remain on the student’s permanent record in order to satisfy enrollment documentation. The appropriate grade and unit credit shall be assigned and will appear on the student’s permanent record for the term in which the course is completed. The IP shall not be used in calculating grade point averages.

RD Report Delayed - The RD symbol may be assigned by the Admissions and Records Office only. It is to be used when there is a delay in reporting the grade of a student due to circumstances beyond the control of the student. It is a temporary notation to be replaced by a permanent symbol as soon as possible. “RD” is not used in calculating GPA.

P, NP, W, EW, MW, I, IP and RD grades are not used in computation of grade point average but the W, NP and I are used for purposes of progress alert and disqualification status.

Grade Point Average

Academic achievement is reported in terms of grade point average (GPA). This is derived from the following weighting system:

Grade	Grade Points per Unit Earned
A+	4.0 grade points per unit earned
A	4.0 grade points per unit earned
A-	3.7 grade points per unit earned
B+	3.3 grade points per unit earned
B	3.0 grade points per unit earned
B-	2.7 grade points per unit earned
C+	2.3 grade points per unit earned
C	2.0 grade points per unit earned
D	1.0 grade points per unit earned
F	0.0 grade points per unit earned

Grade point average is computed by dividing total units attempted into total grade points earned. Decisions on probation and dismissal, scholarship, eligibility for graduation, and transfer are all influenced or determined by grade point average; hence, students should pay constant attention to their own grade point standing.

Honors

Vice President’s List and President’s List

Students carrying 12 or more units at Grossmont College in which letter grades are earned (P not included) and maintaining a 3.5 or higher grade point average are placed on the **Vice President’s List**. Students maintaining a 4.0 grade point average are placed on the **President’s List**.

Students carrying less than 12 units at either Grossmont College or Cuyamaca College, but carrying 12 or more total units in which letter grades are earned (P not included) at Grossmont and Cuyamaca combined and maintaining a combined grade point average of 3.5 are placed on the **District Vice President’s List**. Students maintaining a 4.0 grade point average are placed on the **District President’s List**.

Part-time students are eligible for the **Vice President’s List** if they:

1. complete 12 units in one academic year (fall and spring semesters) with a grade point average of 3.5 or higher and
2. are enrolled in fewer than 12 units per semester.

Graduation With Honors

Students who have earned a 3.5 or higher GPA on all degree applicable work attempted graduate with honors.

Official transcripts from all colleges attended must be on file in the Admissions and Records Office. However, if you are below a 3.5 overall GPA and if no course work on a transcript from another college is used to meet any degree requirement, students may exclude that entire transcript from being used to compute their overall GPA for graduation. Students electing this option need to make this request at the time they file the Request for Associate Degree form in the Admissions and Records Office. This option only applies to the GPA used to determine graduation with honors from Grossmont College and is not used to determine eligibility for honors for commencement. It will not affect transfer GPA and other

colleges and universities may not calculate GPA for honors status the same way.

Honors Program

The Grossmont College Honors Program is intended to promote academic excellence in students who are intellectually gifted, academically well-prepared, highly motivated, unusually creative, or especially talented.

In the program, students who desire additional challenge will take part in a spirited learning process that is designed to provide greater breadth and depth than is generally available in the regular program. In addition, participation in the program may increase students' ability to transfer to four-year universities of their choice or to obtain employment in the occupational fields for which they are preparing.

Students interested in pursuing honors study at Grossmont College should consult the appropriate faculty member, department chairperson or coordinator and/or the division dean of the area in which they desire to study.

Incomplete Grades

An Incomplete (I) grade may be awarded at the discretion of the instructor when all the following conditions exist:

1. The student has contacted the instructor of his/her course and both have agreed to the provisions established in the Incomplete Grade Contract.
2. The student has had an unforeseen emergency that prevents him/her from completing the remaining course work. Evidence to verify the emergency may be required.
3. The student has completed a minimum of 50% of the required course work, as specified in the course syllabus, with regular attendance, and there is still the possibility of earning a passing grade.

The student is responsible for acknowledging the following:

1. Completing the coursework as outlined in the Incomplete Grade Contract. Upon satisfactory completion, the instructor will replace the "I" with a grade.
2. The "I" is not used in calculating GPA or units.
3. The "I" cannot be cleared by re-enrolling in the course.
4. The grade earned on the portion of work completed for the course (as specified in the course syllabus) must be used to calculate the final grade for the course.
5. A signed Incomplete Grade Contract in which the student agrees to complete remaining coursework, must be filed by the instructor. In the case of an extreme emergency where the student is unable to meet with the instructor, the instructor may initiate and file the Incomplete Grade Contract, sending a copy to the student for signature. The contract is invalid without both instructor and student signatures. Without the student's signature, the I will revert to the default grade at the end of the following semester.
6. Class time and/or assignments outlined in the Incomplete Grade Contract must be completed by the end of the 16-week semester following the date on the contract. If not, the "I" will revert to the default grade assigned on the Incomplete Grade Contract.
7. An extension of time for removal of the "I" must be petitioned by the student. The petition must include evidence of approval from the instructor.

8. In the event that the original instructor of record on the Incomplete Grade Contract is unavailable, the student must see the appropriate department chair or dean for alternate arrangements.

Limitations on Enrollment

(Courses Related in Content)

As required by Title 5, California Code of Regulations, Section 55040 (c), student enrollment in active participatory courses in physical education, visual arts or performing arts that are related in content is limited to no more than four times for semester-length courses. This limitation applies even if a student receives a substandard grade or "W" during one or more of the enrollments in such a course or petitions for repetition due to extenuating circumstances. Both Grossmont and Cuyamaca Colleges have created "course families" to address this limitation. These families include courses that have been determined by the individual departments in the district to have related or similar content. Students can have a maximum of four (4) enrollments total amongst courses that are in a family. A student who has reached the maximum number of enrollments in a family cannot enroll in any course within that same family again in the Grossmont-Cuyamaca Community College District.

Studio Arts / Digital Art / Photography Families

Courses Related in Content

Maximum four (4) attempts for any family group.

An attempt includes:

- Completion
- Final grade resulting in a "W" or "NP" or "F"
- Incomplete

Studio Arts Foundations

Course	Grossmont College	Cuyamaca College
ART 120	ART-120	ART-120
ART 129	ART-129	ART-129
ART 148		ART-148

Ceramics Foundations

Course	Grossmont College	Cuyamaca College
ART 126	ART-126	
ART 127	ART-127	
ART 128	ART-127	

Ceramics: Concepts and Practices

Course	Grossmont College	Cuyamaca College
ART 136	ART-136	
ART 226	ART-226	
ART 227	ART-227	

Digital Arts Foundations

Course	Grossmont College	Cuyamaca College
ART 171	ART-171	
ART 172	ART-172	
ART 175	ART-175	
GD 105		GD-105
GD 126		GD-126

Digital Art: Drawing and Illustration

Course	Grossmont College	Cuyamaca College
ART 177	ART-177	
ART 184	ART-184	
ART 240	ART-240	
GD 225		GD-225

Drawing Foundations

Course	Grossmont College	Cuyamaca College
ART 124	ART-124	ART-124
ART 125	ART-125	ART-125
ART 224		ART-224
ART 225		ART-225
ART 241		ART-241
ART 242		ART-242

Human Figure Drawing

Course	Grossmont College	Cuyamaca College
ART 230	ART-230	ART-230
ART 231	ART-231	ART-231
ART 232		ART-232
ART 233		ART-233
ART 240	ART-240	

Printmaking

Course	Grossmont College	Cuyamaca College
ART 210	ART-210	
ART 211	ART-211	

Painting Foundations

Course	Grossmont College	Cuyamaca College
ART 121	ART-121	ART-121
ART 220	ART-220	ART-220
ART 221	ART-221	ART-221
ART 222	ART-222	ART-222

Watercolor Painting

Course	Grossmont College	Cuyamaca College
ART 135		ART-135
ART 235		ART-235
ART 236		ART-236

Photography Foundations

Course	Grossmont College	Cuyamaca College
PHOT 150	PHOT-150	
PHOT 151	PHOT-151	
GD 210		GD-210
GD 211		GD-211
GD 212		GD-212

Photography Concepts & Contemporary Practices

Course	Grossmont College	Cuyamaca College
PHOT 152	PHOT-152	
PHOT 252	PHOT-252	

Sculpture Foundations

Course	Grossmont College	Cuyamaca College
ART 130	ART-130	
ART 229	ART-229	
ART 280	ART-280	

Sculpture Fabrication and Practices

Course	Grossmont College	Cuyamaca College
ART 281	ART-281	
ART 282	ART-282	

Jewelry Design

Course	Grossmont College	Cuyamaca College
ART 131	ART-131	
ART 132	ART-132	
ART 133	ART-133	

Dance Families**Courses Related in Content**

Maximum four (4) attempts for any family group.

An attempt includes:

- Completion
- Final grade resulting in a "W" or "NP" or "F"
- Incomplete

Ballet

Course	Grossmont College	Cuyamaca College
DANC 088A	DANC-088A	
DANC 088B	DANC-088B	
DANC 088C	DANC-088C	
DANC 088D	DANC-088D	

Jazz Dance

Course	Grossmont College	Cuyamaca College
DANC 084A	DANC-084A	
DANC 084B	DANC-084B	
DANC 084C	DANC-084C	
DANC 084D	DANC-084D	

Modern Dance

Course	Grossmont College	Cuyamaca College
DANC 080A	DANC-080A	
DANC 080B	DANC-080B	
DANC 080C	DANC-080C	
DANC 080D	DANC-080D	

Tap Dance

Course	Grossmont College	Cuyamaca College
DANC 081A	DANC-081A	
DANC 081B	DANC-081B	
DANC 081C	DANC-081C	
DANC 081D	DANC-081D	

Hip Hop

Course	Grossmont College	Cuyamaca College
DANC 094A	DANC-094A	
DANC 094B	DANC-094B	
DANC 094C	DANC-094C	
DANC 094D	DANC-094D	

Studio Workshop in Dance - Modern/Tap/Jazz

Course	Grossmont College	Cuyamaca College
DANC 071A	DANC-071A	
DANC 071B	DANC-071B	
DANC 072A	DANC-072A	
DANC 072B	DANC-072B	
DANC 074A	DANC-074A	
DANC 074B	DANC-074B	

Studio Workshop in Dance - Ballet/Pointe

Course	Grossmont College	Cuyamaca College
DANC 078A	DANC-078A	
DANC 078B	DANC-078B	
DANC 099A	DANC-099A	
DANC 099B	DANC-099B	
DANC 099C	DANC-099C	

Choreography/Student Choreography

Course	Grossmont College	Cuyamaca College
DANC 223	DANC-223	
DANC 224	DANC-224	
DANC 225	DANC-225	

Ballroom/Ethnic Dance

Course	Grossmont College	Cuyamaca College
DANC 082A	DANC-082A	
DANC 082B	DANC-082B	

Conditioning/Stretch

Course	Grossmont College	Cuyamaca College
DANC 118A	DANC-118A	
DANC 118B	DANC-118B	
DANC 118C	DANC-118C	
DANC 118D	DANC-118D	

Teaching Practicum

Course	Grossmont College	Cuyamaca College
DANC 121	DANC-121	
DANC 122	DANC-122	
DANC 123	DANC-123	

Production/Performance - Mentored Student Choreography

Course	Grossmont College	Cuyamaca College
DANC 201	DANC-201	
DANC 202	DANC-202	
DANC 203	DANC-203	

Production/Performance - Faculty Choreography

Course	Grossmont College	Cuyamaca College
DANC 227	DANC-227	
DANC 228	DANC-228	
DANC 229	DANC-229	
DANC 230	DANC-230	

Exercise Science and Wellness Families**Courses Related in Content**

Maximum four (4) attempts for any family group.

An attempt includes:

- Completion
- Final grade resulting in a "W" or "NP" or "F"
- Incomplete

Total Body Fitness

Course	Grossmont College	Cuyamaca College
ES 004ABC	ES-004A, ES-004B, ES-004C	
ES 006ABC	ES-006A, ES-006B, ES-006C	
ES 011		ES-011
ES 019ABC		ES-019A, ES-019B, ES-019C
ES 021ABC	ES-021A, ES-021B, ES-021C	
ES 022	ES-022	
ES 024ABC	ES-024A, ES-024B, ES-024C	

Mind/Body & Flexibility Fitness

Course	Grossmont College	Cuyamaca College
ES 013		ES-013
ES 026	ES-026	
ES 027ABC	ES-027A, ES-027B, ES-027C	
ES 028ABC	ES-028A, ES-028B, ES-028C	ES-028A, ES-028B, ES-028C

Muscle Development

Course	Grossmont College	Cuyamaca College
ES 005ABC	ES-005A, ES-005B, ES-005C	
ES 014ABC		ES-014A, ES-014B, ES-014C
ES 023ABC	ES-023A, ES-023B, ES-023C	

Cardiovascular Fitness

Course	Grossmont College	Cuyamaca College
ES 007ABC	ES-007A, ES-007B, ES-007C	
ES 008ABC	ES-008A, ES-008B, ES-008C	
ES 009ABC		ES-009A, ES-009B, ES-009C

ES 010		ES-010
ES 016ABC	ES-016A, ES-016B, ES-016C	
ES 017ABC	ES-017A, ES-017B, ES-017C	

Combative Sports

Course	Grossmont College	Cuyamaca College
ES 180	ES-180	ES-180
ES 185ABC	ES-185A, ES-185B, ES-185C	

Racquet Sports

Course	Grossmont College	Cuyamaca College
ES 060ABC	ES-060A, ES-060B, ES-060C	ES-060A, ES-060B, ES-060C
ES 061ABC	ES-061A, ES-061B, ES-061C	
ES 076ABC	ES-076A, ES-076B, ES-076C	ES-076A, ES-076B, ES-076C

Individual Sports

Course	Grossmont College	Cuyamaca College
ES 012		ES-012
ES 037	ES-037A, ES-037B, ES-037C	
ES 125ABC	ES-125A, ES-125B, ES-125C	ES-125A, ES-125B, ES-125C
ES 130ABC	ES-130A, ES-130B, ES-130C	

Team Sports/Gym

Course	Grossmont College	Cuyamaca College
ES 155ABC	ES-155A, ES-155B, ES-155C	ES-155A, ES-155B, ES-155C
ES 175ABC	ES-175A, ES-175B, ES-175C	ES-175A, ES-175B, ES-175C

Team Sports/Field

Course	Grossmont College	Cuyamaca College
ES 170ABC	ES-170A, ES-170B, ES-170C	ES-170A, ES-170B, ES-170C
ES 171ABC	ES-171A, ES-171B, ES-171C	ES-171A, ES-171B, ES-171C
ES 172ABC	ES-172A, ES-172B, ES-172C	
ES 176ABC	ES-176A, ES-176B, ES-176C	

Aquatic Cardiovascular Fitness

Course	Grossmont College	Cuyamaca College
ES 040ABC	ES-040A, ES-040B, ES-040C	
ES 044ABC	ES-044A, ES-044B, ES-044C	

Aquatics

Course	Grossmont College	Cuyamaca College
ES 039	ES-039	
ES 043ABC	ES-043A, ES-043B, ES-043C	

Music Families**Courses Related in Content**

Maximum four (4) attempts for any family group.

An attempt includes:

- Completion
- Final grade resulting in a “W” or “NP” or “F”
- Incomplete

Vocal Ensembles

Course	Grossmont College	Cuyamaca College
MUS 136		MUS-136
MUS 137		MUS-137
MUS 236		MUS-236
MUS 237		MUS-237
MUS 138	MUS-138	
MUS 139	MUS-139	
MUS 238	MUS-238	
MUS 239	MUS-239	
MUS 158		MUS-158
MUS 159		MUS-159
MUS 258		MUS-258
MUS 259		MUS-259

Jazz/Popular Ensembles

Course	Grossmont College	Cuyamaca College
MUS 108		MUS-108
MUS 109		MUS-109
MUS 208		MUS-208
MUS 209		MUS-209
MUS 156	MUS-156	MUS-156
MUS 157	MUS-157	MUS-157
MUS 256	MUS-256	MUS-256
MUS 257	MUS-257	MUS-257
MUS 166	MUS-166	
MUS 167	MUS-167	
MUS 266	MUS-266	
MUS 267	MUS-267	

Non-Western Ensembles

Course	Grossmont College	Cuyamaca College
MUS 154	MUS-154	
MUS 155	MUS-155	
MUS 254	MUS-254	
MUS 255	MUS-255	
MUS 142	MUS-142	
MUS 143	MUS-143	

MUS 242	MUS-242
MUS 243	MUS-243

Large Instrumental Ensembles

Course	Grossmont College	Cuyamaca College
MUS 148	MUS-148	
MUS 149	MUS-149	
MUS 248	MUS-248	
MUS 249	MUS-249	
MUS 150	MUS-150	
MUS 151	MUS-151	
MUS 250	MUS-250	
MUS 251	MUS-251	
MUS 152	MUS-152	MUS-152
MUS 153	MUS-153	MUS-153
MUS 252	MUS-252	MUS-252
MUS 253	MUS-253	MUS-253

Musical Theatre Ensembles

Course	Grossmont College	Cuyamaca College
MUS 164	MUS-164	
MUS 165	MUS-165	
MUS 264	MUS-264	
MUS 265	MUS-265	

Theatre Arts Families

Courses Related in Content

Maximum four (4) attempts for any family group.

An attempt includes:

- Completion
- Final grade resulting in a "W" or "NP" or "F"
- Incomplete

Course	Grossmont College	Cuyamaca College
THTR 102 A, B, C, D	THTR-102A, THTR-102B, THTR-102C, THTR-102D	
THTR 103 A, B, C, D	THTR-103A, THTR-103B, THTR-103C, THTR-103D	
THTR 104 A, B, C, D	THTR-104A, THTR-104B, THTR-104C, THTR-104D	
THTR 111 A, B, C, D	THTR-111A, THTR-111B, THTR-111C, THTR-111D	
THTR 112 A, B, C, D	THTR-112A, THTR-112B, THTR-112C, THTR-112D	
THTR 113 A, B, C, D	THTR-113A, THTR-113B, THTR-113C, THTR-113D	
THTR 122 A, B, C, D	THTR-122A, THTR-122B, THTR-122C, THTR-122D	

THTR 123 A, B, C, D	THTR-123A, THTR-123B, THTR-123C, THTR-123D
THTR 124 A, B, C, D	THTR-124A, THTR-124B, THTR-124C, THTR-124D
THTR 145	THTR-145
THTR 146	THTR-146
THTR 147	THTR-147
THTR 148	THTR-148

Pass/No Pass

(Formerly Credit/ No Credit)

Pass/No Pass (P/NP) is a grading system where such units earned will be counted in satisfaction of curricular requirements but will be disregarded in determining a student's grade point average.

A "P" grade shall represent at least a satisfactory completion ("C" grade) of course requirements. A "NP" grade shall represent unsatisfactory completion of course requirements. Course work that would have received a "D" or "F" will be graded "No Pass" (NP). "NP" grades will be taken into consideration in the determination of lack-of-progress probation and disqualification status.

Students intending to transfer to four-year colleges or universities should check the specific policies of those institutions pertaining to the transferability of "P" grades. Similarly, it is highly recommended that students complete their major or area of emphasis coursework with a letter grade ("A," "B," or "C"). For more information and to review the options, students are encouraged to meet with a counselor.

Pass No Pass Grading Policy

A maximum of 12 credit units earned at Grossmont College with "P" grades may be counted toward satisfaction of curriculum requirements for Associate Degrees and Certificates. Pass grades received from other accredited institutions, as well as credits authorized for military courses and Advanced Placement examinations, may be applied as well.

There are courses in which "P/NP" grades are used exclusively; these are designated in the catalog course description by the statement "P/ NP Only." In addition, there are courses that cannot be taken on a "P/NP" basis. Some courses may be taken for either "P/NP" or "Letter Grade." Credit units earned in "P/NP Only" courses are exempt from the 12-unit restriction.

Students electing to be graded on a "P/NP" basis shall establish that option in writing by completing a "Pass/No Pass Request form" and submitting to Admissions and Records. The form may be submitted for term length and short-term courses up to the last day of instruction of the requested course. A student may elect to reverse their action up until the last day of instruction of the requested course. Once the last day of instruction has passed, the decision is irrevocable.

Prerequisites

A *prerequisite* is a condition of enrollment that a student is required to meet in order to demonstrate current readiness for enrollment in a course or educational program.

A **corequisite** is a condition of enrollment consisting of a course that a student is required to simultaneously take in order to enroll in another course.

An **advisory on recommended preparation** is a condition of enrollment that a student is advised, but not required, to meet before or in conjunction with enrollment in a course or educational program.

All courses shall be open for enrollment to any student who has been admitted to the college, except that students may be required to meet necessary and valid prerequisites. In addition, the District may also limit enrollment in a course based on health and safety considerations, facility limitations, or legal requirements imposed by statute or regulations.

A student who does not meet a prerequisite or corequisite or who is not permitted to enroll due to a limitation on enrollment but who provides satisfactory evidence may seek entry into the course as follows:

1. If space is available in a course when a student files a challenge to the prerequisite, corequisite, or advisory on recommended preparation, the College shall reserve a seat for the student and resolve the challenge within five (5) working days. If the challenge is upheld or the College fails to resolve the challenge within the five (5) working day period, the student shall be allowed to enroll in the course.
If no space is available in the course when the challenge is filed, the challenge shall be resolved prior to the beginning of registration for the next term and, if the challenge is upheld, the student shall be permitted to enroll if space is available when the student registers for that subsequent term.
2. Grounds for challenge are:
 - a. The prerequisite or corequisite has not been established in accordance with the College's process for establishing prerequisites and corequisites;
 - b. The prerequisite or corequisite is in violation of Title 5 regulations (Section 55201);
 - c. The prerequisite or corequisite is either unlawfully discriminatory or is being applied in an unlawfully discriminatory manner;
 - d. The student has the knowledge or ability to succeed in the course or program despite not meeting the prerequisite or corequisite;
 - e. The student will be subject to undue delay in attaining the goal of his or her Student Educational Plan because the prerequisite or corequisite course has not been made reasonably available. If other courses are available which meet the same requirement, the student is not being delayed. There is no obligation to honor the student's preference.
 - f. The student has not been allowed to enroll in a course due to a limitation on enrollment established for (a) a course that involves intercollegiate competition or public performance, or (b) a course limited to a cohort of students. The student shall be allowed to enroll if otherwise he or she would be delayed by a semester in attaining the degree or certificate specified in his or her Student Educational Plan.
 - g. The student seeks to enroll in a course which has a prerequisite established to protect health and safety, and the student demonstrates that he or she does not pose a threat to himself or herself or others.
3. The student has the obligation to provide satisfactory evidence that the challenge should be upheld. However, where facts essential to the determination of whether the student's challenge should be upheld

or ought to be in the College's own records, then the College has the obligation to produce that information.

Challenges to a prerequisite should be filed with the Vice President of Academic Affairs. All challenges will be resolved by a committee consisting of the Vice President of Academic Affairs, the Dean of Counseling and the Department Chair or Coordinator of the course with the prerequisite in question.

Students wishing to challenge prerequisites for any other reason should do so using the Student Due Process Procedures listed in this publication.

Probation and Dismissal

Grades earned at other schools prior to admission to District colleges shall not be considered in determining probationary status. Students should be aware that Financial Aid Satisfactory Academic Progress (SAP) standards may differ from these policies. Priority registration is lost when a student has been on academic and/or progress probation for two consecutive semesters.

California College Promise Grant (formerly known as the BOG Fee Waiver) eligibility may also be lost when a student has been on academic or progress probation for two consecutive primary terms. For more information on the Loss of California College Promise Grant eligibility, how the regulations relate to the following academic standards and possible exemptions, please go to: <https://www.grossmont.edu/financial-aid/grants/california-college-promise-grant.php>.

Probation

1. Academic Probation

Any student who has attempted a minimum of 12 semester units and whose cumulative college grade point average falls below 2.0 in courses receiving letter grades for work attempted at a college within the district shall be placed on academic probation at the college where the units were attempted.

2. Lack-of-Progress Probation

Any student who has enrolled in a cumulative total of at least 12 semester units at a college in the district shall be placed on probation when the student's cumulative units indicate 50 percent or more units of W, I, and/or NP at the college where the units were attempted.

3. Removal from Probation

- a. Any student placed on academic probation shall be removed from probation when the cumulative grade point average at the college where the student has been on probation has improved to 2.0.
- b. Any student placed on lack-of-progress probation shall be removed from probation when the cumulative units of W, I, or NP recorded at the college where the student has been on probation are less than 50 percent of the total units attempted.

Dismissal

Any student dismissed from a college within the Grossmont-Cuyamaca Community College District may not attend any college within the district during the next consecutive semester. The student may, however, attend the next consecutive summer term or spring intersession.

Special circumstances exist for dismissals after the fall semester due to the fact that students traditionally enroll before fall grades are available. Dismissal letters will be sent no later than late January informing them that:

If they are enrolled for spring semester, their spring registration will be revoked.

If they are not enrolled in the spring semester, they have the right to petition for readmission.

1. Academic Dismissal

Any student on academic probation whose semester grade point average falls below 2.0 shall be academically dismissed. Any student on academic probation whose semester grade point average equals or exceeds 2.0 but whose cumulative grade point average for all units attempted remains below 2.0 shall be continued on probation.

2. Lack-of-Progress Dismissal

Any student who is on lack-of-progress probation and whose semester work indicates 50 percent or more units of W, I, or NP will be dismissed. Any student on lack-of-progress whose semester work indicates fewer than 50 percent units of W, I, or NP but whose cumulative records show 50 percent or more units of W, I, or NP will be continued on lack-of-progress probation.

Readmission

Any student dismissed may petition for readmission. The petition must be initiated at the college in which the dismissal occurred. A student who has not attended for one semester after dismissal will receive a registration appointment for the subsequent semester and be readmitted without petition.

Repetition of Courses

A student is not obligated to repeat a course which he/she has failed unless it is a course required for graduation, or for transfer, or is a prerequisite to another required course.

Substandard Work

A student may repeat any course in which a substandard final grade (D, F or NP) was earned. If the course is offered at both colleges in the district, the student may repeat the course at either college. Students will only be allowed to enroll in a course three times if they have received a substandard grade (D, F, NP, NC) or withdrew from the class with a "W" in the Grossmont District.

1. Students must submit a petition to the Admissions and Records Office to enroll in a course for the fourth time. Petitions will only be approved based on extenuating circumstances. Holds will be placed to ensure students complete the 4th attempt for a grade. Military withdrawals do not count in terms of repetition restrictions, nor do withdrawals that occur due to fire, flood or natural disaster (Title 5 Sections 55024 and 58509).
 - a. If the student elects to repeat the course at either college within the district, the original grade will be annotated. If a student repeats the course a second time, the first two grades will be annotated, and the last grade will be counted in the grade point average.
 - b. If the student elects to repeat the course in which the substandard grade was earned at another college outside the district, a petition will need to be filed with the appropriate college's Petition Committee for action.
2. Upon completion of a repeated course, the original grade will be annotated and removed from the cumulative totals on the transcript in such a manner that all work remains legible, insuring a true and complete academic history. Only the last grade will be included in determining GPA and academic standing, and only those units will

be counted toward graduation. No assurance can be provided that repeated course(s) will be treated in this manner by other institutions.

Special Circumstances

A student may not repeat a course in which a "C" or "Pass" grade or higher was earned except by petition under extenuating circumstances and the repeat must be needed to meet an educational objective. If such circumstances do exist, and the petition is approved, the grade earned in the repeated course shall be calculated in the student's GPA.

1. Students may submit a petition in the Admissions and Records office with supporting documentation of extenuating circumstances.
2. If the student attempts to repeat the course at the other college in the district, the student should file a petition with the Petitions Committee for action, at the appropriate campus where the repeated course will be taken.
3. A student with a disability may repeat a special class any number of times when an individualized determination verifies that such repetition is required as a disability-related accommodation.
4. A student may repeat a course in occupational work experience as long as he/she does not exceed the limits on the number of units of cooperative work experience. The grade received each time shall be included for purposes of calculating the student's GPA.
5. A student may repeat a course any number of times if it is determined to be legally mandated. Only the last grade will be included in determining GPA.
6. A student may repeat a course as a result of a significant change in industry or licensure standards such that repetition of the courses is necessary for employment or licensure. Only the last grade will be included in determining GPA.
7. A course may be repeated due to a significant lapse of time of no less than 36 months if there is an approved recency prerequisite for the course or program, or another institution of higher education to which the student seeks to transfer has established a recency requirement. Only the last grade will be included in determining GPA.

Precollegiate Basic Skills Coursework Limitations

Students may not receive credit for more than 30 units of precollegiate basic skills coursework. This limit shall not apply to the following students:

1. Students enrolled in one or more courses of English as a Second Language.
2. Students identified by a college in the District as having a disability.

As a result of placement research a student may be required to enroll in a concurrent support class during the semester in which they take a transfer level English or math course. Students may be granted a waiver to the limitation upon petition to a college in the District. (Petitions are available at Admission and Records) Waivers will be granted only when the student shows significant and measurable progress toward the development of skills necessary for college-level courses. Such waivers will be given only for a specified period of time or for a specified number of units.

Revision of Regulations

Any regulation adopted by the Governing Board of the Grossmont-Cuyamaca Community College District shall have the same force as a printed regulation in the catalog and shall supersede any ruling on the same subject which may appear in the printed catalog or official bulletin of the college.

Student Rights and Responsibilities

Student Code of Conduct

To ensure a safe campus community and provide a prompt and equitable means to address violations of the Grossmont-Cuyamaca Community College District Standards of Student Conduct, the Dean of Student Affairs, in conjunction with the President and Vice President of Student Services, administratively facilitate the Grossmont-Cuyamaca Community College District's Student Conduct Procedures for Grossmont College.

Grounds for Student Conduct Action

(These procedures also apply to distance education.)

Student conduct must conform to District and College rules and regulations. If a Student Code of Conduct violation occurs while a student is enrolled in any program of instruction or co-curricular offering within the District, to include distance education programs, he or she may be subject to Student Conduct Action for one or more of the following causes that must be District related. Except in response to conduct specified in subdivisions (g) and (h) of Section 76033, no student shall be removed, suspended, or expelled unless the conduct for which the student is disciplined is related to college activity or college attendance. This section is not intended to limit provisions of federal law, or limit the ability of community college districts to take appropriate action under federal law.

These categories of behavior are not intended to be an exhaustive list, but are examples of causes and are good and sufficient causes for Conduct, including but not limited to the removal, suspension, or expulsion of a student. Other misconduct not listed may also result in Conduct if good cause exists (Education Code Section 76033, 76034).

1. Causing, attempting to cause, or threatening to cause physical injury to another person.
2. Possession, sale or otherwise furnishing any firearm, knife, explosive, or other dangerous object, including but not limited to any facsimile firearm, knife, or explosive, unless, in the case of possession of any object of this type, the student has obtained written permission to possess the item from the Vice President of Student Services or designee.
3. Unlawful possession, use, sale, offer to sell, or furnishing, or being under the influence of, any controlled substance listed in California Health and Safety Code Sections 11053 et seq., an alcoholic beverage, or an intoxicant of any kind; or unlawful possession of, or offering, arranging or negotiating the sale of any drug paraphernalia, as defined in California Health and Safety Code Section 11014.5.
4. Committing or attempting to commit robbery or extortion.
5. Causing or attempting to cause damage to District property or to private property on campus.
6. Stealing or attempting to steal District property or private property on campus, or knowingly receiving stolen District property or private property on campus.
7. Willful or persistent smoking in any area where smoking has been prohibited by law or by regulation of the college or the District.
8. Committing sexual harassment as defined by law or by District policies and procedures.
9. Engaging in harassing or discriminatory behavior based on disability, gender, gender identity, gender expression, nationality, race or ethnicity, religion, sexual orientation or any other status protected by law.

10. Engaging in intimidating conduct or bullying against another student through words or actions, including direct physical contact; verbal assaults, such as teasing or name-calling; social isolation or manipulation; and cyberbullying.
11. Willful misconduct that results in injury or death to a student or to District personnel or which results in cutting, defacing, or other injury to any real or personal property owned by the District or on campus.
12. Disruptive behavior, willful disobedience, habitual profanity or vulgarity, or the open and persistent defiance of the authority of, or persistent abuse of, college personnel.
13. Cheating, plagiarism (including plagiarism in a student publication), or engaging in other academic dishonesty as defined by the College's academic integrity standards.
14. Dishonesty; forgery; alteration or misuse of District documents, records or identification; or knowingly furnishing false information to the District.
15. Unauthorized entry upon or use of District facilities.
16. Lewd, indecent or obscene conduct or expression on District-owned or controlled property, or at District sponsored or supervised functions.
17. Engaging in expression which is obscene, libelous or slanderous, or which so incites students as to create a clear and present danger of the commission of unlawful acts on District premises, or the violation of lawful District regulations, or the substantial disruption of the orderly operation of the District.
18. Persistent, serious misconduct where other means of correction have failed to bring about proper conduct.
19. Unauthorized preparation, giving, selling, transfer, distribution, or publication, for any commercial purpose, of any contemporaneous recording of an academic presentation in a classroom or equivalent site of instruction, including but not limited to handwritten or typewritten class notes, except as permitted by any district policy or administrative procedure.
20. Engaging in physical or verbal intimidation or harassment of such severity or pervasiveness as to have the purpose or effect of unreasonably interfering with a student's academic performance, or District employee's work performance, or of creating an intimidating, hostile or offensive educational or work environment.
21. Engaging in physical or verbal disruption of instructional or student services activities, administrative procedures, public service functions, authorized curricular or co-curricular activities or prevention of authorized guests from carrying out the purpose for which they are on District property.
22. Sexual assault and sexual exploitation as defined in Education Code section 76033(g), (h).
23. Misconduct where good cause exists (Education Code Section 76033).

District students who engage in any of the above are subject to the procedures outlined herein as authorized by AP 5520 Student Conduct Procedures.

Types of Student Conduct Action

Student Conduct actions that may be imposed for violations of the Student Code of Conduct include the following:

Warning: Written or oral notice to the student that continuation or repetition of misconduct may be cause for further Student Conduct action.

Student Conduct Probation: Specific period of conditional participation in campus and academic affairs that may involve exclusion from designated privileges or extracurricular activities. If a student violates any condition of probation, or is charged a second time with a violation of the Standards of Student Conduct during the probationary period, it shall be grounds for revocation of the student's probationary status and for further Student Conduct action to be taken in accordance with these procedures.

Sexual Assault

For sexual assault emergencies, contact 911.

If you are a victim of sexual assault (rape, sexual violence or stalking), please contact the Office of Student Affairs at 619-644-7600 or visit Griffin Center (building 60), room 204. Student Affairs will provide students with the resources and support needed during this time. In addition, students will be provided guidance on reporting options. For all emergencies, please contact 911.

Any sexual assault or physical abuse, including, but not limited to, rape, as defined by California law, whether committed by an employee, student, or member of the public, occurring on Grossmont-Cuyamaca Community College District property, in connection with all the academic, educational, extracurricular, athletic, and other programs of the District, whether those programs take place in the District's facilities or at another location, or on an off-campus site or facility maintained by the District, or on grounds or facilities maintained by a student organization, is a violation of District policies and regulations, and is subject to all applicable punishment, including criminal procedures and employee or student conduct procedures (AP3540).

Student Grievance and Due Process

The Student Grievance and Due Process procedures are designed to provide a prompt and equitable process for addressing student allegations of an unjustified action or decision by a member of the campus community. It is the responsibility of the student to provide proof of the alleged unfair or improper action which affected his or her status, right or privileges.

For additional information including applicable timelines, and/or a copy of the Student Grievance and Due Process Procedure publication, please contact the Student Affairs office at (619) 644-7600. Information can be found online at: <https://www.grossmont.edu/student-support/student-affairs/student-rights-and-responsibilities.php>

Process Summary

Step 1: The student contacts the individual he/she believes has committed an unfair or improper action in order to convey his/her concern and seek a solution.

Step 2: If the issue is not resolved by an informal discussion, the student contacts the individual's immediate supervisor, chair, or coordinator for possible resolution of the matter.

Step 3: If the matter is still not resolved the student contacts the appropriate administrative dean's office for possible resolution of the issue.

Step 4: If the student and dean are unable to resolve the issue, the student can contact the Dean of Student Affairs to discuss student due process rights and the grievance procedures.

The student should maintain a record of all correspondence, meetings and discussions in each step of the resolution process.

If the issue in question is a grade for a course see Final Grades section.

Complaint Process

Grossmont College takes pride in providing quality service. Whenever possible, complaints are handled locally/departmentally and are routed through the next review level as necessary. The desired outcome of this process is that the complaint be resolved at the most local level with an opportunity for the complainant to pursue the matter at the next highest level if the proposed solution is not satisfactory or if no resolution is possible. More information about the college-wide complaint process is available online (<https://www.grossmont.edu/>; keyword: complaint) or via the Student Affairs Office.

Although it is our goal to resolve complaints at the campus level, there may be times when a complainant is not satisfied with the outcome. In these situations, the complainant is encouraged to contact the California Community College Chancellor's Office at <https://www.cccco.edu/Complaint-Process-Notice>).

To submit a complaint pertaining to the institution's compliance with academic program quality and accrediting standards, please submit the information to the Accrediting Commission for Community and Junior Colleges (ACCJC), which accredits the academic programs of the California Community Colleges. The link to submit your complaint may be found at: <https://www.accjc.org/complaint-process> (<https://www.accjc.org/complaint-process/>).

Student Right-to-Know Rates for Fall 2018 Cohort

Completion Rate: 29.60 %

Transfer Rate: 11.87 %

In compliance with the Student Right-to-Know and Campus Security Act of 1990 (Public Law 101-542), it is the policy of our college district to make available its completion and transfer rates to all current and prospective students. Beginning in Fall 2018, a cohort of all certificate-, degree-, and transfer-seeking first-time, full-time students were tracked over a three year period. Their completion and transfer rates are listed above. These rates do not represent the success rates of the entire student population at the College nor do they account for student outcomes occurring after this three year tracking period.

Based upon the cohort defined above, a Completer is a student who attained a certificate or degree or became 'transfer prepared' during a three year period, from Fall 2018 to Spring 2021. Students who have completed 60 transferable units with a GPA of 2.0 or better are considered 'transfer prepared'. Students who transferred to another post-secondary institution, prior to attaining a degree, certificate, or becoming 'transfer prepared' during a five semester period, from Spring 2019 to Spring 2021, are transfer students.

Unit Value and Student Load

A conventional college unit of credit represents three hours of the student's time each week for one semester: one hour in scheduled classroom lecture or discussion and two hours in outside preparation. For laboratory, the college unit represents three hours of work in a laboratory or in a comparable experience under classroom supervision. Unit value may differ in certain courses where work experience is involved.

The maximum number of units in which a student may enroll is 18. Overloads (no more than two additional units) must be approved by a counselor. Requests for excessive unit overloads (21 or more units) will

require an appointment with the Dean of Counseling Services. A copy of all college transcripts will be reviewed prior to the appointment.

students must enroll in an official work experience course and follow all regulations as specified in Title 5, Section 55254.

Minimum Load

The college does not specify a minimum load except when the student desires to meet certain requirements such as:

1. Certification to the Department of Health, Education and Welfare that the student is attending full-time. Requirement: 12 or more units per semester, but a student should average 30 units per year.
2. The load requirements for Chapters 31, 32 and 34 (Veterans) and for Chapter 35 (War Orphans and Widows) are:

Time	Units
Fall/Spring Semester	
Full-time	12
Three-fourths time	9-11.5
One-half time	6-8.5
Summer Session	8

Calculated on an individual class basis. Contact the Veterans Office on campus for detailed information.

3. The load requirements for Financial Aid students are:

Time	Units
Fall/Spring/Summer Semester	
Full-time	12
Three-fourths time	9-11.5
One-half time	6-8.5
Less than one-half time	5-5.5

4. Full-time load to maintain status as an "F-1" visa international student. Requirement: 12 or more units per semester.
5. Eligibility to participate in Pacific Coast Conference intercollegiate athletics. Requirement: 12 or more units in courses for which **new** units of credit may be earned. Students should see Pacific Coast Conference and Grossmont College regulations for additional requirements.
6. Eligibility to participate in student government as an office holder or in intercollegiate activities other than athletics. Requirement: seven or more units during the semester of participation. Students should consult the student handbook or the Dean of Student Affairs for additional requirements.

Withdrawal from College

You may withdraw from college by using Self-Service (<https://selfservice.gcccd.edu/Student/>) or by filing a drop card in the Admissions and Records Office. This must be done before the deadline to drop each of your classes.

You may file a petition in the Admissions and Records Office after the final drop deadline, should a verified medical condition require a complete withdrawal. A medical withdrawal includes a W grade.

Work Experience Requirements

The unit value for work experience or field experience is one unit for each five hours of work experience per week completed during the course. The maximum work experience units allowable in one semester are four. In order to participate in Cooperative Work Experience Education,

Degree Requirements

Degrees

Grossmont College provides occupational as well as general education for the student who plans to complete formal education at the community college level. In addition, the College provides the lower division requirements in general education and in preprofessional majors for those students who plan to transfer to upper-division colleges and universities.

To assist the student in educational planning, this section of the catalog describes the graduation requirements for the Associate in Arts and Associate in Science degrees, the requirements for certificate programs and information on transfer requirements.

Students may follow the catalog under which they enter, or any subsequent catalog, as long as they are in continuous attendance. A student not in continuous attendance must meet degree requirements listed in the catalog in effect at the time of readmission.

Catalog Rights: The courses required for a specific degree or certificate, or general education may change from one catalog to the next and, therefore, may change during the period that a student attends the college. Catalog rights protect the student from being held to additional requirements that may be added to a later catalog.

For purposes of graduation from Grossmont College or Cuyamaca College a student who maintains continuous enrollment in a California Community College, California State University, or a University of California campus may elect to meet catalog requirements in one of the following ways:

1. The catalog that was in effect at the time they began taking courses at Grossmont Cuyamaca Community College District, or another California Community College, California State University, or a University of California campus, or
2. Any catalog that is or has been in effect during the time that they have maintained continuous enrollment before graduation, or
3. The catalog that is in effect at the time they file an application for a degree or certificate.

Retroactive Awards: Students who are no longer enrolled at Grossmont and who have previously met all the requirements for a degree or certificate, but never applied for graduation shall, upon request:

- Be awarded the degree or certificate without the need to re-enroll at the college
- Be awarded retroactively the degree or certificate in the last term in which the student maintained catalog rights

Continuous Enrollment: Continuous Enrollment is defined as attendance in one semester or two quarters within an academic year at a California Community College, California State University, or a University of California campus. An official grade (e.g. A,B,C,D, F,W, EW, PNP, Inc.), must be noted on the permanent record or official transcript. Students who do not attend at least one semester during an academic year or miss two consecutive semesters are not eligible for "continuing student" status. Summer sessions can be used to establish catalog rights as well as to maintain continuous enrollment status.

Exception: Students of the Allied Health and Nursing Division – catalog rights are based on entrance to that particular program.

Certification of a student's completion of CSU general education requirements or the Intersegmental General Education Transfer Curriculum (IGETC) is not a graduation requirement. Therefore, students do not have catalog rights to a certification pattern used by a certifying institution or a CSU or UC campus.

High School Students who plan to transfer to a four-year college or university after taking the first two years of academic work at a community college should be aware that high school preparation normally must include, as a minimum, the following: English, four years; Math, three years, to include a minimum of Beginning Algebra, Intermediate Algebra, and Geometry. In addition, the University of California requires two years of a foreign language as well as U.S. History, government, and a laboratory science. In the event that the student, at the time of graduation from high school, lacks one or more of these prerequisites, they may be completed in a community college. The student should realize that it is advantageous to have chosen, at the time of enrollment, the four-year institution to which he/she contemplates transfer. More information on transferring to a four-year college or university is available in the Counseling and Transfer Centers.

Granting of the Associate in Arts Degree, or the Associate in Science Degree to a student indicates successful completion of general education requirements plus evidence of proficiency in a specialized field. In addition, certificates are available to those who have attained well-defined levels of competency in designated academic/occupational areas. As a member of the Western Association of Schools and Colleges and the National Commission on Accrediting, many courses taken at Grossmont College are fully accepted as transferable to the University of California, the California State University and by most independent four-year colleges and universities throughout the United States.

The General Education Program offers the following opportunities to:

1. Develop verbal and quantitative learning skills.
2. Experience a wide spectrum of beliefs, principles or knowledge in the natural sciences, the social sciences, and the humanities.
3. Understand and critically examine the cultural heritage and its implications for the future.
4. Develop the abilities for critical thinking, evaluating personal values and understanding and responding to general audience media presentations on general education subjects.
5. Approach learning in an interdisciplinary manner and develop the ability to integrate general education knowledge.
6. Establish a broad base of intellectual and physical skills for a lifetime of continued learning.

Program Student Learning Outcomes

Each program at Grossmont College has developed specific outcomes to convey the knowledge, skills, and abilities students will obtain upon completion of his or her major. The Program Outcomes are listed with the description of each major.

Fitness/Wellness Requirement

Two courses involving physical exercise and/or dance are required as part of the general education requirements for an associate degree. These courses will be indicated by the following statement below the course description: "Satisfies General Education for Grossmont College Area E." The Exercise Science and Wellness Department at Grossmont

College encourages all students to enroll in exercise science classes each semester. The fitness activity courses address critical components of health and allow the development of an information base for students continuing wellness pursuits. The skill activity courses are designed to develop students' competency in activities which promote lifetime movement.

The mandatory health fee provides accident insurance for the protection of any student who may experience an injury while participating in a college sponsored credit or non-credit class, or other activity. The sponsored class or activity must be during a directly supervised, on-campus or school-related activity.

Students who depend exclusively upon prayer for healing according to the teaching of a bona fide religious sect, denomination or organization may petition for an exemption from the health fee by submitting a written request to the Office of Student Affairs. Waiver forms may be obtained in Admissions and Records or the Student Affairs office. Requests for exemption will be reviewed by the Dean of Admissions and Records and Financial Aid and the Dean of Student Affairs.

Veterans or active military refer to "Veterans (p. 18)" in the Admission Information.

General Education & Transfer Information

Students earning the Associate in Science or the Associate in Arts degree have three general education patterns from which to choose.

Plan A: Completion of Grossmont College General Education Requirements.

Plan B: Completion of Intersegmental General Education Transfer Curriculum for California State (IGETC-CSU) or for the University of California (IGETC-UC).

Plan C: Completion of California State University General Education (CSU GE).

Grossmont College Degree Requirements

Grossmont College will confer the Degree of Associate of Arts or Associate of Science upon students who successfully complete the following requirements:

I. Minimum Units

A minimum of 60 degree applicable semester units of Associate Degree credit college work.

II. Grade Point Average (GPA)

Achievement of a "C" (2.0) grade point average in all Associate Degree credit college work presented to meet degree requirements. Refer to the Grade Forgiveness clause in Academic Policies (<https://catalog.gcccd.edu/grossmont/admission-information/academic-policies/>).

III. Competency Requirement

- A. Competency in reading, writing and expression shown by achieving a "C" grade or higher or "Pass" in courses listed under Area A, Section 1 – Written Communication.
- B. Competency in Mathematics shown by
 1. Completion of MATH-120 Quantitative Reasoning or a higher numbered math course with a grade of "C" or higher or a grade of "P"; or a statistics course from another discipline with a grade of "C" or higher or a grade of "P"; or placing into a math course numbered MATH-170 Analytic Trigonometry or above.

IV. Credit Grades

A maximum of 12 Credit ("P") units (excluding courses only offered for "P/NP") taken in Associate Degree credit coursework at this institution may be counted toward the 60 units required for graduation.

V. Residency

1. Students enrolled at Grossmont College during the semester in which they will have met all graduation requirements may obtain their degree from Grossmont College if they have satisfactorily completed **at least 12 degree applicable semester units** at Grossmont College. Credit for Prior Learning or Tech Prep shall not count toward the residence requirement for graduation.
2. If a student is **not** enrolled at Grossmont College during the last semester prior to graduation then a total of 45 units of degree applicable courses in residence in the district are required, regardless of how much time has elapsed.

VI. General Education

General Education course choices for transfer and the associate degree may differ between Cuyamaca and Grossmont College. Each college strongly recommends that students visit the Counseling Centers for specific information if they plan to attend both campuses.

Students taking units in a general education area at one college within the district may use the units in the same area at the other college in the district.

General education requirements for Cardiovascular Technology majors are listed with the Associate Degree Program information (p. 112).

General education requirements for Nursing majors are listed with the Associate Degree Program information (p. 124).

General education requirements for Occupational Therapy Assistant majors are listed with the Associate Degree Program information (p. 131).

General education requirements for Orthopedic Technology majors are listed with the Associate Degree Program information (p. 138).

General education requirements for Respiratory Therapy majors are listed with the Associate Degree Program information (p. 144).

Plan A: Grossmont College General Education Requirements (AA/AS) 2023-2024

Competency Requirement

- A. Competency in reading, writing and expression shown by achieving a "C" grade or higher or "Pass" in courses listed under Area A, Section 1 – Written Communication.
- B. Competency in Mathematics shown by
 1. Completion of MATH-120 Quantitative Reasoning or a higher numbered math course with a grade of "C" or higher or a grade of "P"; or a statistics course from another discipline with a grade of "C" or higher or a grade of "P"; or placing into a math course numbered MATH-170 Analytic Trigonometry or above.

Area A – Language and Rationality

Three courses (a minimum of nine units) are required in written communication, oral communication, and analytical thinking. At least **one** course must be taken from **each** of the following three sections:

Code	Title	Units
1. Written Communication ¹		
ENGL-120	College Composition and Reading	3
ENGL-124	Advanced Composition: Critical Reasoning and Writing	3
ESL-122	College Rhetoric	6
2. Oral Communication		
COMM-120	Interpersonal Communication	3
COMM-122	Public Speaking	3
COMM-130	Fundamentals of Human Communication	3
3. Analytical Thinking ¹		
ANTH-215	Statistics for the Behavioral Sciences	4
BIO-215	Statistics for Life Sciences	3
ECON-215	Statistics for Business and Economics	4

GEOG-104	Introduction to Geographic Information Science	3
MATH-103	Intermediate Algebra	3
MATH-108	Beginning & Intermediate Algebra for Business, Math, Science, and Engineering Majors	6
MATH-110	Intermediate Algebra for Business, Math, Science and Engineering Majors	5
MATH-120	Quantitative Reasoning	3
MATH-125	Structure and Concepts of Elementary Mathematics I	3
MATH-126	Structure and Concepts of Elementary Mathematics II	3
MATH-150	Introduction to Computer Programming Applications in Mathematics	3
MATH-160	Elementary Statistics	4
MATH-170	Analytic Trigonometry	3
MATH-175	College Algebra	4
MATH-176	Precalculus: Functions and Graphs	6
MATH-178	Calculus for Business, Social and Behavioral Sciences	4
MATH-180	Analytic Geometry and Calculus I	5
MATH-245	Discrete Mathematics	3
MATH-280	Analytic Geometry and Calculus II	4
MATH-281	Multivariable Calculus	4
MATH-284	Linear Algebra	3
MATH-285	Differential Equations	3
PHIL-125	Critical Thinking	3
PHIL-130	Logic	3
PSC-120	Fundamentals of Scientific Computing (MATLAB)	4
PSY-215	Statistics for the Behavioral Sciences	4
SOC-215	Statistics for the Behavioral Sciences	4

¹ Must be completed with a "C" grade or higher or "Pass" to satisfy the competency requirement.

Area B – Natural Sciences

Two natural science courses (a minimum of six units) are required. At least **one** course must be taken from **each** of the following **two** sections and **one** of those two courses must include a laboratory.

Code	Title	Units
1. Biological Sciences		
ANTH-130	Introduction to Biological Anthropology ¹	3
ANTH-131	Biological Anthropology Laboratory ²	1
BIO-105	Marine Biology	4
BIO-110	Environmental Biology	4
BIO-112	Contemporary Issues in Environmental Resources ¹	3
BIO-114	Heredity, Evolution and Society ¹	3
BIO-118	Introduction to Human Biology ¹	3
BIO-120	Principles of Biology	4
BIO-140	Human Anatomy	4
BIO-141	Human Physiology ¹	3

BIO-141L	Laboratory in Human Physiology ²	1
BIO-144	Anatomy and Physiology I	4
BIO-145	Anatomy and Physiology II	4
BIO-152	Paramedical Microbiology	5
BIO-230	Principles of Cellular, Molecular and Evolutionary Biology	4
BIO-240	Principles of Ecology, Evolution and Organismal Biology	5

2. Physical Sciences

ASTR-110	Descriptive Astronomy ¹	3
ASTR-112	General Astronomy Laboratory ²	1
ASTR-120	Exploration of the Solar System ¹	3
CHEM-102	Introduction to General, Organic and Biological Chemistry	5
CHEM-110	Environmental Chemistry ¹	3
CHEM-113	Forensic Chemistry	4
CHEM-115	Fundamentals of Chemistry	4
CHEM-116	Introductory Organic and Biochemistry	4
CHEM-117	Introductory Biochemistry	3
CHEM-120	Preparation for General Chemistry	4
CHEM-141	General Chemistry I	5
CHEM-142	General Chemistry II	5
CHEM-231	Organic Chemistry I	5
CHEM-232	Organic Chemistry II	5
CHEM-241	Organic Chemistry I Lecture ¹	3
CHEM-241L	Organic Chemistry I Laboratory ²	2
CHEM-242	Organic Chemistry II Lecture ¹	3
CHEM-242L	Organic Chemistry II Laboratory ²	2
GEOG-120	Physical Geography: Earth Systems ¹	3
GEOG-121	Physical Geography: Earth Systems Laboratory ²	1
GEOG-140	Meteorology: Weather and Climate ¹	3
GEOL-104	Earth Science ¹	3
GEOL-110	Planet Earth ¹	3
GEOL-111	Planet Earth Laboratory ²	1
GEOL-121	Earth History	4
GEOL-210	Geology of California ¹	3
GEOL-220	Geology of the National Parks ¹	3
GEOL-230	Natural Disasters ¹	3
OCEA-112	Introduction to Oceanography ¹	3
OCEA-113	Oceanography Laboratory ²	1
PSC-100	Physical Science for Elementary Education ¹	3
PSC-110	Introduction to the Physical Sciences ¹	3
PSC-111	Introduction to Physical Sciences Laboratory ²	1
PHYC-110	Introductory Physics	4
PHYC-130	Fundamentals of Physics	4
PHYC-131	Fundamentals of Physics	4
PHYC-140	Mechanics of Solids	4
PHYC-201	Mechanics and Waves	5
PHYC-202	Electricity, Magnetism, and Heat	5
PHYC-203	Light, Optics, and Modern Physics	5

PHYC-240	Electricity, Magnetism, and Heat	4
PHYC-241	Light, Optics, and Modern Physics	4
SCI-110	Introduction to Scientific Thought ¹	3

¹ Course does not contain a laboratory component.

² Course is laboratory only.

Area C – Humanities

Complete two courses.

Code	Title	Units
ASL-120	American Sign Language I	4
ASL-121	American Sign Language II	4
ASL-140	Inside Deaf Culture	3
ASL-220	American Sign Language III	4
ASL-221	American Sign Language IV	4
ARBC-121	Arabic II	5
ARBC-120	Arabic I	5
ARBC-122	Arabic for the Arabic Speaker I	5
ARBC-123	Arabic for the Arabic Speaker II	5
ARBC-148	Language, Culture, and Literature of the Arab World	3
ARBC-220	Arabic III	5
ARBC-221	Arabic IV	5
ARBC-250	Conversational Arabic I	3
ARBC-251	Conversational Arabic II	3
ART-100	Art Appreciation	3
ART-120	Two-Dimensional Design	3
ART-124	Drawing I	3
ART-126	Ceramics I	3
ART-129	Three-Dimensional Design	3
ART-140	Survey of Western Art I: Prehistory Through Middle Ages	3
ART-141	Survey of Western Art II: Renaissance Through Modern	3
ART-142	Art of Africa, Oceania and the Americas	3
ART-143	Modern Art	3
ART-145	Contemporary Art	3
ART-146	Asian Art	3
ART-147	American Art	3
ART-171	Introduction to Digital Art	3
CHIN-120	Chinese I	5
CHIN-121	Chinese II	5
CHIN-220	Chinese III	5
CHIN-221	Chinese IV	5
CHIN-250	Conversational Chinese I	3
CHIN-251	Conversational Chinese II	3
COMM-135	Oral Interpretation of Literature	3
COMM-137	Critical Thinking in Group Communication	3
COMM-144	Communication Studies: Race and Ethnicity	3
COMM-145	Argumentation	3
DANC-110	Dance History	3
DANC-120	Dance Appreciation	3

ENGL-122	Introduction to Literature	3
ENGL-126	Introduction to Creative Writing	3
ENGL-134	Creative Nonfiction Writing I	3
ENGL-135	Creative Nonfiction Writing II	3
ENGL-136	Creative Nonfiction Writing III	3
ENGL-137	Creative Nonfiction Writing IV	3
ENGL-201	Women, Gender, and Sexuality in Literature	3
ENGL-203	Children's Literature	3
ENGL-215	Mythology	3
ENGL-217	Fantasy and Science Fiction	3
ENGL-218	Shakespeare - His Plays and the Theatre of His Time	3
ENGL-219	Views of Death and Dying in Literature	3
ENGL-221	British Literature I	3
ENGL-222	British Literature II	3
ENGL-231	American Literature I	3
ENGL-232	American Literature II	3
ENGL-236	Chicana/o Literature	3
ENGL-237	American Indian Literature	3
ENGL-238	Black Literature	3
ENGL-239	Asian American Literature	3
ENGL-271	World Literature II	3
ENGL-277	Literary Theme	3
ESL-115	Exploring U.S. Cultures	6
ETHN-126	Chicano/Chicana and Mexican Art	3
ETHN-127	La Chicana	3
ETHN-134	Introduction to American Indian Art	3
ETHN-143	Images of Black Women	3
ETHN-144	Communication Studies: Race and Ethnicity	3
ETHN-236	Chicana/o Literature	3
ETHN-237	American Indian Literature	3
ETHN-238	Black Literature	3
ETHN-239	Asian American Literature	3
FREN-120	French I	5
FREN-121	French II	5
FREN-152	The French-Speaking World: A Cross- - Cultural Perspective	3
FREN-220	French III	5
FREN-221	French IV	5
FREN-250	Conversational French I	3
FREN-251	Conversational French II	3
GERM-120	German I	5
GERM-121	German II	5
GERM-220	German III	5
GERM-221	German IV	5
GERM-250	Conversational German I	3
GERM-251	Conversational German II	3
HIST-100	Early World History	3
HIST-101	Modern World History	3
HIST-103	Twentieth Century World History	3
HIST-105	Early Western Civilization	3
HIST-106	Modern Western Civilization	3

HIST-113	American Military History	3	RELG-140	Religion and Culture	3
HIST-126	History of Mexico	3	RELG-150	Scriptures of India and China	3
HIST-135	Ancient History of Western Civilization	3	RELG-170	Introduction to Christianity	3
HIST-136	Survey of Medieval History	3	RUSS-120	Russian I	5
HIST-137	History of East Asia	3	RUSS-121	Russian II	5
HIST-148	Modern Middle East History	3	RUSS-220	Russian III	5
HUM-110	Principles of the Humanities	3	RUSS-221	Russian IV	5
HUM-120	European Humanities	3	RUSS-250	Conversational Russian I	3
HUM-125	Women and Western Culture	3	RUSS-251	Conversational Russian II	3
HUM-130	East Asian Humanities	3	SPAN-120	Spanish I	5
HUM-135	Blues as Literature, History, and Culture	3	SPAN-121	Spanish II	5
HUM-140	Humanities of the Americas	3	SPAN-122	Spanish for the Native Speaker I	5
HUM-160	Humanities of the Future	3	SPAN-123	Spanish for the Native Speaker II	5
HUM-170	Modern World Humanities	3	SPAN-141	Spanish and Latin American Cultures	3
ITAL-120	Italian I	5	SPAN-145	Hispanic Civilizations	3
ITAL-121	Italian II	5	SPAN-220	Spanish III	5
ITAL-220	Italian III	5	SPAN-221	Spanish IV	5
ITAL-221	Italian IV	5	SPAN-250	Conversational Spanish I	3
ITAL-250	Conversational Italian I	3	SPAN-251	Conversational Spanish II	3
ITAL-251	Conversational Italian II	3	THTR-101	Introduction to Narrative Theory	3
JAPN-120	Japanese I	5	THTR-110	Introduction to the Theatre	3
JAPN-121	Japanese II	5	THTR-130	Acting I	3
JAPN-149	Japanese Culture and Civilization	3	THTR-143	Historic Costume for the Theatre	3
JAPN-220	Japanese III	5	THTR-144	20th Century Fashion and Costume	3
JAPN-221	Japanese IV	5	THTR-205	The American Musical on Stage and Screen	3
JAPN-250	Conversational Japanese I	3			
JAPN-251	Conversational Japanese II	3			
MCOM-111	Introduction to Film Analysis	3			
MUS-110	Great Music Listening	3			
MUS-111	The History of Jazz	3			
MUS-115	The History of Rock Music	3			
MUS-116	Introduction to World Music	3			
MUS-117	Introduction to Music History and Literature	3			
MUS-123	History of Hip Hop Culture	3			
MUS-189	Multimedia and the Creative Arts	3			
PHIL-110	A General Introduction to Philosophy	3			
PHIL-111	Philosophy and Popular Culture	3			
PHIL-115	History of Philosophy I: Ancient and Medieval	3			
PHIL-117	History of Philosophy II: Modern and Contemporary	3			
PHIL-140	Problems in Ethics	3			
PHIL-141	Bioethics	3			
PHIL-145	Social and Political Philosophy	3			
PHIL-150	The Philosophy of Art	3			
PHIL-155	The Philosophy of Science	3			
PHIL-160	Latin American Philosophy	3			
PHOT-150	Introduction to Photography	3			
PHOT-154	History of Photography	3			
RELG-110	Introduction to the Study of Religion	3			
RELG-120	World Religions	3			
RELG-130	Scriptures of World Religions	3			

Area D – Social Sciences

Complete two courses.

Code	Title	Units
AOJ-110	Introduction to Administration of Justice	3
ANTH-120	Cultural Anthropology	3
ANTH-122	Anthropology of Magic, Witchcraft, and Religion	3
ANTH-127	Cultures of Latin America	3
ANTH-140	Introduction to Archaeology	3
CD-115	Changing American Family	3
CD-125	Child Growth and Development	3
CD-131	Child, Family and Community	3
CD-134	Health, Safety and Nutrition of Young Children	3
CD-145	Child Abuse and Family Violence in Our Society	3
CD-153	Teaching in a Diverse Society	3
COMM-124	Intercultural Communication	3
COMM-126	Communication Studies: Health and Wellness	3
COMM-128	Global Communication	3
ECON-110	Economic Issues and Policies	3
ECON-120	Principles of Macroeconomics	3
ECON-121	Principles of Microeconomics	3
ETHN-114	Introduction to Race & Ethnicity	3
ETHN-115	Introduction to Cultural Competence	3

ETHN-118	U.S. History: Chicano/Chicana Perspectives I	3	HIST-155	Modern History of Women in World Civilization	3
ETHN-119	U.S. History: Chicano/Chicana Perspective II	3	HIST-160	U.S. History: Asian American and Pacific Island American Perspectives I	3
ETHN-125	Cross-Cultural Psychology	3	HIST-161	U.S. History: Asian American and Pacific Island American Perspectives II	3
ETHN-128	Introduction to Chicana/o Studies	3	HIST-180	U.S. History: Black Perspectives I	3
ETHN-130	U.S. History and Cultures: Native American Perspectives I	3	HIST-181	U.S. History: Black Perspectives II	3
ETHN-131	U.S. History and Cultures: Native American Perspectives II	3	MCOM-110	Mass Media and Society	3
ETHN-135	San Diego County American Indian Tribes	3	MCOM-210	Social Media in the Digital Age	3
ETHN-137	American Indian Culture and Heritage	3	MCOM-250	Introduction to Representation in the Media	3
ETHN-138	The History and Cultures of California Indians	3	NUTR-155	Introduction to Nutrition	3
ETHN-145	Introduction to Black Studies	3	NUTR-158	Nutrition for Fitness and Sports	3
ETHN-160	U.S. History: Asian American and Pacific Island American Perspectives I	3	NUTR-159	Cultural Aspects of Food and Nutrition	3
ETHN-161	U.S. History: Asian American and Pacific Island American Perspectives II	3	POSC-120	Introduction to Politics and Political Analysis	3
ETHN-180	U.S. History: Black Perspectives I	3	POSC-121	Introduction to U.S. Government and Politics	3
ETHN-181	U.S. History: Black Perspectives II	3	POSC-124	Introduction to Comparative Government and Politics	3
FS-115	Changing American Family	3	POSC-130	Introduction to International Relations	3
FS-120	Human Development	3	POSC-140	Introduction to California Governments and Politics	3
GEOG-100	Introduction to Global Studies	3	POSC-150	Introduction to Political Theory	3
GEOG-101	Global Issues	3	POSC-160	Politics in Film	3
GEOG-106	World Regional Geography	3	PSY-120	Introductory Psychology	3
GEOG-130	Human Geography: The Cultural Landscape	3	PSY-125	Cross-Cultural Psychology	3
GEOG-170	The Geography of California	3	PSY-132	Psychology of Health	3
GEND-116	Introduction to Women's Studies	3	PSY-134	Human Sexuality	3
GEND-154	Early History of Women in World Civilization	3	PSY-138	Social Psychology	3
GEND-155	Modern History of Women in World Civilization	3	PSY-140	Physiological Psychology	3
HED-120	Personal Health and Lifestyles	3	PSY-170	Abnormal Psychology	3
HED-201	Introduction to Public Health	3	PSY-211	Cognitive Psychology	3
HIST-107	History of Race & Ethnicity in the United States	3	PSY-220	Learning	3
HIST-108	Early American History	3	RELG-165	Religion in America	3
HIST-109	Modern American History	3	RELG-175	Religion, Government and Politics in America	3
HIST-114	Comparative History of the Early Americas	3	SOC-114	Introduction to Race & Ethnicity	3
HIST-115	Comparative History of the Modern Americas	3	SOC-120	Introductory Sociology	3
HIST-118	U.S. History: Chicano/Chicana Perspectives I	3	SOC-125	Marriage, Family, and Alternate Lifestyles	3
HIST-119	U.S. History: Chicano/Chicana Perspectives II	3	SOC-130	Contemporary Social Problems	3
HIST-122	Women in Early American History	3	SOC-138	Social Psychology	3
HIST-123	Women in Modern American History	3	SOC-140	Sex and Gender Across Cultures	3
HIST-124	History of California	3	SOC-150	Latinx Communities in the United States	3
HIST-130	U.S. History and Cultures: Native American Perspectives I	3			
HIST-131	U.S. History and Cultures: Native American Perspectives II	3			
HIST-154	Early History of Women in World Civilization	3			

Area E – Fitness/Wellness

Two courses involving physical exercise and/or dance are required. Veterans or active military refer to "Veterans" in Admission Information (p. 18). Requirements can only be met from the exercise science and/or dance courses listed below.

Code	Title	Units
DANC-068	Introduction to Dance	1.5
DANC-071A	Studio Workshop in Tap Dance I	1

DANC-071B	Studio Workshop in Tap Dance II	1	ES-006C	Advanced Fitness Circuit	1
DANC-072A	Studio Workshop in Modern Dance I	1	ES-007A	Beginning Aerobic Walking for Fitness and Wellness	1.5
DANC-072B	Studio Workshop in Modern Dance II	1	ES-007B	Intermediate Aerobic Walking for Fitness and Wellness	1.5
DANC-074A	Studio Workshop in Jazz Dance I	1	ES-007C	Advanced Aerobic Walking for Fitness and Wellness	1.5
DANC-074B	Studio Workshop in Jazz Dance II	1	ES-008A	Beginning Indoor Cycling	1
DANC-078A	Studio Workshop in Ballet I	1	ES-008B	Intermediate Indoor Cycling	1
DANC-078B	Studio Workshop in Ballet II	1	ES-008C	Advanced Indoor Cycling	1
DANC-080A	Modern I	1.5	ES-009A	Beginning Aerobic Dance Exercise	1
DANC-080B	Modern II	1.5	ES-009B	Intermediate Aerobic Dance Exercise	1
DANC-080C	Modern III	1.5	ES-009C	Advanced Aerobic Dance Exercise	1
DANC-080D	Modern IV	1.5	ES-016A	Beginning Trail Running	1
DANC-081A	Tap I	1.5	ES-016B	Intermediate Trail Running	1
DANC-081B	Tap II	1.5	ES-016C	Advanced Trail Running	1
DANC-081C	Tap III	1.5	ES-017A	Beginning Trail Hiking	1
DANC-081D	Tap IV	1.5	ES-017B	Intermediate Trail Hiking	1
DANC-082A	Social and Ballroom Dance I	1.5	ES-017C	Advanced Trail Hiking	1
DANC-082B	Social and Ballroom Dance II	1.5	ES-021A	Beginning Fitness for Chronic Disease And Injury Prevention	1.5
DANC-083A	Latin American Dance I	1.5	ES-021B	Intermediate Fitness for Chronic Disease And Injury Prevention	1.5
DANC-083B	Latin American Dance II	1.5	ES-021C	Advanced Fitness for Chronic Disease and Injury Prevention	1.5
DANC-084A	Jazz I	1.5	ES-022	Total Body Conditioning	1
DANC-084B	Jazz II	1.5	ES-023A	Beginning Resistance Training	1
DANC-084C	Jazz III	1.5	ES-023B	Intermediate Resistance Training	1
DANC-084D	Jazz IV	1.5	ES-023C	Advanced Resistance Training	1
DANC-088A	Ballet I	1.5	ES-024A	Beginning Fitness Boot Camp	1
DANC-088B	Ballet II	1.5	ES-024B	Intermediate Fitness Boot Camp	1
DANC-088C	Ballet III	1.5	ES-024C	Advanced Fitness Boot Camp	1
DANC-088D	Ballet IV	1.5	ES-026	Stress Reduction Through Movement and Mindfulness	1
DANC-094A	Hip Hop I	1.5	ES-027A	Beginning T'ai Chi Ch'uan	1
DANC-094B	Hip Hop II	1.5	ES-027B	Intermediate T'ai Chi Ch'uan	1
DANC-094C	Hip Hop III	1.5	ES-027C	Advanced T'ai Chi Ch'uan	1
DANC-094D	Hip Hop IV	1.5	ES-028A	Beginning Yoga	1.5
DANC-099A	Studio Workshop in Pointe I	1	ES-028B	Intermediate Yoga	1.5
DANC-099B	Studio Workshop in Pointe II	1	ES-028C	Advanced Yoga	1.5
DANC-099C	Studio Workshop in Pointe III	1	ES-029	Adapted Yoga	1
DANC-118A	Pilates I	1.5	ES-030	Adaptive Aquatic Sports Education	1
DANC-118B	Pilates II	1.5	ES-035	Adapted Swimming Limited	1
DANC-118C	Pilates III	1.5	ES-037A	Beginning Springboard Diving	1
DANC-118D	Pilates IV	1.5	ES-037B	Intermediate Springboard Diving	1
Exercise Science			ES-037C	Advanced Springboard Diving	1
ES-001	Adapted Physical Exercise	1	ES-039	Swimming for Nonswimmers	1
ES-002	Advanced Adapted Physical Exercise	1	ES-040A	Beginning Aquatic Fitness	1
ES-003	Adaptive Aerobic Fitness	1	ES-040B	Intermediate Aquatic Fitness	1
ES-004A	Beginning Fitness for the Newcomer	1	ES-040C	Advanced Aquatic Fitness	1
ES-004B	Intermediate Fitness for the Newcomer	1	ES-041	Adapted Water Aerobics	1.5
ES-004C	Advanced Fitness for the Newcomer	1	ES-043A	Beginning Swimming	1
ES-005A	Beginning Cardio Fitness and Resistance Training	1.5	ES-043B	Intermediate Swimming	1
ES-005B	Intermediate Cardio Fitness and Resistance Training	1.5			
ES-005C	Advanced Cardio Fitness and Resistance Training	1.5			
ES-006A	Beginning Fitness Circuit	1			
ES-006B	Intermediate Fitness Circuit	1			

ES-043C	Advanced Swimming	1
ES-044A	Beginning Lap Swimming for Health and Fitness	1
ES-044B	Intermediate Lap Swimming for Health and Fitness	1
ES-044C	Advanced Lap Swimming for Health and Fitness	1
ES-060A	Beginning Badminton	1
ES-060B	Intermediate Badminton	1
ES-060C	Advanced Badminton	1
ES-061A	Beginning Pickleball	1
ES-061B	Intermediate Pickleball	1
ES-061C	Advanced Pickleball	1
ES-076A	Beginning Tennis	1
ES-076B	Intermediate Tennis	1
ES-076C	Advanced Tennis	1
ES-125A	Beginning Golf	1
ES-125B	Intermediate Golf	1.5
ES-125C	Advanced Golf	1.5
ES-130A	Beginning Gymnastics	1
ES-130B	Intermediate Gymnastics	1.5
ES-130C	Advanced Gymnastics	1.5
ES-155A	Beginning Basketball	1
ES-155B	Intermediate Basketball	1
ES-155C	Advanced Basketball	1
ES-170A	Beginning Soccer	1
ES-170B	Intermediate Soccer	1
ES-170C	Advanced Soccer	1
ES-171A	Beginning Softball	1
ES-171B	Intermediate Softball	1
ES-171C	Advanced Softball	1
ES-172A	Beginning Baseball	1
ES-172B	Intermediate Baseball	1
ES-172C	Advanced Baseball	1
ES-175A	Beginning Volleyball	1
ES-175B	Intermediate Volleyball	1
ES-175C	Advanced Volleyball	1
ES-176A	Beginning Beach Volleyball	1
ES-176B	Intermediate Beach Volleyball	1
ES-176C	Advanced Beach Volleyball	1
ES-180	Self-Defense for Women	1
ES-185A	Beginning Fencing	1.5
ES-185B	Intermediate Fencing	1.5
ES-185C	Advanced Fencing	1.5

VII. General Studies Major Requirements

Grossmont College recognizes that the educational program of any one student should be composed of courses of study meaningful and appropriate to their own lifestyle. In order to facilitate this concept, the college provides for maximum flexibility in combining courses for the general studies majors. In this way, the student may design a major which is the best preparation for citizenship, personal development or employment. If the student wishes to meet the requirements for a particular major at a selected four-year college or university, the course of

study the student designs would be influenced by the pattern suggested in the current catalog of the specific transfer institution. General Studies majors are outlined in the Associate Degree section of the catalog.

VIII. Academic/Occupational Major Requirements

Grossmont College has developed career programs which reflect the needs of the community. The endless effort to continue dynamic program improvement and the development of career education has become an essential way of life in order to meet the needs of today's society. The opportunities for career education at Grossmont College are excellent for all who wish to become more self-sufficient or who wish to advance in their present fields.

Many of the units earned in career programs at Grossmont College are accepted toward the Bachelor's Degree at four-year institutions. Persons who would like to discuss career planning should consult with a counselor and/or representative of the department in which they have special interest. This should be accomplished early and, if possible, prior to registration. Career programs are outlined in the catalog, or in various brochures available in the Counseling Center.

The emphasis on career planning and education at Grossmont College is evidenced by the number of available programs leading to the Associate Degree. In curriculum planning for career education, citizens' advisory committees, composed of persons from various fields of specialization, give of their time in order to ensure quality courses that specifically prepare for proficiencies essential to employment, retention on the job, and for living a more productive and full life.

The technical-vocational major is a program of 18 or more units designed to complete all course requirements designated by the department in a single area of concentration. Such a major shall be stated on the degree. These courses must be taken for a letter grade unless designated Pass/No Pass only.

IX. Associate Degree for Transfer (ADT) Reciprocity

1. For those students who come to Grossmont College having already begun an AA-T or AS-T at another California Community College in a particular area of study and having already completed courses as stipulated by that college for that AA-T or AS-T, Grossmont will accept any courses listed on the Transfer Model Curriculum (TMC), even if they are different from those stipulated by Grossmont College.
2. For those students who begin their AA-T or AS-T at Grossmont College, Grossmont will accept those courses stipulated by Grossmont College for their AA-T or AS-T.

X. Application for Graduation

It is the responsibility of the student who expects to graduate to have all college transcripts on file prior to filing an application for graduation on a form provided by the Admissions and Records Office. The application should be filed prior to the deadline for the semester in which the student plans to complete requirements for a degree.

A student not in continuous attendance at Grossmont College should be aware that he/she must meet degree requirements listed in the catalog in effect at the time of re-admission. The student may choose to meet requirements in a catalog published after his/her re-admission provided he/she remains in continuous attendance.

XI. Additional Associate Degree(s)

Additional associate degrees may be earned under the following conditions:

- A. Having received an A.A. or A.S. Degree, a student may qualify for an A.A or A.S. Degree in other fields with the exception of the General Studies Degree.
- B. Having received an A.A. or A.S. degree in University Transfer Studies a student is not eligible to receive an additional University Studies degree at Grossmont College.
- C. Having received a Bachelor's Degree or higher, a student may qualify for an A.A. or A.S. Degree in other fields with the exception of the General Studies Degree or the University Studies Degree.
- D. Having met all general education requirements as specified in this catalog and completed a minimum of 12 units in the major at Grossmont College subsequent to the preceding degree(s), with the exception of an Associate Degree for Transfer (ADT).

XII. Multiple Majors

Multiple majors are different from additional associate degrees (see Section X) in that the student with a multiple major works simultaneously toward the completion of more than one major. An Associate in Science or Associate in Arts Degree with a multiple major can be earned by completion of all general education requirements plus the courses required for the majors as outlined in this catalog under Associate Degree Programs at Grossmont College. A General Studies Major cannot be included as part of the multiple major within the Grossmont-Cuyamaca Community College District. Students are not eligible to receive multiple University Studies degrees.

XIII. Certificates of Achievement

A Certificate of Achievement may be awarded upon successful completion of a prescribed course of study in the following areas: Administration of Justice, American Sign Language, Arabic, Art: Photography, Business Administration, Business-General, Business Office Technology, Telemetry/ECG, Chemistry, Child Development, Computer Science Information Systems, Culinary Arts, Dance, Disability Services Management, English, Exercise Science and Wellness, French, German, Hospitality and Tourism Management, International Business, Management, Marketing, Media Communications, Musical Theatre, Orthopedic Technology, Political Science, Retail Management, Russian, Spanish, Theatre Arts, and University Studies. To qualify for such a certificate, a student must:

1. Complete all courses for a particular certificate which are listed in the Associate Degree program section of this catalog.
2. A "C" grade or higher or "Pass" is required for all courses taken at Grossmont College or elsewhere, which are to be applied toward the certificate.
3. Satisfactorily complete at least one required course at Grossmont College during the semester in which the certificate is earned. All courses taken for the certificate must be graded courses (except for University Studies.)
4. File an application for the certificate of achievement in the Admissions and Records Office at the beginning of the semester in which the requirements will be completed. (See calendar in front of this catalog for exact deadline.)
5. Students may follow the catalog under which they enter, or any subsequent catalog, as long as they are in continuous attendance. A student not in continuous attendance must meet the certificate requirements listed in the catalog in effect at the time of readmission.

XIV. Certificates of Proficiency

Certificates of Proficiency are designed for the student who needs to be prepared for an entry-level job. A department-issued certificate may be awarded upon successful completion of a prescribed course of study. These certificates will not appear on a student's transcript. Completion of a Certificate of Proficiency does not entitle a student to participate in the commencement ceremony. To receive a Certificate of Proficiency, a student must complete all courses with a "C" grade or higher or "Pass".

Certificates of Proficiency are offered in the following areas: Arabic – Basic Arabic for Healthcare Professionals, Business – Insurance Services, Business Office Technology-Account Clerk, Front Office/ Receptionist, Medical Office Assistant, Office Professional, Office Assistant Specialist Level I, Office Software Specialist Level II; Virtual Office Assistant; Child Development - Associate Teacher; Computer Science Information Systems-Information Technology Technician, Network and Cybersecurity Technician, Ethnic Studies-Cross Cultural Competence; Cross Cultural Communication Skills; Cross Cultural Skills with Conversational-Level Second Language; Exercise Science-Fitness Specialist Certification, Administration of Justice Geospatial Literacy Certificate, Geography-Educators Global Awareness, Geographic Information Systems Literacy, Global Awareness and Appreciation, Administration of Justice Geospatial Literacy Certificate. Respiratory Therapy-Sleep Disorders, Diagnostic Procedures, and Treatment.

Transfer Information

Students planning to transfer to a four-year university have a wide variety of options. The California State University (CSU) with 23 campuses, the University of California (UC) with 9 undergraduate campuses and private, independent colleges in California, as well as public and private options located throughout the United States and internationally provide a wide range of academic programs, physical and academic environments, and social climates. Grossmont College offers lower division coursework in preparation for transfer to four-year colleges and universities. Students wishing to pursue transfer should meet with a counselor as early as possible to discuss their educational plan.

Successful transfer planning requires the following steps: First, select an academic or career goal, then select an appropriate major to meet that goal. Next, research the most suitable college(s) or university(ies). After you've selected the college(s) or university(ies), make an appointment with a counselor to develop an educational plan. As you approach completion of the required coursework in your education plan you will need to complete the application process. Students are encouraged to take advantage of the resources and assistance available in the Transfer Center for each step of the process.

All colleges and universities have specific admission requirements including general education, major preparation and/or unit requirements, as well as minimum grade point averages (GPA) that must be met prior to transfer. Students should complete as many of these requirements as possible before they transfer, and in some cases must complete all prior to transfer. The Articulation Officer develops and maintains transfer articulation agreements with local colleges and universities which list courses that satisfy general education requirements and preparation for the major.

The Articulation Officer maintains an articulation website with valuable information on general education and major preparation for CSU, UC and Independent/Private/Out-of-State Colleges and Universities. The website address is <https://www.grossmont.edu/articulation> (<https://www.grossmont.edu/articulation/>). UC and CSU general education or

major preparation agreements are also posted on ASSIST, California's articulation and student transfer information system. The website is <https://www.assist.org>.

University of California (UC)

The University of California is an integral part of the public education system of California. The campuses of the University of California are located in:

Berkeley¹
 Davis
 Irvine
 Los Angeles
 Merced¹
 Riverside
 San Diego
 Santa Cruz
 Santa Barbara
 San Francisco
 (Medical Center)

¹ Semester System.

Nine UC campuses admit undergraduate students pursuing the bachelor degree. UC San Francisco admits at the graduate level only.

UC Admission Guarantee Programs

Transfer Admission Guarantee (TAG) agreements are available to Grossmont students interested in transferring to UC Davis, UC Irvine, UC Merced, UC Riverside, UC Santa Barbara and UC Santa Cruz. For more information, visit the Transfer Center website at <https://www.grossmont.edu/transfer-center/>.

UniversityLink is an admission guarantee program to UCSD designed for recent high school graduates and student veterans, active duty service members and current/former foster youth. Additional information can be found at: <https://admissions.ucsd.edu/transfer/universitylink.html>. Students are encouraged to visit the Transfer Center or meet with a counselor to determine eligibility and apply.

Applying for Admission

To apply for admission to the University of California as an undergraduate, apply online at <https://www.universityofcalifornia.edu/admissions> (<https://www.universityofcalifornia.edu/admissions/>) during the application months listed as follows:

Term	Application Filing Period
Fall 2024	October 1, 2023-November 30, 2023
Winter / Spring 2025	July 1, 2024-July 31, 2024

Select UC campuses offer winter/spring admission cycles.

Submit your completed application online on or soon after the opening of the application period. The Transfer Center hosts Question & Answer sessions to assist you with completing the application.

Consult the following sections for information about transfer and admission requirements.

Courses Accepted For Transfer to the University of California

The most current list of UC transferable courses is available on the ASSIST website (<https://www.assist.org>). Also, please check the course

description for each course in this catalog for UC transferability. Refer to ASSIST (<https://www.assist.org>) for official Credit Limitation information.

Each campus of the University of California usually accepts, at full unit value, UC transferable courses completed with satisfactory grades from the California Community Colleges. Students intending to transfer to a UC will find it advantageous to complete their lower division requirements at Grossmont College. A maximum of 70 transferable community college units is honored by the university campuses. However, students should become familiar with specific requirements of the campus to which transfer is planned by examining each UC catalog and website.

Articulation agreements have been developed with most campuses of the University of California and are available on the ASSIST website (<https://www.assist.org>). Grossmont counselors can provide assistance with transfer educational plans.

Minimum Upper Division UC Transfer Admission Requirements

- Complete 60 semester units or 90 quarter units of transferable college credit with a minimum grade point average of 2.4 (2.8 for non-residents). No more than 14 semester (21 quarter) units may be taken Pass/No Pass.
- Complete with a "C" grade or higher or "Pass" a seven-course pattern requirement to include:
 - Two transferable college courses (3 semester or 4-5 quarter units each) in English composition; and
 - One transferable college course (3 semester or 4-5 quarter units) in Mathematical Concepts and Quantitative Reasoning; and
 - Four transferable college courses (3 semester or 4-5 quarter units each) chosen from at least two of the following subject areas: the arts and humanities, the social and behavioral sciences, or the physical and biological sciences.

or

 Complete the IGETC to fulfill lower division general education (if appropriate for UC major). Refer to Plan B in General Education & Transfer information (<https://catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/>).

Please note: In addition to the requirements above, individual universities have specified additional requirements and transfer GPA that must be achieved to be eligible and/or competitive for admission.

University of California (UC) Credit Limitations

Subject to change. The ASSIST website (<https://www.assist.org>) lists are the most current.

- AOJ-144 Probation and Parole, AOJ-200 Criminal Law combined: maximum credit, one course.
- AOJ-200 Criminal Law, AOJ-144 Probation and Parole combined: maximum credit, one course.
- ANTH-215 Statistics for the Behavioral Sciences/BIO-215 Statistics for Life Sciences/ECON-215 Statistics for Business and Economics/SOC-215 Statistics for the Behavioral Sciences/PSY-215 Statistics for the Behavioral Sciences/MATH-160 Elementary Statistics: maximum credit, one course.
- BIO-140 Human Anatomy, BIO-141 Human Physiology, BIO-141L Laboratory in Human Physiology, BIO-144 Anatomy and Physiology I, BIO-145 Anatomy and Physiology II: maximum credit 8 units.
- BIO-150 Field Study of the Natural History of the Greater San Diego Region/GEOG-150 Field Study of the Natural History of the Greater San Diego Region/GEOL-150 Field Study of the Natural History of the Greater San Diego Region/OCEA-150 Field Study of the Natural

- History of the Greater San Diego Region: maximum credit, one course.
- BIO-215 Statistics for Life Sciences/ANTH-215 Statistics for the Behavioral Sciences/ECON-215 Statistics for Business and Economics/SOC-215 Statistics for the Behavioral Sciences/PSY-215 Statistics for the Behavioral Sciences/MATH-160 Elementary Statistics: maximum credit, one course.
 - CD-115 Changing American Family/FS-115 Changing American Family: maximum credit, one course.
 - CHEM-110 Environmental Chemistry, CHEM-113 Forensic Chemistry, CHEM-115 Fundamentals of Chemistry, CHEM-116 Introductory Organic and Biochemistry and CHEM-120 Preparation for General Chemistry combined: maximum credit, one course. No credit for CHEM-110 Environmental Chemistry, CHEM-113 Forensic Chemistry, CHEM-115 Fundamentals of Chemistry, CHEM-116 Introductory Organic and Biochemistry, or CHEM-120 Preparation for General Chemistry if taken after CHEM-141 General Chemistry I.
 - COMM-124 Intercultural Communication and COMM-144 Communication Studies: Race and Ethnicity/ETHN-144 Communication Studies: Race and Ethnicity or ETHN-115 Introduction to Cultural Competence combined: maximum credit, one course.
 - DANC: Maximum of four semester units of credit for Physical Education (ES) activity courses.
 - ECON-110 Economic Issues and Policies: No credit for ECON-110 Economic Issues and Policies if taken after ECON-120 Principles of Macroeconomics or ECON-121 Principles of Microeconomics.
 - ECON-215 Statistics for Business and Economics/BIO-215 Statistics for Life Sciences/ANTH-215 Statistics for the Behavioral Sciences/SOC-215 Statistics for the Behavioral Sciences/PSY-215 Statistics for the Behavioral Sciences/MATH-160 Elementary Statistics: maximum credit, one course.
 - ENGL-130 Short Fiction Writing I, ENGL-131 Short Fiction Writing II, ENGL-132 Short Fiction Writing III and ENGL-133 Short Fiction Writing IV combined: maximum credit, two courses.
 - ENGL-134 Creative Nonfiction Writing I, ENGL-135 Creative Nonfiction Writing II, ENGL-136 Creative Nonfiction Writing III and ENGL-137 Creative Nonfiction Writing IV combined: maximum credit, two courses.
 - ENGL-140 Poetry Writing I, ENGL-141 Poetry Writing II, ENGL-142 Poetry Writing III and ENGL-143 Poetry Writing IV combined: maximum credit, two courses.
 - ENGL-160 Drama Writing I ENGL-161 Drama Writing II, ENGL-162 Drama Writing III and ENGL-163 Drama Writing IV combined: maximum credit, two courses.
 - ENGL-175 Novel Writing I, ENGL-176 Novel Writing II, ENGL-177 Novel Writing III and ENGL-178 Novel Writing IV combined: maximum credit, one course.
 - ENGL-236 Chicana/o Literature/ETHN-236 Chicana/o Literature: maximum credit, one course.
 - ENGL-237 American Indian Literature/ETHN-237 American Indian Literature: maximum credit, one course.
 - ENGL-238 Black Literature/ETHN-238 Black Literature: maximum credit, one course.
 - ENGL-239 Asian American Literature/ETHN-239 Asian American Literature: maximum credit, one course.
 - ES: maximum of four semester units of credit for Physical Education activity courses.
 - ES-047 Lifeguard Training, ES-051 American Red Cross Water Safety Instructors, ES-250 Introduction to Kinesiology, ES-253 Physical Education in the Elementary Schools, ES-262 Technical Analysis and Theory of Football - Offense, ES-263 Technical Analysis and Theory of Football - Defense: maximum credit for non-activity transferable ES courses: 8 units.
 - ETHN-115 Introduction to Cultural Competence and ETHN-144 Communication Studies: Race and Ethnicity/COMM-144 Communication Studies: Race and Ethnicity and COMM-124 Intercultural Communication combined: maximum credit, one course.
 - ETHN-118 U.S. History: Chicano/Chicana Perspectives I/HIST-118 U.S. History: Chicano/Chicana Perspectives I, HIST-119 U.S. History: Chicano/Chicana Perspectives II; HIST-130 U.S. History and Cultures: Native American Perspectives I, HIST-131 U.S. History and Cultures: Native American Perspectives II, HIST-160 U.S. History: Asian American and Pacific Island American Perspectives I, HIST-161 U.S. History: Asian American and Pacific Island American Perspectives II, HIST-180 U.S. History: Black Perspectives I, HIST-181 U.S. History: Black Perspectives II combined with HIST-108 Early American History, HIST-109 Modern American History: maximum credit, one series.
 - ETHN-107 History of Race & Ethnicity in the United States/HIST-107 History of Race & Ethnicity in the United States: maximum credit, one course
 - ETHN-180 U.S. History: Black Perspectives I/HIST-180 U.S. History: Black Perspectives I: maximum credit, one course.
 - ETHN-181 U.S. History: Black Perspectives II/HIST-181 U.S. History: Black Perspectives II: maximum credit, one course.
 - ETHN-236 Chicana/o Literature/ENGL-236 Chicana/o Literature: maximum credit, one course.
 - ETHN-237 American Indian Literature/ENGL-237 American Indian Literature: maximum credit, one course.
 - ETHN-238 Black Literature/ENGL-238 Black Literature: maximum credit, one course.
 - ETHN-125 Cross-Cultural Psychology/PSY-125 Cross-Cultural Psychology: maximum credit, one course.
 - ETHN-114 Introduction to Race & Ethnicity/SOC-114 Introduction to Race & Ethnicity: maximum credit, one course.
 - FS-115 Changing American Family/CD-115 Changing American Family: maximum credit, one course.
 - FS-120 Human Development, PSY-150 Developmental Psychology: maximum credit, one course.
 - GEND-154 Early History of Women in World Civilization/HIST-154 Early History of Women in World Civilization: maximum credit, one course.
 - GEND-155 Modern History of Women in World Civilization/HIST-155 Modern History of Women in World Civilization: maximum credit, one course.
 - GEOG-150 Field Study of the Natural History of the Greater San Diego Region/BIO-150 Field Study of the Natural History of the Greater San Diego Region/GEOL-150 Field Study of the Natural History of the Greater San Diego Region/OCEA-150 Field Study of the Natural History of the Greater San Diego Region: maximum credit, one course.
 - GEOL-150 Field Study of the Natural History of the Greater San Diego Region/BIO-150 Field Study of the Natural History of the Greater San Diego Region/GEOG-150 Field Study of the Natural History of the Greater San Diego Region/OCEA-150 Field Study of the Natural History of the Greater San Diego Region: maximum credit, one course.

- HIST-108 Early American History, HIST-109 Modern American History or ETHN-118 U.S. History: Chicano/Chicana Perspectives I/HIST-118 U.S. History: Chicano/Chicana Perspectives I, ETHN-119 U.S. History: Chicano/Chicana Perspective II/HIST-119 U.S. History: Chicano/Chicana Perspectives II or ETHN-130 U.S. History and Cultures: Native American Perspectives I/HIST-130 U.S. History and Cultures: Native American Perspectives II/HIST-131 U.S. History and Cultures: Native American Perspectives II, ETHN-160 U.S. History: Asian American and Pacific Island American Perspectives I/HIST-160 U.S. History: Asian American and Pacific Island American Perspectives I, ETHN-161 U.S. History: Asian American and Pacific Island American Perspectives II, or ETHN-180 U.S. History: Black Perspectives I/HIST-180 U.S. History: Black Perspectives I, ETHN-181 U.S. History: Black Perspectives II/HIST-181 U.S. History: Black Perspectives II: maximum credit, one series.
- HIST-154 Early History of Women in World Civilization/GEND-154 Early History of Women in World Civilization: maximum credit, one course.
- HIST-155 Modern History of Women in World Civilization/GEND-155 Modern History of Women in World Civilization: maximum credit, one course.
- HUM-120 European Humanities, HUM-125 Women and Western Culture, HUM-130 East Asian Humanities and HUM-170 Modern World Humanities combined: maximum credit, two courses.
- MATH-120 Quantitative Reasoning, MATH-125 Structure and Concepts of Elementary Mathematics I and MATH-126 Structure and Concepts of Elementary Mathematics II credit can only be granted for either MATH-120 Quantitative Reasoning or MATH-125 Structure and Concepts of Elementary Mathematics I and MATH-126 Structure and Concepts of Elementary Mathematics II combined.
- MATH-160 Elementary Statistics/ANTH-215 Statistics for the Behavioral Sciences/BIO-215 Statistics for Life Sciences/ECON-215 Statistics for Business and Economics/PSY-215 Statistics for the Behavioral Sciences/SOC-215 Statistics for the Behavioral Sciences: maximum credit, one course.
- MATH-175 College Algebra and MATH-176 Precalculus: Functions and Graphs: combined: maximum credit, 5 semester units.
- MATH-178 Calculus for Business, Social and Behavioral Sciences and MATH-180 Analytic Geometry and Calculus I combined: maximum credit, one course.
- MUS-105 Music Theory and Practice I and MUS-106 Music Theory and Practice II combined with MUS-128 Music Theory for Guitar I and MUS-129 Music Theory for Guitar II: maximum credit, one series.
- OCEA-150 Field Study of the Natural History of the Greater San Diego Region/BIO-150 Field Study of the Natural History of the Greater San Diego Region/GEOG-150 Field Study of the Natural History of the Greater San Diego Region/GEOL-150 Field Study of the Natural History of the Greater San Diego Region: maximum credit, one course.
- PHOT-150 Introduction to Photography, PHOT-151 Personal Photographic Vision, PHOT-154 History of Photography: maximum credit, one course
- PHYC-110 Introductory Physics: No credit if taken after PHYC-130 Fundamentals of Physics or PHYC-140 Mechanics of Solids.
- PHYC-130 Fundamentals of Physics, PHYC-131 Fundamentals of Physics combined with PHYC-140 Mechanics of Solids, PHYC-240 Electricity, Magnetism, and Heat and PHYC-241 Light, Optics, and Modern Physics and PHYC-201 Mechanics and Waves, PHYC-202

Electricity, Magnetism, and Heat, PHYC-203 Light, Optics, and Modern Physics: maximum credit, one series. Deduct credit for duplication of topics.

- PSC-110 Introduction to the Physical Sciences and PSC-111 Introduction to Physical Sciences Laboratory: No credit if taken after a college course in Astronomy, Chemistry, Geology or Physics.
- PSY-125 Cross-Cultural Psychology/ETHN-125 Cross-Cultural Psychology: maximum credit, one course.
- PSY-138 Social Psychology/SOC-138 Social Psychology: maximum credit, one course.
- PSY-150 Developmental Psychology, FS-120 Human Development: maximum credit, one course.
- PSY-215 Statistics for the Behavioral Sciences/ECON-215 Statistics for Business and Economics/BIO-215 Statistics for Life Sciences/ANTH-215 Statistics for the Behavioral Sciences/SOC-215 Statistics for the Behavioral Sciences/MATH-160 Elementary Statistics: maximum credit, one course.
- SOC-114 Introduction to Race & Ethnicity/ETHN-114 Introduction to Race & Ethnicity: maximum credit, one course.
- SOC-138 Social Psychology/PSY-138 Social Psychology: maximum credit, one course.
- SOC-215 Statistics for the Behavioral Sciences/PSY-215 Statistics for the Behavioral Sciences/ECON-215 Statistics for Business and Economics/BIO-215 Statistics for Life Sciences/ANTH-215 Statistics for the Behavioral Sciences/MATH-160 Elementary Statistics: maximum credit, one course.

Associate in Arts for Transfer (AA-T) or Associate in Science for Transfer (AS-T)

California Community Colleges offer Associate Degrees for transfer to the CSU. These include Associate in Arts for Transfer (AA-T) and Associate in Science for Transfer (AS-T) degrees. These degrees are designed to provide a pathway to a CSU major and baccalaureate degree. California Community College students who are awarded an AA-T or AS-T degree and complete the CSU application process successfully are guaranteed admission with junior standing to the CSU system. Students also receive priority admission consideration to their local CSU campus. This priority does not guarantee admission to specific campuses or majors.

Students who have been awarded an AA-T or AS-T are able to complete their remaining requirements for the 120-unit baccalaureate degree within 60 semester or 90 quarter units at the California State University campus.

Associate Degrees for Transfer are listed in the Associate Degree Programs section of this catalog. To find out which CSU campuses accept each degree and to review their options for transfer, students are encouraged to visit the Transfer Center or meet with a counselor. Additional information and updates are also available on the Articulation website: <https://www.grossmont.edu/articulation> (<https://www.grossmont.edu/articulation/>).

The California State University (CSU)

The California State University system provides upper division educational programs for California community college transfer students.

Grossmont College students wishing to transfer to a California State University may choose from the following campuses:

CSU Bakersfield
 CSU Channel Islands
 Chico State

CSU Dominguez Hills
 Cal State East Bay
 Fresno State
 Cal State Fullerton
 Cal Poly Humboldt
 Cal State Long Beach
 Cal State LA
 Cal Maritime
 CSU Monterey Bay
 CSUN (Northridge)
 Cal Poly Pomona
 Sacramento State
 Cal State San Bernardino
 San Diego State
 San Francisco State
 San José State
 Cal Poly San Luis Obispo¹
 CSU San Marcos
 Sonoma State
 Stanislaus State

¹ A quarter term university.

CSU Admission Guarantee Programs

San Diego State University (SDSU) Transfer Admission Guarantee (TAG):

SDSU offers guaranteed admission to local admissions-area students for select majors. Grossmont College students are encouraged to review eligibility criteria and applicable majors available on SDSU's Transfer Pathways website <https://admissions.sdsu.edu/transfers/transfer-pathways> (<https://admissions.sdsu.edu/transfers/transfer-pathways/>).

The Grossmont Transfer Center website: <https://www.grossmont.edu/transfer-center/> includes updated information and resources. Students are encouraged to visit the Transfer Center, attend transfer workshops, and meet with a counselor for more information.

Applying For Admission

All California State Universities use Cal State Apply for their application process. You must apply for admission online at: <https://www2.calstate.edu/apply> (<https://www2.calstate.edu/apply/>). Carefully follow the instructions shown on the online application. The Transfer Center offers application assistance during the application filing periods listed below.

Term	Application Filing Period
Fall 2024	October 1, 2023-November 30, 2023
Winter 2025 ¹	June 1, 2024-June 30, 2024
Spring 2025 ¹	August 1, 2024-August 31, 2024

¹ Some CSU campuses may offer winter/spring admission cycles.

Supplemental applications and a Cal State application update are also required. Check the individual campus websites for more information. The Transfer Center offers assistance with supplemental applications and application updates in January each year.

Consult the following sections for information about transfer and admission requirements.

Courses Accepted For Transfer to the California State University (CSU)

Please check the ASSIST website (<https://www.assist.org>) or the course descriptions in the courses of instruction area of this catalog for CSU transferability. Courses identified as transferable are certified as transferable to any of the 23 CSU campuses. There are limitations transferring 199, 298 and 299 courses. For instance, 298 courses are non-degree and non-transfer. 299A courses do not transfer to universities. 299B courses transfer to the CSU but not the UC System. Meet with a counselor for further clarification.

Minimum Upper Division CSU Transfer Admission Requirements

To meet your upper division transfer requirements to the CSU, you must:

- have completed at least 60 transferable semester (90 quarter) units;
- have a grade point average of 2.00 (C) (2.40 for non-residents) or better in all transferable units attempted;
- be in good standing at the last college or university attended;
- have completed at least 30 semester (45 quarter) units of approved General Education coursework including "Golden Four" requirements in Written Communication, Oral Communication, Critical Thinking and Mathematics/Quantitative Reasoning. Refer to Plan B and Plan C in General Education & Transfer information (<https://catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/>).

Please note that these are minimum admission requirements. Students applying to impacted campuses and programs will likely need a higher GPA and specific major prep courses to be competitive.

Independent California Colleges and Universities

California's fully accredited independent colleges and universities provide a host of options at undergraduate, graduate, and professional levels for students planning to continue their education beyond community college and may include admission guarantee programs utilizing the Associate Degree for Transfer.

Students who transfer to independent colleges or universities find they are given academic credit for most, if not all, of their community college courses. The majority of institutions give full credit for general education courses and usually for other courses designated for transfer by the community college.

Some colleges and universities stipulate a certain number of completed units before considering students eligible for transfer. Others do not and will accept students at any time. The requirements are outlined in the respective college catalogs and websites.

Visit the Grossmont College Articulation website: <https://www.grossmont.edu/articulation/> or the Transfer Center: <https://www.grossmont.edu/transfer-center/> for major preparation and general education at selected universities. Independent institutions invite you to make an appointment with their Admissions Office to discuss your transfer opportunities on a personal basis.

Information regarding financial aid provided at independent four-year institutions may be available in the Financial Aid Office at Grossmont College.

Course Identification Numbering System (C-ID)

The Course Identification Numbering System (C-ID) is a statewide numbering system independent from the course numbers assigned by local California community colleges. A C-ID number next to a course signals that participating California colleges and universities have

determined that courses offered by other California community colleges are comparable in content and scope to courses offered on their own campuses, regardless of their unique titles or local course number. Thus, if a schedule of classes or catalog lists a course bearing a C-ID number, students at that college can be assured that it will be accepted in lieu of a course bearing the C-ID designation at another community college. However, students should always go to <https://www.assist.org> to confirm how each college's course will be accepted at a particular four-year college or university for transfer credit.

The C-ID numbering system is useful for students attending more than one community college and is applied to many of the transferable courses students need as preparation for transfer. Because these course requirements may change and because courses may be modified and qualified for or deleted from the C-ID database, students should always check with a counselor to determine how C-ID designated courses fit into their educational plans for transfer.

Grossmont Course	C-ID #
ANTH-120	ANTH 120
ANTH-130	ANTH 110
ANTH-131	ANTH 115 L
ANTH-140	ANTH 150
ANTH-215	MATH 110
ANTH-215	SOCI 125
AOJ-110	AJ 110
AOJ-125	AJ 200
AOJ-200	AJ 120
AOJ-202	AJ 124
AOJ-204	AJ 122
AOJ-206	AJ 140
AOJ-208	AJ 220
AOJ-240	AJ 160
ART-141	ARTH 120
ART-119	ARTS 270
ART-120	ARTS 100
ART-121	ARTS 210
ART-124	ARTS 110
ART-125	ARTS 205
ART-129	ARTS 101
ART-140	ARTH 110
ART-146	ARTH 130
ART-171	ARTS 250
ART-230	ARTS 200
BIO-140	BIOL 110 B
BIO-141, BIO-141L	BIOL 120 B
BIO-230	BIOL 190
BIO-240	BIOL 140
BUS-110	BUS 110
BUS-120	ACCT 110
BUS-121	ACCT 120
BUS-125	BUS 125
BUS-125	BUS 120
BUS-128	BUS 115
BUS-128	BUS 115

CD-125	CDEV 100
CD-130	ECE 130
CD-131	CDEV 110
CD-132	ECE 200
CD-133	ECE 210
CD-134	ECE 220
CD-153	ECE 230
CD-212	ECE 210
CD-213	ECE 200
CHEM-141	CHEM 110
CHEM-141, CHEM-142	CHEM 120 S
CHEM-231, CHEM-232	CHEM 160 S
COMM-120	COMM 130
COMM-122	COMM 110
COMM-124	COMM 150
COMM-135	COMM 170
COMM-137	COMM 140
COMM-145	COMM 120
COMM-240	COMM 160 B
CSIS-110	BUS 140
CSIS-110	ITIS 120
CSIS-165	COMP 142
CSIS-240	COMP 152
CSIS-293	COMP 112
CSIS-293	COMP 122
CSIS-294	COMP 132
ECON-120	ECON 202
ECON-121	ECON 201
ENGL-120	ENGL 100
ENGL-122	ENGL 120
ENGL-124	ENGL 105
ENGL-126	ENGL 200
ENGL-221	ENGL 160
ENGL-222	ENGL 165
ENGL-231	ENGL 130
ENGL-232	ENGL 135
ES-250	KIN 100
ESL-122	ENGL 100
ETHN-114	SOCI 150
GEND-116	SJS 120
GEND-117	SJS 130
GEOG-104	GEOG 155
GEOG-120	GEOG 110
GEOG-121	GEOG 111
GEOG-121	GEOL 120 L
GEOG-130	GEOG 120
GEOG-140	GEOG 130
GEOG-170	GEOG 140
GEOL-110	GEOL 100
GEOL-111	GEOL 100 L
GEOL-121	GEOL 111
HIST-100	HIST 150

HIST-101	HIST 160	NUTR-205	NUTR 120
HIST-105	HIST 170	PHIL-110	PHIL 100
HIST-106	HIST 180	PHIL-130	PHIL 110
HIST-108	HIST 130	PHIL-140	PHIL 120
HIST-109	HIST 140	PHYC-130	PHYS 105
MATH-160	MATH 110	PHYC-131	PHYS 110
MATH-178	MATH 140	PHYC-140	PHYS 205
MATH-180	MATH 210	PHYC-240	PHYS 210
MATH-180, MATH-280	MATH 900 S	PHYC-241	PHYS 215
MATH-281	MATH 230	PHYC-201	PHYS 205
MATH-284	MATH 250	PHYC-202	PHYS 210
MATH-285	MATH 240	PHYC-203	PHYS 215
MCOM-110	JOUR 100	POSC-120	POLS 150
MCOM-112	JOUR 110	POSC-121	POLS 110
MCOM-132A	JOUR 130	POSC-124	POLS 130
MCOM-132B	JOUR 131	POSC-130	POLS 140
MCOM-212	JOUR 120	POSC-150	POLS 120
MUS-105	MUS 120	PSY-120	PSY 110
MUS-106	MUS 130	PSY-134	PSY 130
MUS-132	MUS 170	PSY-138	PSY 170
MUS-133	MUS 171	PSY-140	PSY 150
MUS-138	MUS 180	PSY-150	PSY 180
MUS-139	MUS 180	PSY-170	PSY 120
MUS-150	MUS 180	PSY-205	PSY 200
MUS-151	MUS 180	PSY-215	MATH 110
MUS-152	MUS 180	PSY-215	SOC 125
MUS-153	MUS 180	SOC-114	SOCI 150
MUS-154	MUS 180	SOC-120	SOCI 110
MUS-155	MUS 180	SOC-125	SOCI 130
MUS-156	MUS 180	SOC-130	SOCI 115
MUS-157	MUS 180	SOC-138	PSY 170
MUS-166	MUS 180	SOC-140	SOCI 140
MUS-167	MUS 180	SOC-215	MATH 110
MUS-190	MUS 160	SOC-215	SOCI 125
MUS-191	MUS 160	SPAN-120	SPAN 100
MUS-205	MUS 140	SPAN-121	SPAN 110
MUS-206	MUS 150	SPAN-122	SPAN 220
MUS-232	MUS 172	SPAN-123	SPAN 230
MUS-238	MUS 180	SPAN-220	SPAN 200
MUS-239	MUS 180	SPAN-221	SPAN 210
MUS-250	MUS 180	THTR-101	THTR 114
MUS-251	MUS 180	THTR-102A	THTR 192
MUS-252	MUS 180	THTR-102B	THTR 192
MUS-253	MUS 180	THTR-102C	THTR 192
MUS-254	MUS 180	THTR-102D	THTR 192
MUS-255	MUS 180	THTR-103A	THTR 192
MUS-256	MUS 180	THTR-103B	THTR 192
MUS-257	MUS 180	THTR-103C	THTR 192
MUS-266	MUS 180	THTR-103D	THTR 192
MUS-267	MUS 180	THTR-104A	THTR 192
MUS-290	MUS 160	THTR-104B	THTR 192
MUS-291	MUS 160	THTR-104C	THTR 192

THTR-104D	THTR 192
THTR-110	THTR 111
THTR-111A	THTR 191
THTR-111B	THTR 191
THTR-111C	THTR 191
THTR-111D	THTR 191
THTR-112A	THTR 192
THTR-112B	THTR 192
THTR-112C	THTR 192
THTR-112D	THTR 192
THTR-122A	THTR 191
THTR-122B	THTR 191
THTR-122C	THTR 191
THTR-122D	THTR 191
THTR-123A	THTR 192
THTR-123B	THTR 192
THTR-123C	THTR 192
THTR-123D	THTR 192
THTR-130	THTR 151
THTR-131	THTR 152
THTR-134A	THTR 174
THTR-155	THTR 171
THTR-156	THTR 172
THTR-157	THTR 173

Plan B: Intersegmental General Education Transfer Curriculum (IGETC) 2023-2024

Official updates are available at <https://www.assist.org>.

The Intersegmental Committee of the Academic Senates approved the IGETC in Fall 1991. The IGETC is a series of courses that California Community College students can use to satisfy lower division general education requirements at any CSU or UC campus.

The IGETC will permit a student to transfer from a community college to a campus in either the California State University or the University of California system without the need, after transfer, to take additional lower-division, general education courses.

Completion of the IGETC is not a guarantee of admission or a requirement for transfer to a CSU or UC, nor is it the only way to fulfill the lower-division general education requirements of the CSU or UC prior to transfer. Students may find it advantageous to take courses fulfilling CSU's general education requirements or those of a particular UC campus.

Students completing the IGETC may be eligible for the University Studies Certificate of Achievement. Interested students should contact a counselor for further information.

General Education course choices for transfer and the associate degree may differ between Cuyamaca and Grossmont College. Each college strongly recommends that students visit the Counseling Centers for specific information if they plan to attend both campuses.

All courses in the IGETC must be completed with a "C" grade or higher or "Pass" (see four-year university limit on P/NP units) and all areas must be

completed and certified by the last community college attended prior to transfer.

If a student is approaching readiness for transfer and is unable to complete one or two IGETC courses, the student may be eligible to complete IGETC after transferring. Meet with a counselor or contact the Evaluations Office for more detailed information.

The following is subject to change.

Area 1 – English Communication

(CSU – 3 courses required, one each from Group A, B, and C.)

(UC – 2 courses required, one each from Group A and B.)

Code	Title	Units
1A. English Composition		
ENGL-120	College Composition and Reading	3
ESL-122	College Rhetoric	6
1B. Critical Thinking and English Composition		
ENGL-124	Advanced Composition: Critical Reasoning and Writing	3
1C. Oral Communication ¹		
COMM-120	Interpersonal Communication	3
COMM-122	Public Speaking	3
COMM-130	Fundamentals of Human Communication	3

¹ CSU requirement only.

Area 2 – Mathematical Concepts and Quantitative Reasoning

(1 course, 3 units)

Code	Title	Units
2A. Math		
ANTH-215	Statistics for the Behavioral Sciences	4
BIO-215	Statistics for Life Sciences	3
ECON-215	Statistics for Business and Economics	4
MATH-120	Quantitative Reasoning ¹	3
MATH-125	Structure and Concepts of Elementary Mathematics I ¹	3
MATH-126	Structure and Concepts of Elementary Mathematics II ¹	3
MATH-160	Elementary Statistics	4
MATH-175	College Algebra	4
MATH-176	Precalculus: Functions and Graphs	6
MATH-178	Calculus for Business, Social and Behavioral Sciences ¹	4
MATH-180	Analytic Geometry and Calculus I ¹	5
MATH-245	Discrete Mathematics	3
MATH-280	Analytic Geometry and Calculus II	4
MATH-281	Multivariable Calculus	4
MATH-284	Linear Algebra	3
MATH-285	Differential Equations	3
PSY-215	Statistics for the Behavioral Sciences	4
SOC-215	Statistics for the Behavioral Sciences	4

¹ Note: See page __ for UC credit limitations.

Area 3 – Arts and Humanities

(9 semester units)

Must include one course from Arts and one course from Humanities.

Code	Title	Units
3A. Arts		
ART-100	Art Appreciation	3
ART-120	Two-Dimensional Design	3
ART-130	Sculpture I	3
ART-140	Survey of Western Art I: Prehistory Through Middle Ages	3
ART-141	Survey of Western Art II: Renaissance Through Modern	3
ART-142	Art of Africa, Oceania and the Americas	3
ART-143	Modern Art	3
ART-145	Contemporary Art	3
ART-146	Asian Art	3
ART-147	American Art	3
DANC-110	Dance History	3
DANC-120	Dance Appreciation	3
ETHN-126	Chicano/Chicana and Mexican Art	3
ETHN-134	Introduction to American Indian Art	3
MUS-110	Great Music Listening	3
MUS-111	The History of Jazz	3
MUS-115	The History of Rock Music	3
MUS-116	Introduction to World Music	3
MUS-117	Introduction to Music History and Literature	3
MUS-123	History of Hip Hop Culture	3
PHOT-154	History of Photography	3
THTR-101	Introduction to Narrative Theory	3
THTR-110	Introduction to the Theatre	3
THTR-144	20th Century Fashion and Costume	3
THTR-205	The American Musical on Stage and Screen	3
3B. Humanities		
ASL-121	American Sign Language II	4
ASL-140	Inside Deaf Culture	3
ASL-220	American Sign Language III	4
ASL-221	American Sign Language IV	4
ARBC-121	Arabic II	5
ARBC-123	Arabic for the Arabic Speaker II	5
ARBC-148	Language, Culture, and Literature of the Arab World	3
ARBC-220	Arabic III	5
ARBC-221	Arabic IV	5
CHIN-121	Chinese II	5
CHIN-220	Chinese III	5
CHIN-221	Chinese IV	5
COMM-144	Communication Studies: Race and Ethnicity	3
ENGL-122	Introduction to Literature	3
ENGL-201	Women, Gender, and Sexuality in Literature	3
ENGL-215	Mythology	3
ENGL-217	Fantasy and Science Fiction	3
ENGL-218	Shakespeare - His Plays and the Theatre of His Time	3
ENGL-219	Views of Death and Dying in Literature	3
ENGL-221	British Literature I	3
ENGL-222	British Literature II	3
ENGL-231	American Literature I	3
ENGL-232	American Literature II	3
ENGL-236	Chicana/o Literature	3
ENGL-237	American Indian Literature	3
ENGL-238	Black Literature	3
ESL-115	Exploring U.S. Cultures	6
ETHN-135	San Diego County American Indian Tribes	3
ETHN-143	Images of Black Women	3
ETHN-144	Communication Studies: Race and Ethnicity	3
ETHN-236	Chicana/o Literature	3
ETHN-237	American Indian Literature	3
ETHN-238	Black Literature	3
FREN-121	French II	5
FREN-152	The French-Speaking World: A Cross- - Cultural Perspective	3
FREN-220	French III	5
FREN-221	French IV	5
GERM-121	German II	5
GERM-220	German III	5
GERM-221	German IV	5
HIST-100	Early World History	3
HIST-101	Modern World History	3
HIST-103	Twentieth Century World History	3
HIST-105	Early Western Civilization	3
HIST-106	Modern Western Civilization	3
HIST-126	History of Mexico	3
HIST-135	Ancient History of Western Civilization	3
HIST-136	Survey of Medieval History	3
HIST-137	History of East Asia	3
HIST-148	Modern Middle East History	3
HUM-110	Principles of the Humanities	3
HUM-120	European Humanities	3
HUM-125	Women and Western Culture	3
HUM-130	East Asian Humanities	3
HUM-135	Blues as Literature, History, and Culture	3
HUM-140	Humanities of the Americas	3
HUM-170	Modern World Humanities	3
ITAL-121	Italian II	5
ITAL-220	Italian III	5
ITAL-221	Italian IV	5
JAPN-121	Japanese II	5
JAPN-149	Japanese Culture and Civilization	3
JAPN-220	Japanese III	5

JAPN-221	Japanese IV	5
PHIL-110	A General Introduction to Philosophy	3
PHIL-111	Philosophy and Popular Culture	3
PHIL-120	Asian and Pacific Philosophies	3
PHIL-140	Problems in Ethics	3
PHIL-141	Bioethics	3
PHIL-145	Social and Political Philosophy	3
PHIL-150	The Philosophy of Art	3
PHIL-155	The Philosophy of Science	3
PHIL-160	Latin American Philosophy	3
RELG-120	World Religions	3
RELG-130	Scriptures of World Religions	3
RELG-140	Religion and Culture	3
RELG-150	Scriptures of India and China	3
RELG-165	Religion in America	3
RELG-170	Introduction to Christianity	3
RUSS-121	Russian II	5
RUSS-220	Russian III	5
RUSS-221	Russian IV	5
SPAN-121	Spanish II	5
SPAN-123	Spanish for the Native Speaker II	5
SPAN-141	Spanish and Latin American Cultures	3
SPAN-220	Spanish III	5
SPAN-221	Spanish IV	5
THTR-143	Historic Costume for the Theatre	3
THTR-144	20th Century Fashion and Costume	3
ETHN-119	U.S. History: Chicano/Chicana Perspective II	3
ETHN-125	Cross-Cultural Psychology	3
ETHN-127	La Chicana	3
ETHN-128	Introduction to Chicana/o Studies	3
ETHN-130	U.S. History and Cultures: Native American Perspectives I	3
ETHN-131	U.S. History and Cultures: Native American Perspectives II	3
ETHN-135	San Diego County American Indian Tribes	3
ETHN-143	Images of Black Women	3
ETHN-144	Communication Studies: Race and Ethnicity	3
ETHN-145	Introduction to Black Studies	3
ETHN-160	U.S. History: Asian American and Pacific Island American Perspectives I	3
ETHN-161	U.S. History: Asian American and Pacific Island American Perspectives II	3
ETHN-180	U.S. History: Black Perspectives I	3
ETHN-181	U.S. History: Black Perspectives II	3
FS-115	Changing American Family	3
FS-120	Human Development	3
GEOG-100	Introduction to Global Studies	3
GEOG-101	Global Issues	3
GEOG-106	World Regional Geography	3
GEOG-130	Human Geography: The Cultural Landscape	3
GEOG-170	The Geography of California	3
GEND-116	Introduction to Women's Studies	3
GEND-117	Introduction to LGBTQ Studies	3
GEND-154	Early History of Women in World Civilization	3
GEND-155	Modern History of Women in World Civilization	3
HIST-100	Early World History	3
HIST-101	Modern World History	3
HIST-103	Twentieth Century World History	3
HIST-105	Early Western Civilization	3
HIST-106	Modern Western Civilization	3
HIST-107	History of Race & Ethnicity in the United States	3
HIST-108	Early American History	3
HIST-109	Modern American History	3
HIST-113	American Military History	3
HIST-114	Comparative History of the Early Americas	3
HIST-115	Comparative History of the Modern Americas	3
HIST-118	U.S. History: Chicano/Chicana Perspectives I	3
HIST-119	U.S. History: Chicano/Chicana Perspectives II	3
HIST-122	Women in Early American History	3
HIST-123	Women in Modern American History	3
HIST-124	History of California	3
HIST-126	History of Mexico	3

Area 4 – Social and Behavioral Sciences

(6 semester units)

Two courses required from at least two disciplines.

Code	Title	Units
AOJ-110	Introduction to Administration of Justice	3
ANTH-120	Cultural Anthropology	3
ANTH-122	Anthropology of Magic, Witchcraft, and Religion	3
ANTH-127	Cultures of Latin America	3
ANTH-140	Introduction to Archaeology	3
CD-115	Changing American Family	3
CD-125	Child Growth and Development	3
COMM-124	Intercultural Communication	3
COMM-144	Communication Studies: Race and Ethnicity	3
ECON-110	Economic Issues and Policies	3
ECON-120	Principles of Macroeconomics	3
ECON-121	Principles of Microeconomics	3
ECON-261	Economic Relations of the Asia Pacific	3
ETHN-107	History of Race & Ethnicity in the United States	3
ETHN-114	Introduction to Race & Ethnicity	3
ETHN-115	Introduction to Cultural Competence	3
ETHN-118	U.S. History: Chicano/Chicana Perspectives I	3

HIST-130	U.S. History and Cultures: Native American Perspectives I	3
HIST-131	U.S. History and Cultures: Native American Perspectives II	3
HIST-136	Survey of Medieval History	3
HIST-137	History of East Asia	3
HIST-148	Modern Middle East History	3
HIST-154	Early History of Women in World Civilization	3
HIST-155	Modern History of Women in World Civilization	3
HIST-160	U.S. History: Asian American and Pacific Island American Perspectives I	3
HIST-161	U.S. History: Asian American and Pacific Island American Perspectives II	3
HIST-180	U.S. History: Black Perspectives I	3
HIST-181	U.S. History: Black Perspectives II	3
MCOM-110	Mass Media and Society	3
POSC-120	Introduction to Politics and Political Analysis	3
POSC-121	Introduction to U.S. Government and Politics	3
POSC-124	Introduction to Comparative Government and Politics	3
POSC-130	Introduction to International Relations	3
POSC-140	Introduction to California Governments and Politics	3
POSC-145	Introduction to Latin American Government and Politics	3
POSC-147	Introduction to Middle East Government and Politics	3
POSC-148	American Foreign Policy	3
POSC-155	State and Society in the Asia Pacific	3
POSC-160	Politics in Film	3
PSY-120	Introductory Psychology	3
PSY-125	Cross-Cultural Psychology	3
PSY-134	Human Sexuality	3
PSY-138	Social Psychology	3
PSY-140	Physiological Psychology	3
PSY-150	Developmental Psychology	3
PSY-170	Abnormal Psychology	3
PSY-211	Cognitive Psychology	3
PSY-220	Learning	3
SOC-114	Introduction to Race & Ethnicity	3
SOC-120	Introductory Sociology	3
SOC-125	Marriage, Family, and Alternate Lifestyles	3
SOC-130	Contemporary Social Problems	3
SOC-138	Social Psychology	3
SOC-140	Sex and Gender Across Cultures	3
SOC-150	Latinx Communities in the United States	3

Area 5 – Physical and Biological Sciences

(7-9 semester units)

Must include one course in Physical Science and one course in Biological Science. One of the courses must include a laboratory.

Code	Title	Units
5A. Physical Science		
ASTR-110	Descriptive Astronomy ¹	3
ASTR-120	Exploration of the Solar System ¹	3
CHEM-102	Introduction to General, Organic and Biological Chemistry	5
CHEM-110	Environmental Chemistry ¹	3
CHEM-113	Forensic Chemistry	4
CHEM-115	Fundamentals of Chemistry	4
CHEM-116	Introductory Organic and Biochemistry	4
CHEM-120	Preparation for General Chemistry	4
CHEM-141	General Chemistry I	5
CHEM-142	General Chemistry II	5
CHEM-231	Organic Chemistry I	5
CHEM-232	Organic Chemistry II	5
CHEM-241	Organic Chemistry I Lecture ¹	3
CHEM-242	Organic Chemistry II Lecture ¹	3
GEOG-120	Physical Geography: Earth Systems ¹	3
GEOG-140	Meteorology: Weather and Climate ¹	3
GEOL-104	Earth Science	3
GEOL-110	Planet Earth ¹	3
GEOL-121	Earth History	4
GEOL-210	Geology of California ¹	3
OCEA-112	Introduction to Oceanography ¹	3
PSC-100	Physical Science for Elementary Education ¹	3
PSC-110	Introduction to the Physical Sciences ¹	3
PHYC-110	Introductory Physics	4
PHYC-130	Fundamentals of Physics	4
PHYC-131	Fundamentals of Physics	4
PHYC-140	Mechanics of Solids	4
PHYC-201	Mechanics and Waves	5
PHYC-202	Electricity, Magnetism, and Heat	5
PHYC-203	Light, Optics, and Modern Physics	5
PHYC-240	Electricity, Magnetism, and Heat	4
PHYC-241	Light, Optics, and Modern Physics	4
SCI-110	Introduction to Scientific Thought ¹	3
5B. Biological Science		
ANTH-130	Introduction to Biological Anthropology ¹	3
BIO-105	Marine Biology	4
BIO-110	Environmental Biology	4
BIO-112	Contemporary Issues in Environmental Resources ¹	3
BIO-114	Heredity, Evolution and Society ¹	3
BIO-118	Introduction to Human Biology ¹	3
BIO-120	Principles of Biology	4
BIO-140	Human Anatomy	4
BIO-141	Human Physiology ¹	3
BIO-144	Anatomy and Physiology I	4
BIO-145	Anatomy and Physiology II	4

BIO-152	Paramedical Microbiology	5
BIO-230	Principles of Cellular, Molecular and Evolutionary Biology	4
BIO-240	Principles of Ecology, Evolution and Organismal Biology	5
CHEM-117	Introductory Biochemistry	3
5C. Laboratory²		
ANTH-131	Biological Anthropology Laboratory	1
ASTR-112	General Astronomy Laboratory	1
BIO-141L	Laboratory in Human Physiology	1
CHEM-241L	Organic Chemistry I Laboratory	2
CHEM-242L	Organic Chemistry II Laboratory	2
GEOG-121	Physical Geography: Earth Systems Laboratory	1
GEOL-111	Planet Earth Laboratory	1
OCEA-113	Oceanography Laboratory	1
PSC-111	Introduction to Physical Sciences Laboratory	1

¹ Course does not contain a laboratory component.

² Take one course in this section if lab course not taken from a 5A or 5B. The lab must complement the science lecture course.

Area 6 – Languages Other Than English

(UC requirement only)

Proficiency is demonstrated through one of the following:

1. completion of two years of high school study in the same language with a “C” grade or higher (verified by high school transcript);
2. complete one of the courses listed in IGETC, area 6A;
3. Students may also meet with a Counselor for other verification options.

6A. Languages Other Than English

Code	Title	Units
ASL-120	American Sign Language I	4
ASL-121	American Sign Language II	4
ASL-220	American Sign Language III	4
ASL-221	American Sign Language IV	4
ARBC-120	Arabic I	5
ARBC-121	Arabic II	5
ARBC-122	Arabic for the Arabic Speaker I	5
ARBC-123	Arabic for the Arabic Speaker II	5
ARBC-220	Arabic III	5
ARBC-221	Arabic IV	5
ARBC-250	Conversational Arabic I	3
ARBC-251	Conversational Arabic II	3
CHIN-120	Chinese I	5
CHIN-121	Chinese II	5
CHIN-220	Chinese III	5
CHIN-221	Chinese IV	5
CHIN-250	Conversational Chinese I	3
CHIN-251	Conversational Chinese II	3
FREN-120	French I	5

FREN-121	French II	5
FREN-220	French III	5
FREN-221	French IV	5
FREN-250	Conversational French I	3
FREN-251	Conversational French II	3
GERM-120	German I	5
GERM-121	German II	5
GERM-220	German III	5
GERM-221	German IV	5
GERM-250	Conversational German I	3
GERM-251	Conversational German II	3
ITAL-120	Italian I	5
ITAL-121	Italian II	5
ITAL-220	Italian III	5
ITAL-221	Italian IV	5
ITAL-250	Conversational Italian I	3
ITAL-251	Conversational Italian II	3
JAPN-120	Japanese I	5
JAPN-121	Japanese II	5
JAPN-220	Japanese III	5
JAPN-221	Japanese IV	5
JAPN-250	Conversational Japanese I	3
JAPN-251	Conversational Japanese II	3
RUSS-120	Russian I	5
RUSS-121	Russian II	5
RUSS-220	Russian III	5
RUSS-221	Russian IV	5
RUSS-250	Conversational Russian I	3
RUSS-251	Conversational Russian II	3
SPAN-120	Spanish I	5
SPAN-121	Spanish II	5
SPAN-122	Spanish for the Native Speaker I	5
SPAN-123	Spanish for the Native Speaker II	5
SPAN-220	Spanish III	5
SPAN-221	Spanish IV	5
SPAN-250	Conversational Spanish I	3
SPAN-251	Conversational Spanish II	3

Area 7 - Ethnic Studies

(1 course, 3 units)

Code	Title	Units
ENGL-236	Chicana/o Literature	3
ETHN-107	History of Race & Ethnicity in the United States	3
ETHN-114	Introduction to Race & Ethnicity	3
ETHN-236	Chicana/o Literature	3
HIST-107	History of Race & Ethnicity in the United States	3
SOC-114	Introduction to Race & Ethnicity	3

U.S. History, Constitution and American Ideals

CSU Graduation Requirement in U.S. History, Constitution, and American Ideals (American Institutions) is not part of IGETC but may be completed

prior to transfer to CSU. Refer to Plan C in General Education & Transfer information (<https://catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/>) for a list of courses to satisfy this requirement.

IGETC for STEM

Students pursuing an Associate Degree for Transfer in Biology and/or Chemistry are eligible to take IGETC for STEM deferring two lower-division GE courses until after transfer. IGETC for STEM is applicable only to Biology and Chemistry majors in which the Transfer Model Curriculum explicitly indicates the availability of the option. Students using IGETC for STEM may delay until after transfer.

1. One general education course in Area 3 (Arts and Humanities); and
2. One general education course in Area 4 (Social and Behavioral Sciences).

It is strongly recommended that students consult with a counselor to determine which general education pattern is most appropriate for their individual educational goals.

Plan C: California State University General Education Breadth Requirements (CSU GE) 2023-2024

California State University General Education Breadth Requirements (CSU GE)

There is no catalog year or rule of continuing attendance for general education breadth requirements certification. A course is certifiable if, and only if, it was on the approved general education breadth requirements list at the time the course was taken. Please check <https://www.assist.org> or with a counselor if you have any questions.

Students who plan to transfer to San Diego State University and other campuses of the California State University (CSU) system are reminded to request certification of their general education courses. Grossmont College will certify that the minimum general education requirements have been satisfied through completion of Grossmont College courses selected from the CSU General Education Breadth (CSU GE) or Intersegmental General Education Transfer Curriculum (IGETC). Certification should be requested at the Grossmont College Admissions and Records Office during the last semester or summer session of attendance at Grossmont College and after acceptance to a CSU campus. **Certification is not automatic and must be requested by the student if required by the CSU.**

Certification is a legal agreement between the CSU system and the California Community Colleges. It is authorized by state law to guarantee that lower division CSU GE requirements have been satisfied for the California State University campuses.

Grossmont College will certify each course in the CSU GE in Areas A through F, with a minimum of 39 units. Coursework from all other accredited colleges and universities, including private and out-of-state, will also be reviewed for certification. Failure to complete full certification will cause courses to be reviewed differently at each campus.

The CSU system requires 9 additional units of general education coursework at the upper division level.

Report any problems encountered with certification of CSU GE to a counselor or the Articulation Officer at Grossmont College. The counselor will assist you in trying to resolve any transfer or certification problem.

General Education course choices for transfer and the associate degree may differ between Cuyamaca and Grossmont College. Each college strongly recommends that students visit the Counseling Centers for specific information if they plan to attend both campuses.

The following is subject to change.

Area A – English Language, Communication and Critical Thinking

Three courses (a minimum of nine units) are required in Communication, English, and Critical Thinking. At least **one** course must be taken from **each** of the following three sections:

Note: All three courses are required for admission to all CSU campuses, and must be completed with a “C” grade or higher or “Pass”.

Code	Title	Units
1. Oral Communication		
COMM-120	Interpersonal Communication	3
COMM-122	Public Speaking	3
COMM-130	Fundamentals of Human Communication	3
2. Written Communication		
ENGL-120	College Composition and Reading	3
ESL-122	College Rhetoric	6
3. Critical Thinking		
COMM-137	Critical Thinking in Group Communication	3
COMM-145	Argumentation	3
ENGL-124	Advanced Composition: Critical Reasoning and Writing	3
PHIL-125	Critical Thinking	3
PHIL-130	Logic	3
SCI-110	Introduction to Scientific Thought	3

Area B – Scientific Inquiry and Quantitative Reasoning

Three courses (a minimum of nine units) are required in Physical Sciences, Life Sciences and Mathematical Applications. One lab course must be included from the sciences. The lab must complement the science lecture course.

Code	Title	Units
1. Physical Science		
ASTR-110	Descriptive Astronomy ¹	3
ASTR-120	Exploration of the Solar System ¹	3
CHEM-102	Introduction to General, Organic and Biological Chemistry	5
CHEM-110	Environmental Chemistry ¹	3
CHEM-113	Forensic Chemistry	4
CHEM-115	Fundamentals of Chemistry	4
CHEM-116	Introductory Organic and Biochemistry	4
CHEM-120	Preparation for General Chemistry	4
CHEM-141	General Chemistry I	5
CHEM-142	General Chemistry II	5
CHEM-231	Organic Chemistry I	5

CHEM-232	Organic Chemistry II	5
CHEM-241	Organic Chemistry I Lecture ¹	3
CHEM-242	Organic Chemistry II Lecture ¹	3
GEOG-120	Physical Geography: Earth Systems ¹	3
GEOG-140	Meteorology: Weather and Climate ¹	3
GEOL-104	Earth Science ¹	3
GEOL-110	Planet Earth ¹	3
GEOL-121	Earth History	4
GEOL-210	Geology of California ¹	3
GEOL-220	Geology of the National Parks ¹	3
OCEA-112	Introduction to Oceanography ¹	3
PSC-100	Physical Science for Elementary Education ¹	3
PSC-110	Introduction to the Physical Sciences ¹	3
PHYC-110	Introductory Physics	4
PHYC-130	Fundamentals of Physics	4
PHYC-131	Fundamentals of Physics	4
PHYC-140	Mechanics of Solids	4
PHYC-201	Mechanics and Waves	5
PHYC-202	Electricity, Magnetism, and Heat	5
PHYC-203	Light, Optics, and Modern Physics	5
PHYC-240	Electricity, Magnetism, and Heat	4
PHYC-241	Light, Optics, and Modern Physics	4
SCI-110	Introduction to Scientific Thought ¹	3
2. Life Science		
ANTH-130	Introduction to Biological Anthropology ¹	3
BIO-105	Marine Biology	4
BIO-110	Environmental Biology	4
BIO-112	Contemporary Issues in Environmental Resources ¹	3
BIO-114	Heredity, Evolution and Society ¹	3
BIO-118	Introduction to Human Biology ¹	3
BIO-120	Principles of Biology	4
BIO-140	Human Anatomy	4
BIO-141	Human Physiology ¹	3
BIO-144	Anatomy and Physiology I	4
BIO-145	Anatomy and Physiology II	4
BIO-152	Paramedical Microbiology	5
BIO-230	Principles of Cellular, Molecular and Evolutionary Biology	4
BIO-240	Principles of Ecology, Evolution and Organismal Biology	5
CHEM-117	Introductory Biochemistry	3
3. Laboratory		
ANTH-131	Biological Anthropology Laboratory	1
ASTR-112	General Astronomy Laboratory	1
BIO-141L	Laboratory in Human Physiology	1
CHEM-241L	Organic Chemistry I Laboratory	2
CHEM-242L	Organic Chemistry II Laboratory	2
GEOG-121	Physical Geography: Earth Systems Laboratory	1
GEOL-111	Planet Earth Laboratory	1
OCEA-113	Oceanography Laboratory	1

PSC-111	Introduction to Physical Sciences Laboratory	1
4. Mathematical/Quantitative Reasoning ²		
ANTH-215	Statistics for the Behavioral Sciences	4
BIO-215	Statistics for Life Sciences	3
CSIS-240	Discrete Structures	3
ECON-215	Statistics for Business and Economics	4
MATH-120	Quantitative Reasoning	3
MATH-125	Structure and Concepts of Elementary Mathematics I	3
MATH-126	Structure and Concepts of Elementary Mathematics II	3
MATH-160	Elementary Statistics	4
MATH-170	Analytic Trigonometry	3
MATH-175	College Algebra	4
MATH-176	Precalculus: Functions and Graphs	6
MATH-178	Calculus for Business, Social and Behavioral Sciences	4
MATH-180	Analytic Geometry and Calculus I	5
MATH-245	Discrete Mathematics	3
MATH-280	Analytic Geometry and Calculus II	4
MATH-281	Multivariable Calculus	4
MATH-284	Linear Algebra	3
MATH-285	Differential Equations	3
PSC-120	Fundamentals of Scientific Computing (MATLAB)	4
PSY-215	Statistics for the Behavioral Sciences	4
SOC-215	Statistics for the Behavioral Sciences	4

¹ Course does not contain a laboratory component.

² One course is required for admission to all CSU campuses, and must be completed with a "C" grade or higher or "Pass".

Area C – Arts and Humanities

Three courses (a minimum of nine units) are required, with at least **one** course in **each** section.

Code	Title	Units
1. Arts		
ART-100	Art Appreciation	3
ART-120	Two-Dimensional Design	3
ART-126	Ceramics I	3
ART-130	Sculpture I	3
ART-140	Survey of Western Art I: Prehistory Through Middle Ages	3
ART-141	Survey of Western Art II: Renaissance Through Modern	3
ART-142	Art of Africa, Oceania and the Americas	3
ART-143	Modern Art	3
ART-145	Contemporary Art	3
ART-146	Asian Art	3
ART-147	American Art	3
DANC-110	Dance History	3
DANC-120	Dance Appreciation	3

ETHN-126	Chicano/Chicana and Mexican Art	3	ENGL-231	American Literature I	3
ETHN-134	Introduction to American Indian Art	3	ENGL-232	American Literature II	3
HUM-110	Principles of the Humanities	3	ENGL-236	Chicana/o Literature	3
HUM-120	European Humanities	3	ENGL-237	American Indian Literature	3
MCOM-111	Introduction to Film Analysis	3	ENGL-238	Black Literature	3
MUS-110	Great Music Listening	3	ENGL-239	Asian American Literature	3
MUS-111	The History of Jazz	3	ENGL-271	World Literature II	3
MUS-115	The History of Rock Music	3	ESL-115	Exploring U.S. Cultures	6
MUS-116	Introduction to World Music	3	ETHN-135	San Diego County American Indian Tribes	3
MUS-117	Introduction to Music History and Literature	3	ETHN-143	Images of Black Women	3
MUS-123	History of Hip Hop Culture	3	ETHN-144	Communication Studies: Race and Ethnicity	3
PHOT-154	History of Photography	3	ETHN-236	Chicana/o Literature	3
RELG-140	Religion and Culture	3	ETHN-237	American Indian Literature	3
THTR-101	Introduction to Narrative Theory	3	ETHN-238	Black Literature	3
THTR-110	Introduction to the Theatre	3	ETHN-239	Asian American Literature	3
THTR-143	Historic Costume for the Theatre	3	FREN-120	French I	5
THTR-144	20th Century Fashion and Costume	3	FREN-121	French II	5
THTR-205	The American Musical on Stage and Screen	3	FREN-152	The French-Speaking World: A Cross - Cultural Perspective	3
2. Humanities					
ASL-120	American Sign Language I	4	FREN-220	French III	5
ASL-121	American Sign Language II	4	FREN-221	French IV	5
ASL-140	Inside Deaf Culture	3	FREN-250	Conversational French I	3
ASL-220	American Sign Language III	4	FREN-251	Conversational French II	3
ASL-221	American Sign Language IV	4	GERM-120	German I	5
ARBC-120	Arabic I	5	GERM-121	German II	5
ARBC-121	Arabic II	5	GERM-220	German III	5
ARBC-122	Arabic for the Arabic Speaker I	5	GERM-221	German IV	5
ARBC-123	Arabic for the Arabic Speaker II	5	GERM-250	Conversational German I	3
ARBC-148	Language, Culture, and Literature of the Arab World	3	GERM-251	Conversational German II	3
ARBC-220	Arabic III	5	HIST-100	Early World History	3
ARBC-221	Arabic IV	5	HIST-101	Modern World History	3
ARBC-250	Conversational Arabic I	3	HIST-103	Twentieth Century World History	3
ARBC-251	Conversational Arabic II	3	HIST-105	Early Western Civilization	3
CHIN-120	Chinese I	5	HIST-106	Modern Western Civilization	3
CHIN-121	Chinese II	5	HIST-126	History of Mexico	3
CHIN-220	Chinese III	5	HIST-135	Ancient History of Western Civilization	3
CHIN-221	Chinese IV	5	HIST-136	Survey of Medieval History	3
CHIN-250	Conversational Chinese I	3	HIST-137	History of East Asia	3
CHIN-251	Conversational Chinese II	3	HIST-148	Modern Middle East History	3
COMM-136	Readers Theatre	3	HUM-110	Principles of the Humanities	3
COMM-144	Communication Studies: Race and Ethnicity	3	HUM-120	European Humanities	3
ENGL-122	Introduction to Literature	3	HUM-125	Women and Western Culture	3
ENGL-201	Women, Gender, and Sexuality in Literature	3	HUM-130	East Asian Humanities	3
ENGL-215	Mythology	3	HUM-135	Blues as Literature, History, and Culture	3
ENGL-217	Fantasy and Science Fiction	3	HUM-140	Humanities of the Americas	3
ENGL-218	Shakespeare - His Plays and the Theatre of His Time	3	HUM-160	Humanities of the Future	3
ENGL-219	Views of Death and Dying in Literature	3	HUM-170	Modern World Humanities	3
ENGL-221	British Literature I	3	ITAL-120	Italian I	5
ENGL-222	British Literature II	3	ITAL-121	Italian II	5
			ITAL-220	Italian III	5
			ITAL-221	Italian IV	5

ITAL-250	Conversational Italian I	3	ANTH-140	Introduction to Archaeology	3
ITAL-251	Conversational Italian II	3	CD-115	Changing American Family	3
JAPN-120	Japanese I	5	CD-125	Child Growth and Development	3
JAPN-121	Japanese II	5	CD-131	Child, Family and Community	3
JAPN-149	Japanese Culture and Civilization	3	CD-145	Child Abuse and Family Violence in Our Society	3
JAPN-220	Japanese III	5	COMM-124	Intercultural Communication	3
JAPN-221	Japanese IV	5	COMM-128	Global Communication	3
JAPN-250	Conversational Japanese I	3	COMM-144	Communication Studies: Race and Ethnicity	3
JAPN-251	Conversational Japanese II	3	ECON-110	Economic Issues and Policies	3
PHIL-110	A General Introduction to Philosophy	3	ECON-120	Principles of Macroeconomics	3
PHIL-111	Philosophy and Popular Culture	3	ECON-121	Principles of Microeconomics	3
PHIL-120	Asian and Pacific Philosophies	3	ECON-125	Economic History of the United States	3
PHIL-140	Problems in Ethics	3	ECON-130	Comparative Economic Systems	3
PHIL-141	Bioethics	3	ECON-135	Environmental Economics	3
PHIL-145	Social and Political Philosophy	3	ECON-261	Economic Relations of the Asia Pacific	3
PHIL-150	The Philosophy of Art	3	ETHN-114	Introduction to Race & Ethnicity	3
PHIL-155	The Philosophy of Science	3	ETHN-115	Introduction to Cultural Competence	3
PHIL-160	Latin American Philosophy	3	ETHN-118	U.S. History: Chicano/Chicana Perspectives I	3
RELG-110	Introduction to the Study of Religion	3	ETHN-119	U.S. History: Chicano/Chicana Perspective II	3
RELG-120	World Religions	3	ETHN-125	Cross-Cultural Psychology	3
RELG-130	Scriptures of World Religions	3	ETHN-127	La Chicana	3
RELG-140	Religion and Culture	3	ETHN-128	Introduction to Chicana/o Studies	3
RELG-150	Scriptures of India and China	3	ETHN-130	U.S. History and Cultures: Native American Perspectives I	3
RELG-165	Religion in America	3	ETHN-131	U.S. History and Cultures: Native American Perspectives II	3
RELG-170	Introduction to Christianity	3	ETHN-135	San Diego County American Indian Tribes	3
RUSS-120	Russian I	5	ETHN-137	American Indian Culture and Heritage	3
RUSS-121	Russian II	5	ETHN-138	The History and Cultures of California Indians	3
RUSS-220	Russian III	5	ETHN-143	Images of Black Women	3
RUSS-221	Russian IV	5	ETHN-144	Communication Studies: Race and Ethnicity	3
RUSS-250	Conversational Russian I	3	ETHN-145	Introduction to Black Studies	3
RUSS-251	Conversational Russian II	3	ETHN-160	U.S. History: Asian American and Pacific Island American Perspectives I	3
SPAN-120	Spanish I	5	ETHN-161	U.S. History: Asian American and Pacific Island American Perspectives II	3
SPAN-121	Spanish II	5	ETHN-180	U.S. History: Black Perspectives I	3
SPAN-122	Spanish for the Native Speaker I	5	ETHN-181	U.S. History: Black Perspectives II	3
SPAN-123	Spanish for the Native Speaker II	5	FS-115	Changing American Family	3
SPAN-141	Spanish and Latin American Cultures	3	FS-120	Human Development	3
SPAN-145	Hispanic Civilizations ¹	3	GEND-116	Introduction to Women's Studies	3
SPAN-220	Spanish III	5	GEND-154	Early History of Women in World Civilization	3
SPAN-221	Spanish IV	5	GEND-155	Modern History of Women in World Civilization	3
SPAN-250	Conversational Spanish I	3	GEOG-100	Introduction to Global Studies	3
SPAN-251	Conversational Spanish II	3	GEOG-101	Global Issues	3
THTR-143	Historic Costume for the Theatre	3	GEOG-106	World Regional Geography	3
THTR-144	20th Century Fashion and Costume	3			

Area D – Social Sciences

Two courses (a minimum of six semester units) are required.

Code	Title	Units
AOJ-110	Introduction to Administration of Justice	3
ANTH-120	Cultural Anthropology	3
ANTH-122	Anthropology of Magic, Witchcraft, and Religion	3
ANTH-127	Cultures of Latin America	3

GEOG-130	Human Geography: The Cultural Landscape	3
GEOG-170	The Geography of California	3
HIST-100	Early World History	3
HIST-101	Modern World History	3
HIST-103	Twentieth Century World History	3
HIST-105	Early Western Civilization	3
HIST-106	Modern Western Civilization	3
HIST-107	History of Race & Ethnicity in the United States	3
HIST-108	Early American History	3
HIST-109	Modern American History	3
HIST-113	American Military History	3
HIST-114	Comparative History of the Early Americas	3
HIST-115	Comparative History of the Modern Americas	3
HIST-118	U.S. History: Chicano/Chicana Perspectives I	3
HIST-119	U.S. History: Chicano/Chicana Perspectives II	3
HIST-122	Women in Early American History	3
HIST-123	Women in Modern American History	3
HIST-124	History of California	3
HIST-126	History of Mexico	3
HIST-130	U.S. History and Cultures: Native American Perspectives I	3
HIST-131	U.S. History and Cultures: Native American Perspectives II	3
HIST-136	Survey of Medieval History	3
HIST-137	History of East Asia	3
HIST-148	Modern Middle East History	3
HIST-154	Early History of Women in World Civilization	3
HIST-155	Modern History of Women in World Civilization	3
HIST-160	U.S. History: Asian American and Pacific Island American Perspectives I	3
HIST-161	U.S. History: Asian American and Pacific Island American Perspectives II	3
HIST-180	U.S. History: Black Perspectives I	3
HIST-181	U.S. History: Black Perspectives II	3
MCOM-110	Mass Media and Society	3
POSC-120	Introduction to Politics and Political Analysis	3
POSC-121	Introduction to U.S. Government and Politics	3
POSC-124	Introduction to Comparative Government and Politics	3
POSC-130	Introduction to International Relations	3
POSC-140	Introduction to California Governments and Politics	3
POSC-145	Introduction to Latin American Government and Politics	3
POSC-147	Introduction to Middle East Government and Politics	3
POSC-148	American Foreign Policy	3

POSC-150	Introduction to Political Theory	3
POSC-155	State and Society in the Asia Pacific	3
POSC-160	Politics in Film	3
PSY-120	Introductory Psychology	3
PSY-125	Cross-Cultural Psychology	3
PSY-134	Human Sexuality	3
PSY-138	Social Psychology	3
PSY-140	Physiological Psychology	3
PSY-150	Developmental Psychology	3
PSY-170	Abnormal Psychology	3
PSY-211	Cognitive Psychology	3
PSY-220	Learning	3
RELG-175	Religion, Government and Politics in America	3
SOC-114	Introduction to Race & Ethnicity	3
SOC-120	Introductory Sociology	3
SOC-125	Marriage, Family, and Alternate Lifestyles	3
SOC-130	Contemporary Social Problems	3
SOC-138	Social Psychology	3
SOC-140	Sex and Gender Across Cultures	3
SOC-150	Latinx Communities in the United States	3
SPAN-145	Hispanic Civilizations	3

Area E – Lifelong Understanding and Self Development

One course (a minimum of three units) is required.¹

Code	Title	Units
BUS-195	Principles of Money Management for Success	3
CD-125	Child Growth and Development	3
CD-145	Child Abuse and Family Violence in Our Society	3
COUN-120	College and Career Success	3
ENGL-219	Views of Death and Dying in Literature	3
ETHN-127	La Chicana	3
FS-110	Life Management	3
FS-120	Human Development	3
FS-129	Introduction to Human Aging	3
HED-120	Personal Health and Lifestyles	3
HED-201	Introduction to Public Health	3
NUTR-155	Introduction to Nutrition	3
NUTR-158	Nutrition for Fitness and Sports	3
NUTR-159	Cultural Aspects of Food and Nutrition	3
NUTR-255	Science of Nutrition	3
PSY-132	Psychology of Health	3
PSY-134	Human Sexuality	3
PSY-140	Physiological Psychology	3
PSY-150	Developmental Psychology	3
PSY-180	Psychology of Interpersonal Skills	3
PSY-220	Learning	3
SOC-125	Marriage, Family, and Alternate Lifestyles	3

¹ Or DD214 or military transcript.

Area F – Ethnic Studies

One course (a minimum of three units) is required.

Code	Title	Units
ENGL-236	Chicana/o Literature	3
ETHN-107	History of Race & Ethnicity in the United States	3
ETHN-114	Introduction to Race & Ethnicity	3
ETHN-236	Chicana/o Literature	3
HIST-107	History of Race & Ethnicity in the United States	3
SOC-114	Introduction to Race & Ethnicity	3

Due to the limited number of approved courses at Grossmont, students can take Area F approved courses at Cuyamaca College or other **local** CCCs. See a counselor for more information.

U.S. History, Constitution and American Ideals

Although this requirement is not part of the General Education requirements for CSU, all students must complete coursework in American Ideals. The courses may also be used to partially fulfill Area D of the CSU General Education Breadth requirements. Students are required to complete a course, courses or examinations that address:

US-1: The historical development of American institutions and ideals; *and*

US-2: The Constitution of the United States and the operation of representative democratic government under that Constitution; *and*

US-3: The process of California state and local government.

This requirement may be fulfilled prior to transfer by completion of a course or courses that satisfy all three areas (US-1, US-2, and US-3). Please note that the course designations below are unique to Grossmont College.

Designations for 2023-2024

Code	Title	Units
ETHN-107	History of Race & Ethnicity in the United States (US-1, US-2)	3
ETHN-118	U.S. History: Chicano/Chicana Perspectives I (US-1)	3
ETHN-119	U.S. History: Chicano/Chicana Perspective II (US-1, US-3)	3
ETHN-130	U.S. History and Cultures: Native American Perspectives I (US-1)	3
ETHN-131	U.S. History and Cultures: Native American Perspectives II (US-1, US-3)	3
ETHN-180	U.S. History: Black Perspectives I (US-1, US-2)	3
ETHN-181	U.S. History: Black Perspectives II (US-1)	3
HIST-107	History of Race & Ethnicity in the United States (US-1, US-2)	3
HIST-108	Early American History (US-1, US-2)	3
HIST-109	Modern American History (US-1, US-3)	3
HIST-114	Comparative History of the Early Americas (US-1, US-2)	3
HIST-115	Comparative History of the Modern Americas (US-1, US-2, US-3)	3

HIST-118	U.S. History: Chicano/Chicana Perspectives I (US-1, US-2)	3
HIST-119	U.S. History: Chicano/Chicana Perspectives II (US-1, US-3)	3
HIST-122	Women in Early American History (US-1, US-2)	3
HIST-123	Women in Modern American History (US-1, US-3)	3
HIST-124	History of California (US-3)	3
HIST-130	U.S. History and Cultures: Native American Perspectives I (US-1, US-2)	3
HIST-131	U.S. History and Cultures: Native American Perspectives II (US-1, US-3)	3
HIST-180	U.S. History: Black Perspectives I (US-1, US-2)	3
HIST-181	U.S. History: Black Perspectives II (US-1)	3
POSC-121	Introduction to U.S. Government and Politics (US-2, US-3)	3
POSC-140	Introduction to California Governments and Politics (US-3)	3
RELG-175	Religion, Government and Politics in America (US-2, US-3)	3

Students are required to select either Option I, Option II, or Option III and then complete 1 or 2 courses. In Option I and Option II, one course must be from List A and one course from List B. In Option III, the List A course fulfills all three designations. This information is current at the time of catalog production.

Option I

Select one course from List A and one course from List B.

Code	Title	Units
List A		
ETHN-118	U.S. History: Chicano/Chicana Perspectives I	3
ETHN-130	U.S. History and Cultures: Native American Perspectives I	3
ETHN-180	U.S. History: Black Perspectives I	3
HIST-107	History of Race & Ethnicity in the United States	3
HIST-108	Early American History	3
HIST-114	Comparative History of the Early Americas	3
HIST-115	Comparative History of the Modern Americas	3
HIST-122	Women in Early American History	3
HIST-130	U.S. History and Cultures: Native American Perspectives I	3
HIST-180	U.S. History: Black Perspectives I	3
List B		
ETHN-119	U.S. History: Chicano/Chicana Perspective II	3
ETHN-131	U.S. History and Cultures: Native American Perspectives II	3
HIST-109	Modern American History	3
HIST-115	Comparative History of the Modern Americas	3

HIST-119	U.S. History: Chicano/Chicana Perspectives II	3
HIST-123	Women in Modern American History	3
HIST-124	History of California	3
HIST-131	U.S. History and Cultures: Native American Perspectives II	3
POSC-121	Introduction to U.S. Government and Politics	3
POSC-140	Introduction to California Governments and Politics	3

or

Option II

Select one course from List A and one course from List B.

Code	Title	Units
List A		
POSC-121	Introduction to U.S. Government and Politics	3
RELG-175	Religion, Government and Politics in America	3
List B		
ETHN-118	U.S. History: Chicano/Chicana Perspectives I	3
ETHN-119	U.S. History: Chicano/Chicana Perspective II	3
ETHN-130	U.S. History and Cultures: Native American Perspectives I	3
ETHN-181	U.S. History: Black Perspectives II	3
HIST-109	Modern American History	3
HIST-118	U.S. History: Chicano/Chicana Perspectives I	3
HIST-119	U.S. History: Chicano/Chicana Perspectives II	3
HIST-130	U.S. History and Cultures: Native American Perspectives I	3
HIST-181	U.S. History: Black Perspectives II	3

or

Option III

Choose a course from List A.

Code	Title	Units
List A		
HIST-115	Comparative History of the Modern Americas	3

CSU for STEM

Students pursuing an Associate Degree for Transfer in Biology and/or Chemistry are eligible to take CSU for STEM deferring two lower-division GE courses until after transfer. CSU for STEM is applicable only to Biology and Chemistry majors in which the Transfer Model Curriculum explicitly indicates the availability of the option. Students using CSU for STEM may delay until after transfer.

1. One general education course in Area 3 (Arts and Humanities); and
2. One general education course in Area 4 (Social and Behavioral Sciences).

It is strongly recommended that students consult with a counselor to determine which general education pattern is most appropriate for their individual educational goals.

Completion of the above pattern will total 39 semester units. Additional upper division general education courses may be required at four-year institutions. Consult the transfer institution and/or <https://www.assist.org>. Counselors are available for assistance.

Associate Degree Programs and Certificates

- Business (p. 97)
- Health Sciences (p. 112)
- Humanities (p. 153)
- Language and Communication (p. 167)
- Science, Technology, Engineering, and Math (STEM) (p. 180)
- Social and Behavioral Sciences (p. 198)
- Visual & Performing Arts (p. 221)

A

- Account Clerk Certificate of Proficiency (p. 97)
- Administration of Justice for Transfer (AS-T) (p. 198)
- Administration of Justice Geospatial Literacy Certificate of Proficiency (p. 199)
- American Sign Language Associate in Arts and Certificate of Achievement (p. 167)
- Anthropology for Transfer (AA-T) (p. 199)
- Arabic Associate in Arts and Certificate of Achievement (p. 167)
- Art Associate in Arts (p. 221)
- Art History for Transfer (AA-T) (p. 222)
- Associate Teacher Certificate of Proficiency (p. 200)

B

- Banquet Cook Certificate of Achievement (p. 223)
- Basic Arabic for Healthcare Professionals Certificate of Proficiency (p. 168)
- Biological Sciences Associate in Science (p. 180)
- Biology for Transfer (AS-T) (p. 181)
- Business Administration Associate in Science and Certificate of Achievement (p. 97)
- Business Administration for Transfer Degree 2.0 (AS-T) (p. 98)
- Business Information Worker Certificate of Achievement (p. 99)
- Business Office Technology Associate in Science and Certificate of Achievement (p. 99)
- Business – General Associate in Science and Certificate of Achievement (p. 100)

C

- Cardiovascular Technology Associate in Science (p. 112)
- Chemistry Associate in Science and Certificate of Achievement (p. 181)
- Child Development Master Teacher Associate in Science and Certificate of Achievement (p. 201)
- Child Development Site Supervisor Associate in Science and Certificate of Achievement (p. 202)
- Communication Associate in Arts (p. 168)
- Communication Studies for Transfer (AA-T) (p. 169)
- Communication Studies for Transfer 2.0 (AA-T) (p. 170)
- Computer Programming Associate in Science and Certificate of Achievement (p. 182)
- Computer Science For Transfer Degree (AS-T) (p. 183)

- Corrections Associate in Science and Certificate of Achievement (p. 203)
- Cross-Cultural Communication Skills Certificate of Proficiency (p. 203)
- Cross-Cultural Competence Certificate of Proficiency (p. 204)
- Cross-Cultural Skills, with Conversational-Level Second Language Certificate of Proficiency (p. 204)
- Culinary Arts Associate in Science and Certificate of Achievement (p. 223)
- Culinary Entrepreneurship Associate in Science and Certificate of Achievement (p. 224)
- Cybersecurity and Networking Associate in Science and Certificate of Achievement (p. 184)

D

- Dance Associate in Arts and Certificate of Achievement (p. 225)
- Data Science Certificate of Achievement (p. 185)
- Drone Cinematography Certificate of Proficiency (p. 185)
- Drone Mapping Certificate of Proficiency (p. 186)

E

- Early Childhood Education for Transfer Degree (AS-T) (p. 205)
- Economics Associate in Arts (p. 101)
- Economics for Transfer (AA-T) (p. 102)
- Educators Global Awareness Certificate of Proficiency (p. 206)
- English Associate in Arts and Certificate of Achievement (p. 153)
- English for Transfer Degree (AA-T) (p. 154)
- Exercise Science and Wellness Associate in Science and Certificate of Achievement (p. 119)

F

- Fitness Specialist Certification, Certificate of Proficiency (p. 120)
- Forensic Technology Associate in Science and Certificate of Achievement (p. 206)
- French Associate in Arts and Certificate of Achievement (p. 171)
- Front Office/ Receptionist Certificate of Proficiency (p. 103)

G

- General Studies AA - Humanities and Fine Arts (p. 155)
- General Studies AA - Social and Behavioral Sciences (p. 207)
- General Studies AA - Wellness and Self-Development (p. 121)
- General Studies AS - Science and Quantitative Reasoning (p. 186)
- Geographic Information Systems Literacy Certificate of Proficiency (p. 209)
- Geography Associate in Science (p. 209)
- Geography for Transfer (AA-T) (p. 210)
- Geology Associate in Science (p. 187)
- Geology for Transfer (AS-T) (p. 188)
- German Associate in Arts and Certificate of Achievement (p. 171)
- Global Awareness and Appreciation Certificate of Proficiency (p. 210)
- Global Studies for Transfer Degree (AA-T) (p. 211)
- Global Trade Operations, Supply Chain Management Certificate of Achievement (p. 103)

H

- History for Transfer (AA-T) (p. 157)
- Hospitality and Tourism Management Associate in Science and Certificate of Achievement (p. 103)
- Humanities Associate in Art (p. 158)

I

- Information Technology Support Specialist Associate in Science and Certificate of Achievement (p. 189)
- Information Technology Technician Certificate of Proficiency (p. 190)
- Insurance Services Certificate of Proficiency (p. 104)
- Interfaith Religious Literacy Certificate of Achievement (p. 159)
- International Business Associate in Science and Certificate of Achievement (p. 104)

J

- Japanese Associate in Arts (p. 172)
- Jewelry Design Certificate of Achievement (p. 226)
- Journalism for Transfer (AA-T) (p. 172)

K

- Kinesiology For Transfer (AA-T) (p. 123)

L

- Latin American Studies Associate in Arts (p. 212)
- Law Enforcement Associate in Science and Certificate of Achievement (p. 212)
- Line Cook Certificate of Achievement (p. 226)

M

- Management Associate in Science and Certificate of Achievement (p. 105)
- Marketing Associate in Science and Certificate of Achievement (p. 106)
- Mathematics Associate in Science (p. 190)
- Mathematics for Transfer (AS-T) (p. 191)
- Media Communications Associate in Science and Certificate of Achievement (p. 173)
- Medical Office Assistant Certificate of Proficiency (p. 107)
- Music Associate in Arts (p. 226)
- Music for Transfer (AA-T) (p. 227)
- Musical Theatre Associate in Arts and Certificate of Achievement (p. 228)

N

- Network and Cybersecurity Technician Certificate of Proficiency (p. 192)
- Nursing Associate in Science (p. 124)
- Nutrition Associate in Science and Certificate of Achievement (p. 130)

O

- Occupational Therapy Assistant Associate in Science (p. 131)
- Oceanography Associate in Science (p. 192)
- Office Assistant, Level I Certificate of Proficiency (p. 107)
- Office Assistant, Level II Certificate of Proficiency (p. 107)
- Office Professional Certificate of Proficiency (p. 108)
- Office Software Specialist, Level I Certificate of Proficiency (p. 108)
- Office Software Specialist, Level II Certificate of Proficiency (p. 108)
- Orthopedic Technology Associate in Science and Certificate of Achievement (p. 138)

P

- Pastry Arts Associate in Science and Certificate of Achievement (p. 229)
- Pastry Cook Certificate of Achievement (p. 230)
- Philosophy Associate in Arts (p. 160)
- Philosophy for Transfer (AA-T) (p. 160)
- Photography Associate in Arts and Certificate of Achievement (p. 230)
- Photography Certificate of Achievement (p. 231)
- Physics Associate in Science (p. 193)
- Physics for Transfer (AS-T) (p. 193)
- Political Science Associate in Arts (p. 213)
- Political Science for Transfer (AA-T) (p. 214)
- Prep Cook Certificate of Achievement (p. 231)
- Programmable Logic Controllers Certificate of Achievement (p. 194)
- Psychology for Transfer (AA-T) (p. 215)

R

- Respiratory Therapy Associate in Science (p. 144)
- Retail Management Associate in Science and Certificate of Achievement (p. 109)
- Russian Associate in Arts and Certificate of Achievement (p. 175)

S

- Security Management Associate in Science and Certificate of Achievement (p. 216)
- Sleep Disorders, Diagnostic Procedures, and Treatment Certificate of Proficiency (p. 151)
- Sociology for Transfer (AA-T) (p. 217)
- Spanish Associate in Arts and Certificate of Achievement (p. 175)
- Spanish for Transfer (AA-T) (p. 176)
- Studio Art for Transfer (AA-T) (p. 231)

T

- Telemetry / ECG Technician Certificate of Achievement (p. 151)
- Theatre Arts Associate in Arts and Certificate of Achievement (p. 232)
- Theatre Arts For Transfer (AA-T) (p. 234)
- Theatre Arts Technical Training Program Associate in Arts and Certificate of Achievement (p. 235)

U

- University Studies - Business and Economics (AA) (p. 109)
- University Studies - Communication and Language Arts (AA) (p. 177)
- University Studies - Humanities and Fine Arts (AA) (p. 161)
- University Studies - Mathematics and Natural Science and Computer Science (AS) (p. 194)
- University Studies - Social and Behavioral Sciences (AA) (p. 218)

V

- Virtual Office Assistant Certificate of Proficiency (p. 110)

W

- Web Design and Development Associate in Science and Certificate of Achievement (p. 196)

Business



- Account Clerk Certificate of Proficiency (p. 97)
- Business Administration Associate in Science and Certificate of Achievement (p. 97)
- Business Administration for Transfer Degree 2.0 (AS-T) (p. 98)
- Business Information Worker Certificate of Achievement (p. 99)
- Business Office Technology Associate in Science and Certificate of Achievement (p. 99)
- Business – General Associate in Science and Certificate of Achievement (p. 100)
- Economics Associate in Arts (p. 101)
- Economics for Transfer (AA-T) (p. 102)
- Front Office/ Receptionist Certificate of Proficiency (p. 103)
- Global Trade Operations, Supply Chain Management Certificate of Achievement (p. 103)
- Hospitality and Tourism Management Associate in Science and Certificate of Achievement (p. 103)
- Insurance Services Certificate of Proficiency (p. 104)
- International Business Associate in Science and Certificate of Achievement (p. 104)
- Management Associate in Science and Certificate of Achievement (p. 105)
- Marketing Associate in Science and Certificate of Achievement (p. 106)
- Medical Office Assistant Certificate of Proficiency (p. 107)
- Office Assistant, Level I Certificate of Proficiency (p. 107)
- Office Assistant, Level II Certificate of Proficiency (p. 107)
- Office Professional Certificate of Proficiency (p. 108)
- Office Software Specialist, Level I Certificate of Proficiency (p. 108)
- Office Software Specialist, Level II Certificate of Proficiency (p. 108)
- Retail Management Associate in Science and Certificate of Achievement (p. 109)
- University Studies - Business and Economics (AA) (p. 109)
- Virtual Office Assistant Certificate of Proficiency (p. 110)

Account Clerk Certificate of Proficiency



The following Certificates of Proficiency are designed for the student who needs to be prepared to enter an entry-level job. A department-issued certificate may be awarded upon successful completion of a prescribed course of study. These certificates will not appear on a student's transcript.

This certificate prepares a beginning student to work in a job that requires bookkeeping skills as well as an ability to provide account clerk support

using accounting software. Many jobs at the entry level are available for someone who has training in these two areas.

Code	Title	Units
BOT-101A	Keyboarding/Document Processing I	1.5
BOT-101B	Keyboarding/Document Processing II	1.5
BOT-109	Elementary Accounting	3
BOT-176	Computerized Accounting Applications	2
BOT-179	Computerized Accounting Lab	1
Total Units		9

Business Administration Associate in Science and Certificate of Achievement



The Business Administration curriculum is designed to give students who choose to work toward a bachelor's degree a well-balanced introduction to a professional career in business.

The program outlined below fulfills the lower division requirements for most majors in the School of Business Administration at San Diego State University and is typical of requirements at other four-year schools. For specific requirements, transfer students should consult the four-year college or university catalog.

Career Opportunities

<https://www.grossmont.edu/student-support/career-center/resources.php>

Accountant¹
 Administrative Assistant
 Advertising/Marketing¹
 Banking
 Budget Analyst¹
 Business Publications
 Claim Agent
 Computer Operations
 Controller¹
 Financial Manager¹
 Insurance Agent²
 Lawyer¹

¹ Bachelor's Degree or higher required.

² Bachelor Degree normally recommended.

The Program-level Student Learning Outcomes (PSLOs) below are outcomes that students will achieve after completing specific degree / certificate requirements in this program. Students will:

1. Demonstrate in-depth knowledge and understanding of fundamental business concepts.
2. Demonstrate the ability to identify, apply, and integrate functional business knowledge to solve problems in practical business situations involving accounting, law, and general business.

3. Demonstrate effective written and oral skills in these areas.
4. Demonstrate the ability to identify and resolve moral and ethical business issues.

Associate Degree Major Requirements

Code	Title	Units
BUS-120	Financial Accounting	4
BUS-121	Managerial Accounting	4
BUS-125	Business Law: Legal Environment of Business	3
BUS-128	Business Communication	3
CSIS-110	Principles of Information Systems	4
ECON-120	Principles of Macroeconomics	3
ECON-121	Principles of Microeconomics	3
MATH-160	Elementary Statistics	4
MATH-178	Calculus for Business, Social and Behavioral Sciences	4
Total Units		32

Plus General Education (<https://catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/>) and Elective Requirements

Certificate of Achievement

Any student who chooses to complete only the courses required for the above major qualifies for a Certificate of Achievement in Business Administration. An official request must be filed with the Admissions and Records Office prior to the deadline as stated in the Academic Calendar.



Associate Degree for TransferSM

Business Administration for Transfer Degree 2.0 (AS-T)



The Associate in Science in Business Administration for Transfer (AS-T) degree is designed to facilitate transfer to a California State University in keeping with SB 1440. This degree reflects the Transfer Model Curriculum (TMC) supported by the Statewide Academic Senate. A total of 28-29 units are required to fulfill the major portion of this degree. Students must also complete the California State University (CSU) General Education Breadth requirements or the Intersegmental General Education Transfer Curriculum (IGETC) (see the "General Education Requirements and Transfer Information" section of the catalog). Students planning to transfer to SDSU should consult with a counselor.

The following requirements must be met to be awarded an Associate in Science in Business Administration for Transfer 2.0 (AS-T) degree:

1. Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
 - a. The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirement.
 - b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0. Students are also required to earn a "C" grade or higher or "Pass" in all courses required for the major.

The Associate in Science in Business Administration for Transfer 2.0 (AS-T) degree is designed to provide students with the common core of lower division courses required to transfer and pursue a baccalaureate degree in Business Administration. This includes business degrees with options such as accounting, finance, human resources management, international business, management, operations management, and marketing. The Associate in Science in Business Administration for Transfer 2.0 degree aligns with the CSU Bachelor of Science in Business Administration.

The Business Administration Department strives to impart the following Program-level Student Learning Outcomes (PSLOs) through the successful completion of the specific degree requirements in this program.

Students will:

1. Demonstrate In-depth knowledge and understanding of fundamental business concepts.
2. Demonstrate the ability to identify, apply, and integrate functional business knowledge to solve problems in practical business situations involving accounting, law, and general business.
3. Demonstrate effective written and oral skills in these areas.
4. Demonstrate the ability to identify and resolve moral and ethical business issues.

Associate Degree Major Requirements

Code	Title	Units
Required Core		
BUS-120	Financial Accounting	4
BUS-121	Managerial Accounting	4
BUS-125	Business Law: Legal Environment of Business	3
BUS-128	Business Communication	3
ECON-120	Principles of Macroeconomics	3
ECON-121	Principles of Microeconomics	3
MATH-178	Calculus for Business, Social and Behavioral Sciences	4-5
or MATH-180	Analytic Geometry and Calculus I	
Select one of the following:		4
Units in the major		28-29
MATH-160	Elementary Statistics	4
or ANTH-215	Statistics for the Behavioral Sciences	
or PSY-215	Statistics for the Behavioral Sciences	
or SOC-215	Statistics for the Behavioral Sciences	

Plus General Education Requirements (CSU GE or IGETC) (<https://catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/>)

Total Units 60

Students completing IGETC may be awarded the degree, but they must complete a course from Area 1C: Oral Communication to meet CSU admission requirements.

Business Information Worker Certificate of Achievement



The Business Information Worker Certificate of Achievement is a job readiness pathway or certificate for office workers, developed in conjunction with local employers. Enrolled students are prepared in a broad range of entry-level office skills and applications, which promote success in a variety of office environments. Essential components of the curriculum include a solid foundation in Microsoft Windows and Office, as well as critical thinking, problem solving, and interpersonal skills.

Certificate of Achievement Requirements

Code	Title	Units
BOT-100	Basic Keyboarding	1
BOT-114	Essential Word	1
BOT-115	Essential Excel	1
BOT-119	Windows for the Information Worker	2
BOT-151	Using Microsoft Outlook	1
BUS-115	Human Relations in Business	3
BUS-128	Business Communication	3
CSIS-110	Principles of Information Systems	4
Total Units		16

Any student who completes the preceding major requirements for Administrative Assistant or Executive Assistant qualifies for a Certificate of Achievement in Business Office Technology. An official request must be filed with the Admissions and Record Office prior to the deadline as stated in the Academic Calendar.

Business Office Technology Associate in Science and Certificate of Achievement



The Business Office Technology curriculum prepares students for employment and advancement in today's technology intensive office. The curriculum has been planned to accommodate a variety of needs and career paths. In addition to traditional office skills, students will acquire proficiency in using computers and current software to perform

a variety of essential administrative functions. Graduates of the program will be prepared to work with management in all types of business environments.

Students wishing to earn a certificate or degree in Business Office Technology select an area of emphasis in either Administrative Assistant or Executive Assistant. The Administrative Assistant curriculum is designed for students who wish to acquire the skills necessary for entry to a mid-level administrative support position. The Executive Assistant curriculum is designed for students who wish to prepare themselves for a mid to upper level administrative support position. The Executive Assistant curriculum also prepares students to take the Microsoft Office User Specialist (MOUS) certification examination. With additional training at a baccalaureate level college or university, students may prepare for a position in business education or business management.

Note: If certain required proficiencies can be demonstrated, alternate courses may be substituted subject to department approval.

Students wishing to earn a certificate of achievement should complete all courses listed in their chosen area of emphasis. Students wishing to earn a degree should complete all courses listed in their chosen area of emphasis plus 30 units of general education courses and electives to total a minimum of sixty units.

Career Opportunities

<https://www.grossmont.edu/student-support/career-center/resources.php>

Office Coordinator
Budget Manager
Event Coordinator
Quality Controller
Account Assistant
Human Resources Analyst
Legal Assistant
Word Processor
Desktop Publishing Specialist
Secretary: Executive, Medical, Educational, Financial, Government, Technical, Insurance, Small Business

The Program-level Student Learning Outcomes (PSLOs) below are outcomes that students will achieve after completing specific degree / certificate requirements in this program. Students will:

1. Demonstrate knowledge, skills, and abilities relevant to BOT certificates / degree programs completed.
2. Demonstrate ethical and professional behavior.
3. Demonstrate appropriate human relations and workplace skills.

Associate Degree Major Requirements

Administrative Assistant Area of Emphasis

Code	Title	Units
BOT-100	Basic Keyboarding	1
BOT-101A	Keyboarding/Document Processing I	1.5
BOT-101B	Keyboarding/Document Processing II	1.5
BOT-104	Filing and Records Management	1
BOT-106	Effective Job Search	1
BOT-107	Office Systems and Procedures	2

BOT-108	Using Calculators to Solve Business Problems	1
BOT-110	Business English and Communication	3
BOT-120 & BOT-121 & BOT-122	Comprehensive Word, Level I and Comprehensive Word, Level II and Comprehensive Word, Level III	3
Select one of the following:		1-3
BOT-115	Essential Excel	
BOT-123 & BOT-124 & BOT-125	Comprehensive Excel, Level I and Comprehensive Excel, Level II and Comprehensive Excel, Level III	
Select one of the following:		1-3
BOT-116	Essential Access	
BOT-126 & BOT-127 & BOT-128	Comprehensive Access, Level I and Comprehensive Access, Level II and Comprehensive Access, Level III	
Select one of the following:		1-2
BOT-117	Essential PowerPoint	
BOT-129 & BOT-130	Comprehensive PowerPoint, Level I and Comprehensive PowerPoint, Level II	
Select one of the following:		1-3
BOT-118 or BOT-132	Integrated Office Projects Google Applications for Business	
BOT-151	Using Microsoft Outlook	1
Select one of the following:		1-3
BOT-223	Office Work Experience	
BOT-224	Office Work Experience	
BOT-225	Office Work Experience	
Select a minimum of three (3) units from the following:		3
BOT-103A	Building Keyboarding Skill I	
BOT-103B	Building Keyboarding Skill II	
BOT-103C	Building Keyboarding Skill III	
BOT-109	Elementary Accounting	
BOT-119	Windows for the Information Worker	
BOT-150	Using Microsoft Publisher	
Total Units		24-33

Plus General Education (<https://catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/>) and Elective Requirements

Executive Assistant Area of Emphasis

Code	Title	Units
BOT-100	Basic Keyboarding	1
BOT-101A	Keyboarding/Document Processing I	1.5
BOT-101B	Keyboarding/Document Processing II	1.5
BOT-102A	Intermediate Keyboarding/Document Processing I	1.5
BOT-102B	Intermediate Keyboarding/Document Processing II	1.5
BOT-110 or BUS-128	Business English and Communication Business Communication	3
BOT-120	Comprehensive Word, Level I	1
BOT-121	Comprehensive Word, Level II	1
BOT-122	Comprehensive Word, Level III	1

BOT-123	Comprehensive Excel, Level I	1
BOT-124	Comprehensive Excel, Level II	1
BOT-125	Comprehensive Excel, Level III	1
BOT-126	Comprehensive Access, Level I	1
BOT-127	Comprehensive Access, Level II	1
BOT-128	Comprehensive Access, Level III	1
BOT-129	Comprehensive PowerPoint, Level I	1
BOT-130	Comprehensive PowerPoint, Level II	1
BOT-132	Google Applications for Business	3
BOT-150	Using Microsoft Publisher	1
BOT-151	Using Microsoft Outlook	1
Select a minimum of three (3) units from the following courses:		3
BOT-109	Elementary Accounting	
BUS-110	Introduction to Business	
BUS-115	Human Relations in Business	
BUS-120	Financial Accounting	
BUS-125	Business Law: Legal Environment of Business	
BUS-250	Introduction to International Business	

Total Units **29**

Plus General Education (<https://catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/>) and Elective Requirements

Certificate of Achievement

Any student who completes the preceding major requirements for Administrative Assistant or Executive Assistant qualifies for a Certificate of Achievement in Business Office Technology. An official request must be filed with the Admissions and Record Office prior to the deadline as stated in the Academic Calendar.

Business – General Associate in Science and Certificate of Achievement



The Business-General curriculum is designed to develop and foster those skills and understandings which can be utilized for employment in an increasingly challenging business environment. This major will provide the student with a broad preparation for a career in business. Business courses are included which will provide a solid background for future promotion in a chosen occupational area. This program is designed for students who do not plan to transfer to a four-year college or university.

Career Opportunities

<https://www.grossmont.edu/student-support/career-center/resources.php>

Administrative Assistant
Bookkeeper
Budget Consultant¹

Buyer
 Conciliator²
 Credit Analyst¹
 Employment Interviewer
 Hospital Administrator¹
 Sales Agent²
 Trust Officer¹

¹ Bachelor's Degree or higher required.

² Bachelor Degree normally recommended.

The Program-level Student Learning Outcomes (PSLOs) below are outcomes that students will achieve after completing specific degree / certificate requirements in this program. Students will:

1. Demonstrate In-depth knowledge and understanding of fundamental business concepts.
2. Demonstrate the ability to identify, apply, and integrate functional business knowledge to solve problems in practical business situations involving accounting, law, and general business.
3. Demonstrate effective written and oral skills in these areas.
4. Demonstrate the ability to identify and resolve moral and ethical business issues.

Associate Degree Major Requirements

Code	Title	Units
BUS-109 or BUS-120	Elementary Accounting Financial Accounting	3-4
BUS-110	Introduction to Business	3
BUS-115	Human Relations in Business	3
BUS-125	Business Law: Legal Environment of Business	3
BUS-128 or BOT-110	Business Communication Business English and Communication	3
BUS-146	Marketing	3
BUS-152	Business Mathematics	2
BUS-195	Principles of Money Management for Success	3
BOT-172	Introduction to Microcomputer Applications	2
ECON-120	Principles of Macroeconomics	3
Total Units		28-29

Plus General Education (<https://catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/>) and Elective Requirements

Certificate of Achievement

Any student who chooses to complete only the courses required for the above major qualifies for a Certificate of Achievement in Business-General. An official request must be filed with the Admissions and Records Office prior to the deadline as stated in the Academic Calendar.

Economics Associate in Arts



Economics is the study of how a society chooses to use its limited resources to produce, exchange, and consume goods and services. The study is divided into two broad areas - macroeconomics and microeconomics. Macroeconomics deals with broad, economy-wide issues such as economic growth, inflation, unemployment, and depression. Microeconomics focuses on choices and behavior of individual participants in the economy - producers, workers, employers and consumers - and on issues involving competition, monopoly, and inequality in income and wealth. Microeconomics can also provide insights in such areas as family relationships, crime, and discrimination of many sorts.

The associate degree program with a major in economics will prepare students to transfer to four-year institutions where they can complete baccalaureate degrees in economics and other disciplines. It is important to understand that economics is an impacted major at most University of California campuses and at several California State University campuses. It is recommended, therefore, that students consult the catalog of the transfer institution for specific requirements. By and large, jobs for economists in teaching, government, or large corporations require a graduate degree in the field, while a bachelor's degree in economics will qualify students for the same kinds of jobs available for holders of general business degrees or general liberal arts degrees.

Career Opportunities

<https://www.grossmont.edu/student-support/career-center/resources.php>

Auditor¹
 Claim Adjuster²
 Claim Examiner²
 Computer Systems Engineer¹
 Credit Analyst¹
 Employment Interviewer
 Financial Planner¹
 Fund Raiser¹
 Hospital Insurance Representative
 Market Research Analyst
 Statistician¹
 Treasurer¹

¹ Bachelor's Degree or higher required.

² Bachelor Degree normally recommended.

The Program-level Student Learning Outcomes (PSLOs) below are outcomes that students will achieve after completing specific degree / certificate requirements in this program. Students will:

1. Employ their discipline knowledge and skills in service to the community; for example, present themselves and interact with others in a professional manner, communicate economic concepts orally, convey economic ideas in a variety of written forms.
2. Demonstrate knowledge of micro- and macroeconomic theories.

Associate Degree Major Requirements

Code	Title	Units
ECON-110	Economic Issues and Policies	3
ECON-120	Principles of Macroeconomics	3
ECON-121	Principles of Microeconomics	3
ECON-215 or MATH-160	Statistics for Business and Economics Elementary Statistics	4
BUS-120	Financial Accounting	4
CSIS-110	Principles of Information Systems	4
POSC-121	Introduction to U.S. Government and Politics	3
Select one of the following:		3
POSC-130	Introduction to International Relations	
SOC-120	Introductory Sociology	
Select one of the following:		4-5
MATH-178	Calculus for Business, Social and Behavioral Sciences ¹	
MATH-180	Analytic Geometry and Calculus I ¹	
Total Units		31-32

Plus General Education (<https://catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/>) and Elective Requirements

¹ Students planning to transfer to four-year institutions to complete a bachelor's degree in economics should be aware that the major at such institutions often requires a three-semester sequence in calculus equivalent to MATH-180 Analytic Geometry and Calculus I-MATH-280 Analytic Geometry and Calculus II-MATH-281 Multivariable Calculus.



Associate Degree for TransferSM

Economics for Transfer (AA-T)



The Associate in Arts in Economics for Transfer (AA-T) degree is designed to facilitate transfer to a California State University in keeping with SB1440. A total of 19-21 units are required to fulfill the major portion of this degree. This degree reflects the Transfer Model Curriculum (TMC) supported by the statewide Academic Senate. Students must also complete the California State University (CSU) General Education Breadth requirements or the Intersegmental General Education Transfer Curriculum (IGETC) (see the "General Education Requirements and Transfer Information" section of the catalog). A student may apply for this degree in conjunction with an Associate in Arts in Economics degree provided the courses taken meet the requirements of both degrees. Students should speak with a counselor to verify that the requirements for either or both degrees have been met. In addition, students planning to transfer to SDSU should consult with a counselor.

The following requirements must be met to be awarded an Associate in Arts in Economics for Transfer (AA-T) degree:

- Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
 - The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirement.
 - A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
- Obtainment of a minimum grade point average of 2.0. Students are also required to earn a "C" grade or higher or "Pass" in all courses required for the major.

The Associate in Arts in Economics Transfer Degree (AA-T) will provide students with the lower division core courses required for bachelorette-level study in the discipline. A bachelor's degree in economics offers graduates a variety of career paths in such fields as management, finance, government, and general business. It also serves as an excellent foundation for post-graduate training in fields such as law, education, and health care. Furthermore, the study of economics facilitates the development of higher-level analytical reasoning skills applicable to a variety of educational and occupational endeavors.

The Program-level Student Learning Outcomes (PSLOs) below are outcomes that students will achieve after completing specific degree / certificate requirements in this program. Students will:

- Employ their discipline knowledge and skills to the community; for example present themselves and interact with others in a professional manner, communicate economic concepts orally, convey economic ideas in a variety of written forms.
- Demonstrate knowledge of micro- and macroeconomic theories.

Associate Degree Major Requirements

Note: All courses must be completed with a letter grade of "C" or higher or "Pass."

Code	Title	Units
Required Core		
ECON-120	Principles of Macroeconomics	3
ECON-121	Principles of Microeconomics	3
ECON-215 or ANTH-215 or PSY-215 or SOC-215 or MATH-160	Statistics for Business and Economics ¹ Statistics for the Behavioral Sciences Statistics for the Behavioral Sciences Statistics for the Behavioral Sciences Elementary Statistics	4
MATH-178 or MATH-180	Calculus for Business, Social and Behavioral Sciences Analytic Geometry and Calculus I	4-5
List A		
Select one of the following:		3-4
BUS-120	Financial Accounting	
BUS-121	Managerial Accounting	
BUS-128	Business Communication	
CSIS-110	Principles of Information Systems	
List B		

Select one of the following:	3
Any course not used in List A	
ECON-110 Economic Issues and Policies	
ECON-261 Economic Relations of the Asia Pacific	
Units for the major	20-22
Plus General Education Requirements (CSU GE or IGETC) (https://catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/)	37-39
Total Units	60

¹ MATH-160 Elementary Statistics will be accepted.

Students completing IGETC may be awarded the degree, but they must complete a course from Area 1C: Oral Communication to meet CSU admission requirements.

Front Office/ Receptionist Certificate of Proficiency



The following Certificates of Proficiency are designed for the student who needs to be prepared to enter an entry-level job. A department-issued certificate may be awarded upon successful completion of a prescribed course of study. These certificates will not appear on a student's transcript.

The BOT Front Office/ Receptionist certificate would provide an entry-level employment opportunity for a completer that finishes the courses below. These skills are aimed at a student who is seeking a front office/ receptionist related position in an office. This Certificate of Proficiency prepares a beginning student to work in a job that requires basic keyboarding skills, a basic knowledge of filing, and basic office procedures necessary for meeting and greeting the public in person, by telephone, and electronically.

Code	Title	Units
Select one of the following:		1
BOT-100	Basic Keyboarding	
or		
BOT-103A & BOT-103B	Building Keyboarding Skill I and Building Keyboarding Skill II	
BOT-104	Filing and Records Management	1
BOT-107	Office Systems and Procedures	2
BOT-113	Social Media Basics for the Job Seeker	0.5
BOT-151	Using Microsoft Outlook	1
Select one of the following:		2-4
BOT-172	Introduction to Microcomputer Applications	

or

BOT-114 & BOT-115 & BOT-116 & BOT-117	Essential Word and Essential Excel and Essential Access and Essential PowerPoint	
Total Units		7.5-9.5

Global Trade Operations, Supply Chain Management Certificate of Achievement



The Global Trade Operations Certificate of Achievement is an introductory-level program designed to build a foundational understanding of global trade operations. It will benefit students in the exposure to real life transactions in planning and executing international trade. Essential components of the curriculum include critical roles that importing, global marketing and exporting, logistics, and supply chain management play in contemporary global business. A leadership component is part of the certificate wherein the student gains knowledge and skills, equipping them to problem define and problem solve in international and global contexts.

Certificate of Achievement Requirements

Code	Title	Units
BUS-259	Introduction to Global Trade Operations	3
BUS-260	Global Trade Operations, Logistics	3
BUS-261	Global Trade Operations, Supply Chain Management	3
BUS-262	Global Trade Operations, Import Procedures	3
BUS-263	Global Trade Operations, Marketing & Export Procedures	3
BUS-264	Global Leadership	3
Total Units		18

Hospitality and Tourism Management Associate in Science and Certificate of Achievement



The Hospitality and Tourism Management major provides students with a solid undergraduate program emphasizing basic business management principles and their specific application to the hospitality and tourism industry. Students completing the program are prepared to transfer to a Bachelor of Science program at a four-year institution.

Career Opportunities

<https://www.grossmont.edu/student-support/career-center/resources.php>

Airline Reservation Agent
 Executive Housekeeper
 Flight Attendant¹
 Front Office Manager¹
 Golf / Country Club Manager²
 Hotel Manager / Supplier²
 Public Relations Specialist²
 Restaurant Manager²

¹ Bachelor's Degree normally recommended.

² Bachelor's Degree or higher required.

The Program-level Student Learning Outcomes (PSLOs) below are outcomes that students will achieve after completing specific degree / certificate requirements in this program. Students will:

1. Identify the many market segments of the tourism and hospitality industry and discuss the key management issues related to the industry.
2. Apply best business management practices in ethical decision making in the hospitality and tourism industry workplace.
3. Describe and apply total quality management principles in the hospitality and tourism industry situations.

Associate Degree Major Requirements

Code	Title	Units
BUS-120	Financial Accounting	4
BUS-128	Business Communication	3
BUS-158	Introduction to Hospitality and Tourism Management	3
BUS-160	Hospitality Managerial Accounting and Controls	3
BUS-166	Hospitality and Tourism Law	3
CSIS-110	Principles of Information Systems	4
ECON-120	Principles of Macroeconomics	3
ECON-121	Principles of Microeconomics	3
MATH-160	Elementary Statistics	4
MATH-178	Calculus for Business, Social and Behavioral Sciences	4
Total Units		34

Plus General Education (<https://catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/>) and Elective Requirements

Certificate of Achievement

Any student who chooses to complete only the courses required for the above major qualifies for a Certificate of Achievement in Hospitality Management. An official request must be filed with the Admissions and Records Office prior to the deadline as stated in the Academic Calendar.

Insurance Services Certificate of Proficiency



Certificates of Proficiency are designed for the student who needs to be prepared to enter an entry-level job. A department-issued certificate may be awarded upon successful completion of a prescribed course of study. This certificate will not appear on a student's transcript.

The Insurance Services Certificate of Proficiency provides students with the skills necessary to gain employment in a variety of insurance office environments. Students may choose to begin a career or update existing skills. Students successfully completing the certificate will be qualified for mid-level positions at both the company and agency level.

Code	Title	Units
BUS-233	Personal Insurance	3
BUS-234	Commercial Insurance	3
BUS-235	Delivering Insurance Services	3
Total Units		9

International Business Associate in Science and Certificate of Achievement



The International Business program is designed to prepare students with the background and technology necessary to work in a business engaged in international trade. The curriculum is also of value to the individual who is planning to start his/her own import/export business. Internships in local international trade organizations are an important part of the program.

Career Opportunities

<https://www.grossmont.edu/student-support/career-center/resources.php>

Broker
 Customs Broker
 Freight Forwarder
 Import-Export Agent
 Import-Export Specialist
 International Finance & Accounting
 International Law
 International Planning & Management
 International Purchasing & Management

The Program-level Student Learning Outcomes (PSLOs) below are outcomes that students will achieve after completing specific degree / certificate requirements in this program. Students will:

1. Compare and contrast different political, legal, and economic systems and technological forces and their impact on international management.
2. Understand and appreciate the need for ethics and social responsibility in international management, and the growing pressures on firms to act in an ethically and socially responsible manner in their global business operations.
3. Understand the relationship between national culture and organizational culture, integrate those concepts within the context of international management decision-making, and appreciate the challenges of diversity in them modern work environment.
4. Integrate and apply the basic elements of international strategic management, including the pressures and cost/benefits of strategies that emphasize global integration versus local adaptation; describe the specialized strategies required for emerging economies and for international new ventures.

Associate Degree Major Requirements

Code	Title	Units
BUS-120	Financial Accounting	4
BUS-250	Introduction to International Business	3
BUS-258	The Cultural Dimensions in International Business	3
BUS-259	Introduction to Global Trade Operations	3
BUS-260	Global Trade Operations, Logistics	3
BUS-262	Global Trade Operations, Import Procedures	3
BUS-263	Global Trade Operations, Marketing & Export Procedures	3
Select three of the following:		7-12
BUS-121	Managerial Accounting	
BUS-140	Entrepreneurship: Developing a Business Plan	
BUS-141	Entrepreneurship: Managing a New Business	
BUS-146	Marketing	
BUS-261	Global Trade Operations, Supply Chain Management	
BUS-265A	Internship in International Business	
or BUS-265B	Internship in International Business	
or BUS-265C	Internship in International Business	
or BUS-265D	Internship in International Business	
Or		
BUS-266	Internship in International Business	
Or		
BUS-267	Internship in International Business	
COMM-124	Intercultural Communication	
Or one course in any foreign language		
Total Units		29-34

Plus General Education (<https://catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/>) and Elective Requirements

Certificate of Achievement

Any student who wishes to complete only the requirements listed above qualifies for a Certificate of Achievement in International Business. An official request must be filed with the Admissions and Records Office prior to the deadline as stated in the Academic Calendar.

Management Associate in Science and Certificate of Achievement



The management curriculum is designed to provide the student with the skills necessary for success as a manager in today's demanding organizational climate. The program is of benefit to the man or woman who aspires to a mid-level or higher management position in any type of organization including business, government and service organizations. Since much of the curriculum is transferable to four-year institutions, the program not only provides readily usable management skills for the two-year student, but it also provides a base for those students who later wish to undertake more advanced study in business.

Career Opportunities

<https://www.grossmont.edu/student-support/career-center/resources.php>

Claim Adjuster¹
 Employment Interviewer
 Inventory Manager
 Management Analyst²
 Management Consultant²
 Management Trainee
 Operations Manager
 Office Manager¹
 Production Controller¹
 Trust Officer, Bank²

¹ Bachelor Degree normally recommended.

² Bachelor's Degree or higher required.

The Program-level Student Learning Outcomes (PSLOs) below are outcomes that students will achieve after completing specific degree / certificate requirements in this program. Students will:

1. Recognize the effects of globalization on the functions of management such as planning, organizing, leading and controlling.
2. Discuss and explain the issues affecting businesses today ethics, diversity, time management, the global economy, communications and group dynamics.
3. Identify and apply ways to positively initiate change in today's diverse and challenging work environment while focusing on core competencies.

Associate Degree Major Requirements

Code	Title	Units
BUS-115	Human Relations in Business	3
BUS-120	Financial Accounting	4

BUS-125	Business Law: Legal Environment of Business	3
BUS-128	Business Communication	3
BUS-155	Human Resources Management	3
BUS-156	Principles of Management	3
COMM-122	Public Speaking	3
Select four units from the following:		4
BUS-176	Computerized Accounting Applications	
BOT-172	Introduction to Microcomputer Applications	
CSIS-110	Principles of Information Systems	
Select one of the following:		3-4
BUS-118	Retail Management	
BUS-121	Managerial Accounting	
BUS-142	Effective Sales - Skills of Personal Selling and Persuasion	
BUS-144	Advertising	
BUS-146	Marketing	
BUS-159A	Management Internship	
BUS-159B	Management Internship	
BUS-159C	Management Internship	
BUS-159D	Management Internship	
ECON-120	Principles of Macroeconomics	
Total Units		29-30

Plus General Education (<https://catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/>) and Elective Requirements

Certificate of Achievement

Any student who wishes to complete only the requirements listed above qualifies for a Certificate of Achievement in Management. An official request must be filed with the Admissions and Records Office prior to the deadline as stated in the Academic Calendar.

Marketing Associate in Science and Certificate of Achievement



Marketing consists of all the activities that direct the flow of goods and services from producer to consumer. This may include market research, physical distribution, wholesaling, advertising, personal selling, and retailing. Although most jobs are in wholesale and retail trade, this broad field offers many employment opportunities. The internship experience is an important feature of the program.

Career Opportunities

<https://www.grossmont.edu/student-support/career-center/resources.php>

Account Executive¹
Advertising Manager¹
Booking Agent

Claim Adjustor²
Consumer Affairs Director¹
Financial Planner¹
Import-Export Agent²
Internal Revenue Investigator¹
Management Trainee
Marketing Manager²
Purchasing Agent
Retail Manager
Securities Trader¹
Stockbroker¹

¹ Bachelor's Degree or higher required.
² Bachelor Degree normally recommended.

The Program-level Student Learning Outcomes (PSLOs) below are outcomes that students will achieve after completing specific degree / certificate requirements in this program. Students will:

1. Utilize marketing analysis and strategy to identify marketing opportunities.
2. Define ideal target markets for broad industries as well as specific products and services, utilizing demographic and psychographic descriptions.
3. Develop effective promotional mix strategies for specific products and services, and their related target markets.

Associate Degree Major Requirements

Code	Title	Units
BUS-120	Financial Accounting	4
BUS-125	Business Law: Legal Environment of Business	3
BUS-128	Business Communication	3
BUS-146	Marketing	3
BUS-156	Principles of Management	3
BOT-172	Introduction to Microcomputer Applications	2
Select three of the following:		9
BUS-118	Retail Management	
BUS-142	Effective Sales - Skills of Personal Selling and Persuasion	
BUS-144	Advertising	
BUS-262	Global Trade Operations, Import Procedures	
BUS-263	Global Trade Operations, Marketing & Export Procedures	
Select one of the following:		3
BUS-115	Human Relations in Business	
BUS-137A	Marketing Internship	
BUS-137B	Marketing Internship	
BUS-137C	Marketing Internship	
BUS-137D	Marketing Internship	
BUS-140	Entrepreneurship: Developing a Business Plan	
BUS-250	Introduction to International Business	

BUS-258 The Cultural Dimensions in International Business

Total Units **30**

Plus General Education (<https://catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/>) and Elective Requirements

Certificate of Achievement

Any student who chooses to complete only the requirements listed above qualifies for a Certificate of Achievement in Marketing. An official request must be filed with the Admissions and Records Office prior to the deadline as stated in the Academic Calendar.

Medical Office Assistant Certificate of Proficiency



The following Certificates of Proficiency are designed for the student who needs to be prepared to enter an entry-level job. A department-issued certificate may be awarded upon successful completion of a prescribed course of study. These certificates will not appear on a student's transcript.

The Medical Office Assistant Certificate of Proficiency provides students with the skills necessary to gain employment in a variety of medical office environments. Students may choose to begin a new career or update existing job skills. Students successfully completing the certificate will be qualified to seek employment as: medical office receptionists, assistants, medical clerical workers, hospital admitting clerks, medical insurance billers, medical insurance coders, and insurance claims processors.

Code	Title	Units
BOT-161	Medical Terminology	3
BOT-165	Medical Insurance Billing	4.5
BOT-167	Medical Coding	4
BOT-170	Medical Office Procedures	6
Total Units		17.5

Office Assistant, Level I Certificate of Proficiency



The following Certificates of Proficiency are designed for the student who needs to be prepared to enter an entry-level job. A department-issued certificate may be awarded upon successful completion of a prescribed course of study. These certificates will not appear on a student's transcript.

This Certificate of Proficiency prepares a beginning student to work in a job that requires keyboarding skills, a basic knowledge of filing, and

basic computer skills. It is designed for a student who has not had any computer training and lacks general office background and experience. Students who complete this program would qualify for positions as data entry clerks or entry level office clerical positions.

Code	Title	Units
BOT-100	Basic Keyboarding	1
BOT-101A	Keyboarding/Document Processing I	1.5
BOT-101B	Keyboarding/Document Processing II	1.5
Select one of the following:		1
BOT-103A & BOT-103B	Building Keyboarding Skill I and Building Keyboarding Skill II	
BOT-103B & BOT-103C	Building Keyboarding Skill II and Building Keyboarding Skill III	
BOT-104	Filing and Records Management	1
BOT-106	Effective Job Search	1
BOT-132	Google Applications for Business	3
Total Units		10

Office Assistant, Level II Certificate of Proficiency



The following Certificates of Proficiency are designed for the student who needs to be prepared to enter an entry-level job. A department-issued certificate may be awarded upon successful completion of a prescribed course of study. These certificates will not appear on a student's transcript.

This Certificate of Proficiency is designed for the student who has completed the Office Assistant, Level I Certificate of Proficiency or has the equivalent in keyboarding and computer skills. It prepares students to advance in an office career ladder in which knowledge of Microsoft Office applications is necessary. It is a certificate that leads to the full college certificate for the Administrative Assistant certificate and degree.

Code	Title	Units
BOT-102A	Intermediate Keyboarding/Document Processing I	1.5
BOT-102B	Intermediate Keyboarding/Document Processing II	1.5
BOT-107	Office Systems and Procedures	2
BOT-114	Essential Word	1
BOT-115	Essential Excel	1
BOT-116	Essential Access	1
BOT-117	Essential PowerPoint	1
Total Units		9

Office Professional Certificate of Proficiency



The following Certificates of Proficiency are designed for the student who needs to be prepared to enter an entry-level job. A department-issued certificate may be awarded upon successful completion of a prescribed course of study. These certificates will not appear on a student's transcript.

This Certificate of Proficiency is designed for the first level position in a broad spectrum of office environments. The program provides the basic skills necessary to be a productive employee. It provides the foundation for further study and advancement in the clerical field, which is one of the largest employment areas in our information processing society.

Code	Title	Units
Select one of the following: 1-3		
BOT-100	Basic Keyboarding	
BOT-101A & BOT-101B	Keyboarding/Document Processing I and Keyboarding/Document Processing II	
BOT-102A & BOT-102B	Intermediate Keyboarding/Document Processing I and Intermediate Keyboarding/Document Processing II	
BOT-106	Effective Job Search	1
BOT-107	Office Systems and Procedures	2
BOT-110	Business English and Communication	3
BOT-114	Essential Word	1
BOT-115	Essential Excel	1
Total Units		9-11

Office Software Specialist, Level I Certificate of Proficiency



The following Certificates of Proficiency are designed for the student who needs to be prepared to enter an entry-level job. A department-issued certificate may be awarded upon successful completion of a prescribed course of study. These certificates will not appear on a student's transcript.

This certificate of Proficiency is designed for the student who is interested in working in an administrative support capacity and needs working knowledge of word processing, electronic spreadsheet, database, and presentation software. These courses may also be applied to the Office Assistant Level II Certificate of Proficiency.

Code	Title	Units
BOT-100	Basic Keyboarding	1
Select one of the following: 1-2		

BOT-114	Essential Word	
BOT-120 & BOT-121	Comprehensive Word, Level I and Comprehensive Word, Level II	
Select one of the following: 1-2		
BOT-115	Essential Excel	
BOT-123 & BOT-124	Comprehensive Excel, Level I and Comprehensive Excel, Level II	
Select one of the following: 1-2		
BOT-116	Essential Access	
BOT-126 & BOT-127	Comprehensive Access, Level I and Comprehensive Access, Level II	
Select one of the following: 1-2		
BOT-117	Essential PowerPoint	
BOT-129 & BOT-130	Comprehensive PowerPoint, Level I and Comprehensive PowerPoint, Level II	
Total Units		5-9

Office Software Specialist, Level II Certificate of Proficiency



The following Certificates of Proficiency are designed for the student who needs to be prepared to enter an entry-level job. A department-issued certificate may be awarded upon successful completion of a prescribed course of study. These certificates will not appear on a student's transcript.

This Certificate of Proficiency is designed for the student who is interested in working in an administrative support capacity and needs thorough knowledge of word processing, electronic spreadsheet, database, and presentation software as well as software integration techniques. Students who complete this proficiency certificate may continue taking courses and earn the Executive Assistant Certificate of Proficiency.

Code	Title	Units
BOT-100	Basic Keyboarding	1
BOT-118 or BOT-132	Integrated Office Projects Google Applications for Business	1-3
BOT-120 or BOT-114	Comprehensive Word, Level I Essential Word	1
BOT-121	Comprehensive Word, Level II	1
BOT-122	Comprehensive Word, Level III	1
BOT-123 or BOT-115	Comprehensive Excel, Level I Essential Excel	1
BOT-124	Comprehensive Excel, Level II	1
BOT-125	Comprehensive Excel, Level III	1
BOT-126 or BOT-116	Comprehensive Access, Level I Essential Access	1
BOT-127	Comprehensive Access, Level II	1
BOT-129 or BOT-117	Comprehensive PowerPoint, Level I Essential PowerPoint	1

BOT-130	Comprehensive PowerPoint, Level II	1
Total Units		12-14

Retail Management Associate in Science and Certificate of Achievement



Retail sales and management is one of the largest fields for employment in the United States. This program is designed to provide the foundation for advancement from entry level positions to management in retailing. Career opportunities are plentiful in food chains, department stores, specialized small and large retail outlets, and small stores. A certificate or degree in the program greatly enhances a part-time or full-time employee's opportunity to progress in a career in this large, growing industry.

Note: This major meets the core retail management curriculum recommended by the Western Association of Food Chains for employees who wish to prepare for management positions.

Career Opportunities

<https://www.grossmont.edu/student-support/career-center/resources.php>

Department Manager
District Manager
Human Resources Assistant
Marketing Manager
Merchandise Manager
Office Manager
Retail Store Manager
Sales Manager
Store Owner / Operator

The Program-level Student Learning Outcomes (PSLOs) below are outcomes that students will achieve after completing specific degree / certificate requirements in this program. Students will:

1. Demonstrate knowledge of the history of contemporary and traditional retail practices including basic consumer laws and regulation for consumer protection.
2. Identify and apply the basic economic retail principles of pricing, quality, customer service and ethics.
3. Discuss communication from retailer to customer including such forms as visual merchandising, personal selling, advertising, sales promotions, internet sales and advertising and public relations.

Associate Degree Major Requirements

Code	Title	Units
BUS-109	Elementary Accounting	3
BUS-115	Human Relations in Business	3
BUS-118	Retail Management	3
BUS-128	Business Communication	3
BUS-146	Marketing	3

BUS-152	Business Mathematics	2
BUS-155	Human Resources Management	3
BUS-156	Principles of Management	3
COMM-122	Public Speaking	3
CSIS-110	Principles of Information Systems	4
Total Units		30

Plus General Education (<https://catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/>) and Elective Requirements

Certificate of Achievement

Any student who chooses to complete only the requirements listed above qualifies for a Certificate of Achievement in Retail Management. An official request must be filed with the Admissions and Records Office prior to the deadline stated in the Academic Calendar.

University Studies - Business and Economics (AA)

The Associate Degree in University Studies is intended to accommodate the differing requirements of a wide variety of transfer institutions and major options. Because admission and major preparation requirements vary at each four-year transfer institution, courses used to complete this degree should be selected with the assistance of a counselor.

The completion of the University Studies Degree does not guarantee acceptance into either a baccalaureate major or a four-year institution.

Requirements

I. California State University (CSU) General Education Breadth

1. Complete CSU General Education Breadth (see Transfer Information and Degree Requirements in college catalog).
2. Earn a grade of "C" or higher or "Pass" for all courses in Area A and the Mathematical/Quantitative Reasoning courses in Area B.
3. Complete a minimum of 18 units (listed below) with a "C" grade or higher or "Pass".
4. Complete a minimum of 60 degree applicable CSU transferable semester units. (All courses included in each area of emphasis are CSU transferable.)
5. Earn a cumulative GPA of 2.0 in all college coursework completed.
6. Meet Grossmont College residence requirements for graduation (see Degree Requirements in college catalog).
7. Students pursuing a University Studies degree in Mathematics and Natural Science and Computer Science are eligible to use CSU for STEM to fulfill the general education requirements of this degree.

or

II. Intersegmental General Education Transfer Curriculum (IGETC) for CSU or UC

1. Complete IGETC Certification (see Transfer Information and Degree Requirements in college catalog).
2. Earn a grade of "C" or higher or "Pass" in all IGETC courses.
3. Complete a minimum of 18 units (listed below) with a "C" grade or higher or "Pass".

- Complete a minimum of 60 degree applicable UC transferable semester. **Courses that are non-UC transferable are indicated by (*)**. Additional UC transferable units may be chosen as electives.
- Earn a cumulative GPA of 2.0 in all college coursework completed.
- Meet Grossmont College residence requirements for graduation (see Degree Requirements in college catalog).
- Students pursuing a University Studies degree in Mathematics and Natural Science and Computer Science are eligible to use IGETC for STEM to fulfill the general education requirements of this degree.

While 18 units are required in a specific area to meet the requirements of the degree, it is strongly recommended that as many lower division preparation for the major courses as possible be completed at the community college prior to transfer. Cross-listed courses receive credit for only one course. Some baccalaureate majors and four-year institutions require a higher GPA than is necessary for the Associate Degree. Completion of the University Studies Degree does not guarantee admission to a four-year institution.

The Program-level Student Learning Outcomes (PSLOs) are outcomes that students who complete a degree / certificate in this program will be able to achieve upon degree / certificate completion. The PSLOs for the University Studies degree in **Business and Economics** are:

- Use information technology and principles of business to support effective decision making in organizations.
- Analyze markets, economic environments and associated trends at the macro and/or micro levels.
- Apply mathematical and quantitative skills in order to make sound decisions and solve problems in the business environment.

Courses in this major focus on the study of business transaction theory and practice, the operations and strategies of business decisions, legal concepts, and the place of business in the American and global economy as a whole. Students apply mathematical and quantitative reasoning skills to the discipline's methodologies, and evaluate and interpret basic economic principles and theories related to performance and specific economic sectors. Students completing this area may be interested in the following baccalaureate majors: accounting, business, economics, finance, information and decision systems, international business, hospitality/tourism, management, and marketing. **Students must complete a minimum of three units or one course in business, three units or one course in economics. The remaining units may be taken from either category.**

Business

Code	Title	Units
BUS-110	Introduction to Business	
BUS-120	Financial Accounting	
BUS-121	Managerial Accounting	
BUS-125	Business Law: Legal Environment of Business	
BUS-128	Business Communication ¹	
BUS-158	Introduction to Hospitality and Tourism Management ¹	

BUS-160	Hospitality Managerial Accounting and Controls ¹
BUS-197	Personal Ethics At Work ¹

Economics

Code	Title	Units
ECON-110	Economic Issues and Policies	
ECON-120	Principles of Macroeconomics	
ECON-121	Principles of Microeconomics	
ECON-125	Economic History of the United States ¹	
ECON-130	Comparative Economic Systems ¹	
ECON-135	Environmental Economics ¹	
ECON-261	Economic Relations of the Asia Pacific	

Electives

Code	Title	Units
CSIS-110	Principles of Information Systems	
ECON-215	Statistics for Business and Economics	
LIR-110	Research Methods in an Online World ¹	
MATH-160	Elementary Statistics	
MATH-175	College Algebra	
MATH-178	Calculus for Business, Social and Behavioral Sciences	
MATH-180	Analytic Geometry and Calculus I	
MATH-280	Analytic Geometry and Calculus II	
MATH-281	Multivariable Calculus	

¹ Non-UC transferable course.

Virtual Office Assistant Certificate of Proficiency



This Certificate of Proficiency prepares students to create and run a virtual office business. More specifically, the certificate prepares a student to act as an entrepreneur specializing in administrative services provided to clients in a virtual environment.

Code	Title	Units
BOT-100	Basic Keyboarding	1
BOT-103A	Building Keyboarding Skill I	0.5
BOT-103B	Building Keyboarding Skill II	0.5
BOT-111	Virtual Assistant	2
BOT-115	Essential Excel	1
BOT-120	Comprehensive Word, Level I	1
BOT-121	Comprehensive Word, Level II	1
BOT-150	Using Microsoft Publisher	1
BUS-141	Entrepreneurship: Managing a New Business	3

BUS-146	Marketing	3
Total Units		14

Health Sciences



- Cardiovascular Technology Associate in Science (p. 112)
- Exercise Science and Wellness Associate in Science and Certificate of Achievement (p. 119)
- Fitness Specialist Certification, Certificate of Proficiency (p. 120)
- General Studies AA - Wellness and Self-Development (p. 121)
- Kinesiology For Transfer (AA-T) (p. 123)
- Nursing Associate in Science (p. 124)
- Nutrition Associate in Science and Certificate of Achievement (p. 130)
- Occupational Therapy Assistant Associate in Science (p. 131)
- Orthopedic Technology Associate in Science and Certificate of Achievement (p. 138)
- Respiratory Therapy Associate in Science (p. 144)
- Sleep Disorders, Diagnostic Procedures, and Treatment Certificate of Proficiency (p. 151)
- Telemetry / ECG Technician Certificate of Achievement (p. 151)

Cardiovascular Technology Associate in Science



Refer to Admission: Cardiovascular Technology Program (CVTE) in Admission Information (p. 18) for special admissions procedures and criteria.

Cardiovascular Technology students are educated in the theory and clinical application of diagnostic tests used in the diagnosis and treatment of cardiovascular disease. The first year of the program is composed of a core curriculum of courses which encompass physics, mathematics, cardiovascular anatomy, physiology and pathophysiology, medical instrumentation and the application of clinical cardiovascular techniques.

After the first semester, students select one of three subspecialties for concentrated study, which includes lecture, laboratory and clinical experience courses.

Students are admitted to the Cardiovascular Technology Program based on the date a completed application packet is submitted to include the following: CVT application, completed immunizations and/or tests and official transcripts of all science prerequisites if taken outside of GCCCD. Program applications are accepted year round and is a separate process from an application to Grossmont College.

For all information on admission criteria, see the Cardiovascular Technology Program at <https://www.grossmont.edu/academics/programs/cvt/index.php> (<https://www.grossmont.edu/academics/programs/cvt/>).

Grossmont College prepares the student for an Associate Degree in Science as a Cardiovascular Technologist. In addition to the cardiovascular technology courses, the major requires selected general education courses to be successfully completed for the degree. Upon completion of all degree requirements, the graduate is eligible to sit for the registry exam as a Cardiovascular Technologist administered by Cardiovascular Credentialing International (CCI) and/or with the American Registry of Diagnostic Medical Sonographers (ARDMS).

The Associate Degree Cardiovascular Technology Program is accredited through the Commission on Accreditation of Allied Health Education Programs (<https://www.caahep.org/>) upon the recommendation of the Joint Review Committee on Education in Cardiovascular Technology (<https://www.jrccvt.org/>) located at 9355 113th Street, N., #7709, Seminole, FL 33775.

Important: Any prior conviction of a misdemeanor or felony may influence eligibility for licensure or certification as a Cardiovascular Technologist. A flagged background check or drug screen may also prohibit participation in the program, registry, or securing employment. Applicants with prior convictions are urged to contact Cardiovascular Credentialing International (CCI) at 800-326-0268 and the American Registry of Diagnostic Medical Sonographers (ARDMS) at 301-738-8401.

Subspecialties include:

Invasive Cardiovascular Technology

Invasive Cardiovascular Technologists work in cardiac catheterization laboratories where they assist the invasive cardiologist in performing diagnostic and interventional procedures such as cardiac catheterization, balloon angioplasty, electrocardiographic monitoring, and stent and pacemaker placement. The technologist assists the physician during the catheterization, providing the appropriate instruments, operates various pieces of electronic medical equipment and calculates clinical information for interpretation by the physician.

Adult Echocardiography

Adult Echocardiographers perform cardiac ultrasound studies and specialized electrocardiographic procedures. The information obtained from these clinical studies is used by the cardiologist to evaluate patients for cardiovascular disease and designing comprehensive treatment plans. These technologists perform the studies, operate various electronic instruments, prepare preliminary reports and calculate clinical information for interpretation by the physician.

Vascular Technology

Vascular Technologists perform ultrasound and other diagnostic studies to evaluate arterial and venous obstructions, malformations, or diseases which may put the patient at risk for a stroke, or for loss of circulation in their extremities. The information obtained from these clinical studies is used by vascular surgeons and neurologists to establish a diagnosis, assess the severity of existing disease, and to design comprehensive treatment plans. The vascular technologist performs the studies, operates various medical instruments, prepares preliminary reports and calculates clinical information for interpretation by the physician.

Career Opportunities

<https://www.grossmont.edu/student-support/career-center/resources.php>

Cardiac Sonographer
Coronary Interventional Specialist
Cath Lab Specialist

Vascular Technologist Sonographer
 Peripheral Vascular Specialist
 Department Lead, Supervisor, or Manager
 Equipment Sales Representative
 Pacemaker Representative
 Surgical and Endovascular Equipment Sales
 With additional training, Nursing, Physicians Assistant or Surgical Assistant

The Program-level Student Learning Outcomes (PSLOs) below are outcomes that students will achieve after completing specific degree requirements in this program. Students will:

1. Develop and maintain professional behaviors such as, striving for excellence in skills and knowledge, sharing knowledge and skills with others, caring for self, caring for and supporting patients, and protecting patients' rights, privacy and dignity. Continue life-long learning habits and professional growth.
2. Students of **Invasive Cardiology** will apply principles of cardiovascular anatomy, physiology, pathophysiology and medical instrumentation to perform and interpret diagnostic and interventional studies in the cardiac catheterization laboratory.
3. Students of **Invasive Cardiology** will set up, calibrate and operate diagnostic and interventional instrumentation in the Cardiac Catheterization Laboratory.
4. Students of **Adult Echocardiography** will apply principles of cardiovascular anatomy, physiology, pathophysiology and medical instrumentation to perform, analyze and interpret diagnostic studies.
5. Students of **Adult Echocardiography** will perform diagnostic cardiac ultrasound studies using standard and Doppler ultrasound instruments equipped with surface and transesophageal transducers. Calculate prescribed hemodynamic function indices for interpretation by the physician.
6. Students of **Vascular Technology** will apply principles of vascular anatomy, physiology, pathophysiology and medical instrumentation to perform and interpret diagnostic studies.
7. Students of **Vascular Technology** will perform vascular diagnostic studies using duplex ultrasound, continuous-wave Doppler, arterial and venous plethysmography and photoplethysmography.

General Education Requirements for Cardiovascular Technology Majors

All Allied Health and Nursing students adhere to the graduation requirements outlined in the college catalog for the academic year in which they enter the program.

Competency Requirement

1. Competency in reading, writing, expression shown by achieving a "C" grade or higher or "Pass" in courses listed under Area A, Section 1 – Written Communication.
2. Competency in Mathematics shown by
 - a. Completion of MATH-120 Quantitative Reasoning or a higher numbered math course with a grade of "C" or higher or a grade of "P"; or a statistics course from another discipline with a grade of "C" or higher or a grade of "P"; or placing into a math course numbered MATH-170 Analytic Trigonometry or above.

Area A - Language and Rationality

Three courses (a minimum of nine units) are required in written communication, oral communication, and analytical thinking. At least one course must be taken from **each** of the following three sections:

Code	Title	Units
1. Written Communication		
Must be completed with a "C" grade or higher or "Pass"		
ENGL-120	College Composition and Reading	3
ENGL-124	Advanced Composition: Critical Reasoning and Writing	3
ESL-122	College Rhetoric	6
2. Oral Communication		
COMM-120	Interpersonal Communication	3
COMM-122	Public Speaking	3
COMM-130	Fundamentals of Human Communication	3
3. Analytical Thinking		
Must be completed with a "C" grade or higher or "Pass"		
ANTH-215	Statistics for the Behavioral Sciences	4
BIO-215	Statistics for Life Sciences	3
ECON-215	Statistics for Business and Economics	4
GEOG-104	Introduction to Geographic Information Science	3
MATH-103	Intermediate Algebra	3
MATH-108	Beginning & Intermediate Algebra for Business, Math, Science, and Engineering Majors	6
MATH-110	Intermediate Algebra for Business, Math, Science and Engineering Majors	5
MATH-120	Quantitative Reasoning	3
MATH-125	Structure and Concepts of Elementary Mathematics I	3
MATH-126	Structure and Concepts of Elementary Mathematics II	3
MATH-150	Introduction to Computer Programming Applications in Mathematics	3
MATH-160	Elementary Statistics	4
MATH-170	Analytic Trigonometry	3
MATH-175	College Algebra	4
MATH-176	Precalculus: Functions and Graphs	6
MATH-178	Calculus for Business, Social and Behavioral Sciences	4
MATH-180	Analytic Geometry and Calculus I	5
MATH-245	Discrete Mathematics	3
MATH-280	Analytic Geometry and Calculus II	4
MATH-281	Multivariable Calculus	4
MATH-284	Linear Algebra	3
MATH-285	Differential Equations	3
PHIL-125	Critical Thinking	3
PHIL-130	Logic	3
PSC-120	Fundamentals of Scientific Computing (MATLAB)	4
PSY-215	Statistics for the Behavioral Sciences	4
SOC-215	Statistics for the Behavioral Sciences	4

Area B - Natural Sciences

Two natural science courses (a minimum of seven units) are required.
One course must contain a laboratory.

Code	Title	Units
ANTH-130	Introduction to Biological Anthropology ¹	3
ANTH-131	Biological Anthropology Laboratory ²	3
ASTR-110	Descriptive Astronomy ¹	3
ASTR-112	General Astronomy Laboratory ²	1
ASTR-120	Exploration of the Solar System	3
BIO-105	Marine Biology	4
BIO-110	Environmental Biology	4
BIO-112	Contemporary Issues in Environmental Resources ¹	3
BIO-114	Heredity, Evolution and Society ¹	3
BIO-118	Introduction to Human Biology ¹	3
BIO-120	Principles of Biology	4
BIO-140	Human Anatomy	4
BIO-141	Human Physiology	3
BIO-141L	Laboratory in Human Physiology ²	1
BIO-144	Anatomy and Physiology I	4
BIO-145	Anatomy and Physiology II	4
BIO-152	Paramedical Microbiology	5
BIO-230	Principles of Cellular, Molecular and Evolutionary Biology	4
BIO-240	Principles of Ecology, Evolution and Organismal Biology	5
CHEM-102	Introduction to General, Organic and Biological Chemistry	5
CHEM-110	Environmental Chemistry ¹	3
CHEM-113	Forensic Chemistry	4
CHEM-115	Fundamentals of Chemistry	4
CHEM-116	Introductory Organic and Biochemistry	4
CHEM-117	Introductory Biochemistry	3
CHEM-120	Preparation for General Chemistry	4
CHEM-141	General Chemistry I	5
CHEM-142	General Chemistry II	5
CHEM-231	Organic Chemistry I	5
CHEM-232	Organic Chemistry II	5
CHEM-241	Organic Chemistry I Lecture ¹	3
CHEM-241L	Organic Chemistry I Laboratory ²	2
CHEM-242	Organic Chemistry II Lecture ¹	3
CHEM-242L	Organic Chemistry II Laboratory ²	2
GEOG-120	Physical Geography: Earth Systems ¹	3
GEOG-121	Physical Geography: Earth Systems Laboratory ²	1
GEOG-140	Meteorology: Weather and Climate ¹	3
GEOL-104	Earth Science ¹	3
GEOL-110	Planet Earth ¹	3
GEOL-111	Planet Earth Laboratory ²	1
GEOL-121	Earth History	4
GEOL-210	Geology of California ¹	3
GEOL-220	Geology of the National Parks ¹	3

GEOL-230	Natural Disasters ¹	3
OCEA-112	Introduction to Oceanography ¹	3
OCEA-113	Oceanography Laboratory ²	1
PSC-100	Physical Science for Elementary Education ¹	3
PSC-110	Introduction to the Physical Sciences ¹	3
PSC-111	Introduction to Physical Sciences Laboratory ²	1
PHYC-110	Introductory Physics	4
PHYC-130	Fundamentals of Physics	4
PHYC-131	Fundamentals of Physics	4
PHYC-140	Mechanics of Solids	4
PHYC-201	Mechanics and Waves	5
PHYC-202	Electricity, Magnetism, and Heat	5
PHYC-203	Light, Optics, and Modern Physics	5
PHYC-240	Electricity, Magnetism, and Heat	4
PHYC-241	Light, Optics, and Modern Physics	4
SCI-110	Introduction to Scientific Thought ¹	3

¹ Course does not contain a laboratory component.

² Course is laboratory only.

Area C - Humanities

One humanities course (a minimum of three units) is required.

Code	Title	Units
ASL-120	American Sign Language I	4
ASL-121	American Sign Language II	4
ASL-140	Inside Deaf Culture	3
ASL-220	American Sign Language III	4
ASL-221	American Sign Language IV	4
ARBC-120	Arabic I	5
ARBC-121	Arabic II	5
ARBC-122	Arabic for the Arabic Speaker I	5
ARBC-123	Arabic for the Arabic Speaker II	5
ARBC-148	Language, Culture, and Literature of the Arab World	3
ARBC-220	Arabic III	5
ARBC-221	Arabic IV	5
ARBC-250	Conversational Arabic I	3
ARBC-251	Conversational Arabic II	3
ART-100	Art Appreciation	3
ART-120	Two-Dimensional Design	3
ART-124	Drawing I	3
ART-126	Ceramics I	3
ART-129	Three-Dimensional Design	3
ART-140	Survey of Western Art I: Prehistory Through Middle Ages	3
ART-141	Survey of Western Art II: Renaissance Through Modern	3
ART-142	Art of Africa, Oceania and the Americas	3
ART-143	Modern Art	3
ART-145	Contemporary Art	3
ART-146	Asian Art	3

ART-147	American Art	3	FREN-251	Conversational French II	3
ART-171	Introduction to Digital Art	3	GERM-120	German I	5
CHIN-120	Chinese I	5	GERM-121	German II	5
CHIN-121	Chinese II	5	GERM-220	German III	5
CHIN-220	Chinese III	5	GERM-221	German IV	5
CHIN-221	Chinese IV	5	GERM-250	Conversational German I	3
CHIN-250	Conversational Chinese I	3	GERM-251	Conversational German II	3
CHIN-251	Conversational Chinese II	3	HIST-100	Early World History	3
COMM-135	Oral Interpretation of Literature	3	HIST-101	Modern World History	3
COMM-137	Critical Thinking in Group Communication	3	HIST-103	Twentieth Century World History	3
COMM-144	Communication Studies: Race and Ethnicity	3	HIST-105	Early Western Civilization	3
COMM-145	Argumentation	3	HIST-106	Modern Western Civilization	3
DANC-110	Dance History	3	HIST-113	American Military History	3
DANC-120	Dance Appreciation	3	HIST-126	History of Mexico	3
ENGL-122	Introduction to Literature	3	HIST-135	Ancient History of Western Civilization	3
ENGL-126	Introduction to Creative Writing	3	HIST-136	Survey of Medieval History	3
ENGL-134	Creative Nonfiction Writing I	3	HIST-137	History of East Asia	3
ENGL-135	Creative Nonfiction Writing II	3	HIST-148	Modern Middle East History	3
ENGL-136	Creative Nonfiction Writing III	3	HUM-110	Principles of the Humanities	3
ENGL-137	Creative Nonfiction Writing IV	3	HUM-120	European Humanities	3
ENGL-201	Women, Gender, and Sexuality in Literature	3	HUM-125	Women and Western Culture	3
ENGL-203	Children's Literature	3	HUM-130	East Asian Humanities	3
ENGL-215	Mythology	3	HUM-135	Blues as Literature, History, and Culture	3
ENGL-217	Fantasy and Science Fiction	3	HUM-140	Humanities of the Americas	3
ENGL-218	Shakespeare - His Plays and the Theatre of His Time	3	HUM-160	Humanities of the Future	3
ENGL-219	Views of Death and Dying in Literature	3	HUM-170	Modern World Humanities	3
ENGL-221	British Literature I	3	ITAL-120	Italian I	5
ENGL-222	British Literature II	3	ITAL-121	Italian II	5
ENGL-231	American Literature I	3	ITAL-220	Italian III	5
ENGL-232	American Literature II	3	ITAL-221	Italian IV	5
ENGL-236	Chicana/o Literature	3	ITAL-250	Conversational Italian I	3
ENGL-237	American Indian Literature	3	ITAL-251	Conversational Italian II	3
ENGL-238	Black Literature	3	JAPN-120	Japanese I	5
ENGL-277	Literary Theme	3	JAPN-121	Japanese II	5
ESL-115	Exploring U.S. Cultures	6	JAPN-149	Japanese Culture and Civilization	3
ETHN-126	Chicano/Chicana and Mexican Art	3	JAPN-220	Japanese III	5
ETHN-127	La Chicana	3	JAPN-221	Japanese IV	5
ETHN-134	Introduction to American Indian Art	3	JAPN-250	Conversational Japanese I	3
ETHN-143	Images of Black Women	3	JAPN-251	Conversational Japanese II	3
ETHN-144	Communication Studies: Race and Ethnicity	3	MCOM-111	Introduction to Film Analysis	3
ETHN-236	Chicana/o Literature	3	MUS-110	Great Music Listening	3
ETHN-237	American Indian Literature	3	MUS-111	The History of Jazz	3
ETHN-238	Black Literature	3	MUS-115	The History of Rock Music	3
FREN-120	French I	5	MUS-116	Introduction to World Music	3
FREN-121	French II	5	MUS-117	Introduction to Music History and Literature	3
FREN-152	The French-Speaking World: A Cross-Cultural Perspective	3	MUS-123	History of Hip Hop Culture	3
FREN-220	French III	5	MUS-189	Multimedia and the Creative Arts	3
FREN-221	French IV	5	PHIL-110	A General Introduction to Philosophy	3
FREN-250	Conversational French I	3	PHIL-111	Philosophy and Popular Culture	3
			PHIL-115	History of Philosophy I: Ancient and Medieval	3

PHIL-117	History of Philosophy II: Modern and Contemporary	3	CD-145	Child Abuse and Family Violence in Our Society	3
PHIL-140	Problems in Ethics	3	CD-153	Teaching in a Diverse Society	3
PHIL-141	Bioethics	3	COMM-124	Intercultural Communication	3
PHIL-145	Social and Political Philosophy	3	COMM-126	Communication Studies: Health and Wellness	3
PHIL-150	The Philosophy of Art	3	COMM-128	Global Communication	3
PHIL-155	The Philosophy of Science	3	ECON-110	Economic Issues and Policies	3
PHIL-160	Latin American Philosophy	3	ECON-120	Principles of Macroeconomics	3
PHOT-150	Introduction to Photography	3	ECON-121	Principles of Microeconomics	3
PHOT-154	History of Photography	3	ETHN-107	History of Race & Ethnicity in the United States	3
RELG-120	World Religions	3	ETHN-114	Introduction to Race & Ethnicity	3
RELG-130	Scriptures of World Religions	3	ETHN-115	Introduction to Cultural Competence	3
RELG-140	Religion and Culture	3	ETHN-118	U.S. History: Chicano/Chicana Perspectives I	3
RELG-150	Scriptures of India and China	3	ETHN-119	U.S. History: Chicano/Chicana Perspective II	3
RELG-170	Introduction to Christianity	3	ETHN-125	Cross-Cultural Psychology	3
RUSS-120	Russian I	5	ETHN-128	Introduction to Chicana/o Studies	3
RUSS-121	Russian II	5	ETHN-130	U.S. History and Cultures: Native American Perspectives I	3
RUSS-220	Russian III	5	ETHN-135	San Diego County American Indian Tribes	3
RUSS-221	Russian IV	5	ETHN-137	American Indian Culture and Heritage	3
RUSS-250	Conversational Russian I	3	ETHN-138	The History and Cultures of California Indians	3
RUSS-251	Conversational Russian II	3	ETHN-143	Images of Black Women	3
SPAN-120	Spanish I	5	ETHN-145	Introduction to Black Studies	3
SPAN-121	Spanish II	5	ETHN-160	U.S. History: Asian American and Pacific Island American Perspectives I	3
SPAN-122	Spanish for the Native Speaker I	5	ETHN-161	U.S. History: Asian American and Pacific Island American Perspectives II	3
SPAN-123	Spanish for the Native Speaker II	5	ETHN-180	U.S. History: Black Perspectives I	3
SPAN-141	Spanish and Latin American Cultures	3	ETHN-181	U.S. History: Black Perspectives II	3
SPAN-145	Hispanic Civilizations	3	FS-115	Changing American Family	3
SPAN-220	Spanish III	5	FS-120	Human Development	3
SPAN-221	Spanish IV	5	GEND-116	Introduction to Women's Studies	3
SPAN-250	Conversational Spanish I	3	GEND-117	Introduction to LGBTQ Studies	3
SPAN-251	Conversational Spanish II	3	GEND-154	Early History of Women in World Civilization	3
THTR-101	Introduction to Narrative Theory	3	GEND-155	Modern History of Women in World Civilization	3
THTR-110	Introduction to the Theatre	3	GEOG-100	Introduction to Global Studies	3
THTR-130	Acting I	3	GEOG-101	Global Issues	3
THTR-143	Historic Costume for the Theatre	3	GEOG-106	World Regional Geography	3
THTR-144	20th Century Fashion and Costume	3	GEOG-130	Human Geography: The Cultural Landscape	3
THTR-205	The American Musical on Stage and Screen	3	GEOG-170	The Geography of California	3
			HED-120	Personal Health and Lifestyles	3
			HED-201	Introduction to Public Health	3
			HIST-107	History of Race & Ethnicity in the United States	3
			HIST-108	Early American History	3
			HIST-109	Modern American History	3
			HIST-114	Comparative History of the Early Americas	3

Area D - Social Sciences

One social science course (a minimum of three units) is required.

Code	Title	Units
AOJ-110	Introduction to Administration of Justice	3
ANTH-120	Cultural Anthropology	3
ANTH-122	Anthropology of Magic, Witchcraft, and Religion	3
ANTH-127	Cultures of Latin America	3
ANTH-140	Introduction to Archaeology	3
CD-115	Changing American Family	3
CD-125	Child Growth and Development	3
CD-131	Child, Family and Community	3
CD-134	Health, Safety and Nutrition of Young Children	3

HIST-115	Comparative History of the Modern Americas	3
HIST-118	U.S. History: Chicano/Chicana Perspectives I	3
HIST-119	U.S. History: Chicano/Chicana Perspectives II	3
HIST-122	Women in Early American History	3
HIST-123	Women in Modern American History	3
HIST-124	History of California	3
HIST-130	U.S. History and Cultures: Native American Perspectives I	3
HIST-131	U.S. History and Cultures: Native American Perspectives II	3
HIST-154	Early History of Women in World Civilization	3
HIST-155	Modern History of Women in World Civilization	3
HIST-160	U.S. History: Asian American and Pacific Island American Perspectives I	3
HIST-161	U.S. History: Asian American and Pacific Island American Perspectives II	3
HIST-180	U.S. History: Black Perspectives I	3
HIST-181	U.S. History: Black Perspectives II	3
MCOM-110	Mass Media and Society	3
MCOM-210	Social Media in the Digital Age	3
MCOM-250	Introduction to Representation in the Media	3
NUTR-155	Introduction to Nutrition	3
NUTR-158	Nutrition for Fitness and Sports	3
NUTR-159	Cultural Aspects of Food and Nutrition	3
POSC-120	Introduction to Politics and Political Analysis	3
POSC-121	Introduction to U.S. Government and Politics	3
POSC-124	Introduction to Comparative Government and Politics	3
POSC-130	Introduction to International Relations	3
POSC-140	Introduction to California Governments and Politics	3
POSC-150	Introduction to Political Theory	3
POSC-160	Politics in Film	3
PSY-120	Introductory Psychology	3
PSY-125	Cross-Cultural Psychology	3
PSY-132	Psychology of Health	3
PSY-134	Human Sexuality	3
PSY-138	Social Psychology	3
PSY-140	Physiological Psychology	3
PSY-170	Abnormal Psychology	3
PSY-220	Learning	3
RELG-165	Religion in America	3
SOC-114	Introduction to Race & Ethnicity	3
SOC-120	Introductory Sociology	3
SOC-125	Marriage, Family, and Alternate Lifestyles	3
SOC-130	Contemporary Social Problems	3
SOC-138	Social Psychology	3

SOC-140	Sex and Gender Across Cultures	3
SOC-150	Latinx Communities in the United States	3

Area E - Fitness/Wellness

Two courses involving physical exercise and/or dance are required. They can be chosen from the exercise science and/or dance courses listed below:

Code	Title	Units
DANC-068	Introduction to Dance	1.5
DANC-071A	Studio Workshop in Tap Dance I	1
DANC-071B	Studio Workshop in Tap Dance II	1
DANC-072A	Studio Workshop in Modern Dance I	1
DANC-072B	Studio Workshop in Modern Dance II	1
DANC-074A	Studio Workshop in Jazz Dance I	1
DANC-074B	Studio Workshop in Jazz Dance II	1
DANC-078A	Studio Workshop in Ballet I	1
DANC-078B	Studio Workshop in Ballet II	1
DANC-080A	Modern I	1.5
DANC-080B	Modern II	1.5
DANC-080C	Modern III	1.5
DANC-080D	Modern IV	1.5
DANC-081A	Tap I	1.5
DANC-081B	Tap II	1.5
DANC-081C	Tap III	1.5
DANC-081D	Tap IV	1.5
DANC-082A	Social and Ballroom Dance I	1.5
DANC-082B	Social and Ballroom Dance II	1.5
DANC-083A	Latin American Dance I	1.5
DANC-083B	Latin American Dance II	1.5
DANC-084A	Jazz I	1.5
DANC-084B	Jazz II	1.5
DANC-084C	Jazz III	1.5
DANC-084D	Jazz IV	1.5
DANC-088A	Ballet I	1.5
DANC-088B	Ballet II	1.5
DANC-088C	Ballet III	1.5
DANC-088D	Ballet IV	1.5
DANC-094A	Hip Hop I	1.5
DANC-094B	Hip Hop II	1.5
DANC-094C	Hip Hop III	1.5
DANC-094D	Hip Hop IV	1.5
DANC-099A	Studio Workshop in Pointe I	1
DANC-099B	Studio Workshop in Pointe II	1
DANC-099C	Studio Workshop in Pointe III	1
DANC-118A	Pilates I	1.5
DANC-118B	Pilates II	1.5
DANC-118C	Pilates III	1.5
DANC-118D	Pilates IV	1.5
ES-001	Adapted Physical Exercise	1
ES-002	Advanced Adapted Physical Exercise	1
ES-003	Adaptive Aerobic Fitness	1
ES-004A	Beginning Fitness for the Newcomer	1

ES-004B	Intermediate Fitness for the Newcomer	1	ES-037B	Intermediate Springboard Diving	1
ES-004C	Advanced Fitness for the Newcomer	1	ES-037C	Advanced Springboard Diving	1
ES-005A	Beginning Cardio Fitness and Resistance Training	1.5	ES-039	Swimming for Nonswimmers	1
ES-005B	Intermediate Cardio Fitness and Resistance Training	1.5	ES-040A	Beginning Aquatic Fitness	1
ES-005C	Advanced Cardio Fitness and Resistance Training	1.5	ES-040B	Intermediate Aquatic Fitness	1
ES-006A	Beginning Fitness Circuit	1	ES-040C	Advanced Aquatic Fitness	1
ES-006B	Intermediate Fitness Circuit	1	ES-041	Adapted Water Aerobics	1.5
ES-006C	Advanced Fitness Circuit	1	ES-043A	Beginning Swimming	1
ES-007A	Beginning Aerobic Walking for Fitness and Wellness	1.5	ES-043B	Intermediate Swimming	1
ES-007B	Intermediate Aerobic Walking for Fitness and Wellness	1.5	ES-043C	Advanced Swimming	1
ES-007C	Advanced Aerobic Walking for Fitness and Wellness	1.5	ES-044A	Beginning Lap Swimming for Health and Fitness	1
ES-008A	Beginning Indoor Cycling	1	ES-044B	Intermediate Lap Swimming for Health and Fitness	1
ES-008B	Intermediate Indoor Cycling	1	ES-044C	Advanced Lap Swimming for Health and Fitness	1
ES-008C	Advanced Indoor Cycling	1	ES-060A	Beginning Badminton	1
ES-009A	Beginning Aerobic Dance Exercise	1	ES-060B	Intermediate Badminton	1
ES-009B	Intermediate Aerobic Dance Exercise	1	ES-060C	Advanced Badminton	1
ES-009C	Advanced Aerobic Dance Exercise	1	ES-061A	Beginning Pickleball	1
ES-016A	Beginning Trail Running	1	ES-061B	Intermediate Pickleball	1
ES-016B	Intermediate Trail Running	1	ES-061C	Advanced Pickleball	1
ES-016C	Advanced Trail Running	1	ES-076A	Beginning Tennis	1
ES-017A	Beginning Trail Hiking	1	ES-076B	Intermediate Tennis	1
ES-017B	Intermediate Trail Hiking	1	ES-076C	Advanced Tennis	1
ES-017C	Advanced Trail Hiking	1	ES-125A	Beginning Golf	1
ES-021A	Beginning Fitness for Chronic Disease And Injury Prevention	1.5	ES-125B	Intermediate Golf	1.5
ES-021B	Intermediate Fitness for Chronic Disease And Injury Prevention	1.5	ES-125C	Advanced Golf	1.5
ES-021C	Advanced Fitness for Chronic Disease and Injury Prevention	1.5	ES-130A	Beginning Gymnastics	1
ES-022	Total Body Conditioning	1	ES-130B	Intermediate Gymnastics	1.5
ES-023A	Beginning Resistance Training	1	ES-130C	Advanced Gymnastics	1.5
ES-023B	Intermediate Resistance Training	1	ES-155A	Beginning Basketball	1
ES-023C	Advanced Resistance Training	1	ES-155B	Intermediate Basketball	1
ES-024A	Beginning Fitness Boot Camp	1	ES-155C	Advanced Basketball	1
ES-024B	Intermediate Fitness Boot Camp	1	ES-170A	Beginning Soccer	1
ES-024C	Advanced Fitness Boot Camp	1	ES-170B	Intermediate Soccer	1
ES-026	Stress Reduction Through Movement and Mindfulness	1	ES-170C	Advanced Soccer	1
ES-027A	Beginning T'ai Chi Ch'uan	1	ES-171A	Beginning Softball	1
ES-027B	Intermediate T'ai Chi Ch'uan	1	ES-171B	Intermediate Softball	1
ES-027C	Advanced T'ai Chi Ch'uan	1	ES-171C	Advanced Softball	1
ES-028A	Beginning Yoga	1.5	ES-172A	Beginning Baseball	1
ES-028B	Intermediate Yoga	1.5	ES-172B	Intermediate Baseball	1
ES-028C	Advanced Yoga	1.5	ES-172C	Advanced Baseball	1
ES-029	Adapted Yoga	1	ES-175A	Beginning Volleyball	1
ES-030	Adaptive Aquatic Sports Education	1	ES-175B	Intermediate Volleyball	1
ES-035	Adapted Swimming Limited	1	ES-175C	Advanced Volleyball	1
ES-037A	Beginning Springboard Diving	1	ES-176A	Beginning Beach Volleyball	1
			ES-176B	Intermediate Beach Volleyball	1
			ES-176C	Advanced Beach Volleyball	1
			ES-180	Self-Defense for Women	1
			ES-185A	Beginning Fencing	1.5

ES-185B	Intermediate Fencing	1.5
ES-185C	Advanced Fencing	1.5

CVTE-253	Diagnostic Procedures II: Vascular Technology	5
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Total Units **29**

Associate Degree Major Requirements

Code	Title	Units
Core Curriculum		
All students complete the following core courses in the first year of the program:		
CVTE-100	Physical Principles of Medicine I	2
CVTE-101	Cardiovascular Physiology I	4
CVTE-102	Medical Instrumentation I	3
CVTE-103	Laboratory Practicum and Proficiency Testing I	2
CVTE-111	Cardiovascular Physiology II	4
CVTE-113	Introduction to Clinical Practicum II	1
CVTE-114	Cardiovascular Pharmacology	2
Total Units		18

Invasive Area of Emphasis

Code	Title	Units
CVTE-109	X-Ray Physics and Radiation Safety	3
CVTE-116	Introduction to Invasive Cardiology	4
CVTE-130	Clinical Practicum I	2
CVTE-220	Clinical Practicum II	5
CVTE-222	Interventional Procedures I: Invasive Cardiology	5
CVTE-250	Clinical Practicum III	5
CVTE-252	Interventional Procedures II: Invasive Cardiology	5
Total Units		29

Adult Echocardiography Area of Emphasis

Code	Title	Units
CVTE-110	Physical Principles of Medicine II	3
CVTE-115	Introduction to Adult Echocardiography	4
CVTE-130	Clinical Practicum I	2
CVTE-220	Clinical Practicum II	5
CVTE-221	Diagnostic Procedures I: Adult Echocardiography	5
CVTE-250	Clinical Practicum III	5
CVTE-251	Diagnostic Procedures II: Adult Echocardiography	5
Total Units		29

Vascular Technology Area of Emphasis

Code	Title	Units
CVTE-110	Physical Principles of Medicine II	3
CVTE-117	Introduction to Vascular Technology	4
CVTE-130	Clinical Practicum I	2
CVTE-220	Clinical Practicum II	5
CVTE-223	Diagnostic Procedures I: Vascular Technology	5
CVTE-250	Clinical Practicum III	5

Exercise Science and Wellness Associate in Science and Certificate of Achievement



The Department of Exercise Science and Wellness (formerly the Department of Physical Education) offers a solid academic foundation for further study in the field of exercise science, kinesiology and/or physical education. The primary emphasis of the Exercise Science and Wellness major program is to prepare students for successful transfer to baccalaureate (four-year) institutions as well as for entry-level jobs within the fitness industry. The course package for majors is modeled on the preparation for major at San Diego State University, and allows for an emphasis either in Fitness, Nutrition and Health in line with SDSU. The package may also satisfy many requirements for most other California State University institutions as well, but students should check the catalog of the school being considered for its specific requirements.

This department also offers a Fitness Specialist Certificate program which is designed to prepare students to take nationally recognized certification examinations offered throughout the fitness industry. Refer to Fitness Specialist Certification, Certificate of Proficiency in Associate Degree Programs and Certificates (<https://catalog.gcccd.edu/grossmont/associate-degree-programs-certificates/health-sciences/exercise-science-wellness/fitness-specialist-certification-cert-proficiency/>). For more details, contact the Exercise Science Department.

Career Opportunities

<https://www.grossmont.edu/student-support/career-center/resources.php>

- Athletic Trainer¹
- Fitness Professional (personal trainer, aerobic dance instructor, fitness club instructor, etc.)
- Instructor, fitness club instructor, etc.
- Physical Therapy¹
- Recreational Sports Coach¹
- Secondary School Coach¹
- Teacher¹

¹ Bachelor's Degree or higher required.

The Program-level Student Learning Outcomes (PSLOs) below are outcomes that students will achieve after completing specific degree / certificate requirements in this program. Students will:

1. Demonstrate knowledge, skills and appreciation of exercise science principles.
2. Identify the basic principles for maintaining an active and healthy lifestyle.

Associate Degree Major Requirements

Code	Title	Units
ES-005A	Beginning Cardio Fitness and Resistance Training	1.5
or ES-005B	Intermediate Cardio Fitness and Resistance Training	
or ES-005C	Advanced Cardio Fitness and Resistance Training	
ES-250	Introduction to Kinesiology	3
ES-255	Care and Prevention of Athletic and Recreational Injuries	3
ES-290	Teaching Techniques and Methods in Exercise Science	1.5
BIO-140	Human Anatomy	4
CHEM-115	Fundamentals of Chemistry	4
or CHEM-120	Preparation for General Chemistry	
COMM-122	Public Speaking	3
NUTR-158	Nutrition for Fitness and Sports	3
or NUTR-255	Science of Nutrition	
PSY-120	Introductory Psychology	3
SOC-120	Introductory Sociology	3
Select one of the following:		3-4
BIO-215	Statistics for Life Sciences	
PSY-215	Statistics for the Behavioral Sciences	
SOC-215	Statistics for the Behavioral Sciences	
MATH-160	Elementary Statistics	
Select one of the following:		1-1.5
ES-006A	Beginning Fitness Circuit	
ES-006B	Intermediate Fitness Circuit	
ES-006C	Advanced Fitness Circuit	
ES-008A	Beginning Indoor Cycling	
ES-008B	Intermediate Indoor Cycling	
ES-008C	Advanced Indoor Cycling	
ES-009A	Beginning Aerobic Dance Exercise	
ES-009B	Intermediate Aerobic Dance Exercise	
ES-009C	Advanced Aerobic Dance Exercise	
ES-023A	Beginning Resistance Training	
ES-023B	Intermediate Resistance Training	
ES-023C	Advanced Resistance Training	
ES-026	Stress Reduction Through Movement and Mindfulness	
ES-027A	Beginning T'ai Chi Ch'uan	
ES-027B	Intermediate T'ai Chi Ch'uan	
ES-027C	Advanced T'ai Chi Ch'uan	
ES-043A	Beginning Swimming	
ES-043B	Intermediate Swimming	
ES-043C	Advanced Swimming	
ES-060A	Beginning Badminton	
ES-060B	Intermediate Badminton	
ES-060C	Advanced Badminton	
ES-076A	Beginning Tennis	
ES-076B	Intermediate Tennis	
ES-076C	Advanced Tennis	

ES-125A	Beginning Golf
ES-125B	Intermediate Golf
ES-125C	Advanced Golf
ES-130A	Beginning Gymnastics
ES-130B	Intermediate Gymnastics
ES-130C	Advanced Gymnastics
ES-171A	Beginning Softball
ES-171B	Intermediate Softball
ES-171C	Advanced Softball
ES-175A	Beginning Volleyball
ES-175B	Intermediate Volleyball
ES-175C	Advanced Volleyball
Total Units	33-34.5

Plus General Education (<https://catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/>) and Elective Requirements

¹ NUTR-255 Science of Nutrition is required for the Kinesiology major at SDSU.

Certificate of Achievement

Any student who chooses to complete only those courses required for the above major (i.e. 33 – 34.5 units) qualifies for a Certificate of Achievement in Exercise Science and Wellness. An official request must be filed with the Admissions and Records Office prior to the deadline as stated in the Academic Calendar.

Fitness Specialist Certification, Certificate of Proficiency



Certificates of Proficiency are designed for the student who needs to be prepared to enter an entry-level job. A department-issued certificate may be awarded upon successful completion of a prescribed course of study. This certificate will **not** appear on a student's transcript. The Exercise Science and Wellness Department offers a program in Fitness Specialist Certification which is designed to prepare students to take nationally recognized certification examinations offered throughout the fitness industry. For more details, contact the ES department chair at (619) 644-7402.

The Exercise Science and Wellness Department offers a Fitness Specialist Certificate. Designed as a 1-year program with sequenced courses, this certificate prepares students to successfully pass national fitness certification exams as well as work in the fitness industry. The courses for the Fitness Specialist Certification are different than those required for transfer to 4-year institutions in Exercise Science or Kinesiology; courses are intended as vocational preparation rather than a step for a baccalaureate degree. For more details, contact the ES department chair at (619) 644-7400.

Code	Title	Units
ES-255	Care and Prevention of Athletic and Recreational Injuries	3
ES-291	Anatomy and Kinesiology for Fitness Specialists	3
ES-292	Exercise Physiology for Fitness Specialists	3
ES-293	Strength Trainer/Fitness Assessments for Fitness Specialists	2.5
ES-294	Exercise Program Design and Special Populations	3
ES-296	Internship Seminar for Fitness Specialists	0.5
ES-297	Internship for Fitness Specialists	1
NUTR-158	Nutrition for Fitness and Sports	3
Total Units		19

General Studies AA - Wellness and Self-Development



To meet the General Studies degree requirements, a student must complete the following:

1. AA/AS General Education Requirements (see Degree Requirements section of the catalog).
2. Choose a minimum of 18 units. Minimum 3 units from Wellness and 3 units from Self Development. A maximum of 3 units of credit allowed for ES/DANC activity courses.

The remaining units can be taken from either category.

This emphasis is designed to equip students with information and tools for lifelong wellness and self-development as integrated beings. Students will be acquainted with the vast landscape of wellness and self-development, taking into account the psychological, biological, developmental, physical factors, and they will be able to make effective decisions about optimizing their own wellness, lifestyle, and performance.

The Program-level Student Learning Outcomes (PSLOs) below are outcomes that students will achieve after completing specific degree / certificate requirements in this program. Students will:

1. Demonstrate an understanding of nutrition, optimal health/lifestyles and fitness in daily life through informed decision-making.
2. Describe basic principles of nutrition, personal and/or public health.
3. Demonstrate sound decision making with respect to personal health and wellness.

Wellness

Code	Title	Units
BIO-118	Introduction to Human Biology	
COMM-126	Communication Studies: Health and Wellness	
ES-250	Introduction to Kinesiology	

ES-255	Care and Prevention of Athletic and Recreational Injuries
HED-101	Keys to Successful Weight Control
HED-105	Health Education for Teachers
HED-120	Personal Health and Lifestyles
HED-201	Introduction to Public Health
NUTR-155	Introduction to Nutrition
NUTR-158	Nutrition for Fitness and Sports
NUTR-159	Cultural Aspects of Food and Nutrition
NUTR-205	The Scientific Principles of Food Preparation
NUTR-255	Science of Nutrition

Activity	
DANC-068	Introduction to Dance
DANC-071A	Studio Workshop in Tap Dance I
DANC-071B	Studio Workshop in Tap Dance II
DANC-072A	Studio Workshop in Modern Dance I
DANC-072B	Studio Workshop in Modern Dance II
DANC-074A	Studio Workshop in Jazz Dance I
DANC-074B	Studio Workshop in Jazz Dance II
DANC-080A	Modern I
DANC-080B	Modern II
DANC-080C	Modern III
DANC-080D	Modern IV
DANC-081A	Tap I
DANC-081B	Tap II
DANC-081C	Tap III
DANC-081D	Tap IV
DANC-082A	Social and Ballroom Dance I
DANC-082B	Social and Ballroom Dance II
DANC-083A	Latin American Dance I
DANC-083B	Latin American Dance II
DANC-084A	Jazz I
DANC-084B	Jazz II
DANC-084C	Jazz III
DANC-084D	Jazz IV
DANC-088A	Ballet I
DANC-088B	Ballet II
DANC-088C	Ballet III
DANC-088D	Ballet IV
DANC-094A	Hip Hop I
DANC-094B	Hip Hop II
DANC-094C	Hip Hop III
DANC-094D	Hip Hop IV
DANC-099A	Studio Workshop in Pointe I
DANC-099B	Studio Workshop in Pointe II
DANC-099C	Studio Workshop in Pointe III
DANC-118A	Pilates I
DANC-118B	Pilates II
DANC-118C	Pilates III
DANC-118D	Pilates IV

Activity

ES-001	Adapted Physical Exercise	ES-029	Adapted Yoga
ES-002	Advanced Adapted Physical Exercise	ES-030	Adaptive Aquatic Sports Education
ES-003	Adaptive Aerobic Fitness	ES-035	Adapted Swimming Limited
ES-004A	Beginning Fitness for the Newcomer	ES-037A	Beginning Springboard Diving
ES-004B	Intermediate Fitness for the Newcomer	ES-037B	Intermediate Springboard Diving
ES-004C	Advanced Fitness for the Newcomer	ES-037C	Advanced Springboard Diving
ES-005A	Beginning Cardio Fitness and Resistance Training	ES-039	Swimming for Nonswimmers
ES-005B	Intermediate Cardio Fitness and Resistance Training	ES-040A	Beginning Aquatic Fitness
ES-005C	Advanced Cardio Fitness and Resistance Training	ES-040B	Intermediate Aquatic Fitness
ES-006A	Beginning Fitness Circuit	ES-040C	Advanced Aquatic Fitness
ES-006B	Intermediate Fitness Circuit	ES-041	Adapted Water Aerobics
ES-006C	Advanced Fitness Circuit	ES-043A	Beginning Swimming
ES-007A	Beginning Aerobic Walking for Fitness and Wellness	ES-043B	Intermediate Swimming
ES-007B	Intermediate Aerobic Walking for Fitness and Wellness	ES-043C	Advanced Swimming
ES-007C	Advanced Aerobic Walking for Fitness and Wellness	ES-044A	Beginning Lap Swimming for Health and Fitness
ES-008A	Beginning Indoor Cycling	ES-044B	Intermediate Lap Swimming for Health and Fitness
ES-008B	Intermediate Indoor Cycling	ES-044C	Advanced Lap Swimming for Health and Fitness
ES-008C	Advanced Indoor Cycling	ES-060A	Beginning Badminton
ES-009A	Beginning Aerobic Dance Exercise	ES-060B	Intermediate Badminton
ES-009B	Intermediate Aerobic Dance Exercise	ES-060C	Advanced Badminton
ES-009C	Advanced Aerobic Dance Exercise	ES-061A	Beginning Pickleball
ES-016A	Beginning Trail Running	ES-061B	Intermediate Pickleball
ES-016B	Intermediate Trail Running	ES-061C	Advanced Pickleball
ES-016C	Advanced Trail Running	ES-076A	Beginning Tennis
ES-017A	Beginning Trail Hiking	ES-076B	Intermediate Tennis
ES-017B	Intermediate Trail Hiking	ES-076C	Advanced Tennis
ES-017C	Advanced Trail Hiking	ES-125A	Beginning Golf
ES-021A	Beginning Fitness for Chronic Disease And Injury Prevention	ES-125B	Intermediate Golf
ES-021B	Intermediate Fitness for Chronic Disease And Injury Prevention	ES-125C	Advanced Golf
ES-021C	Advanced Fitness for Chronic Disease and Injury Prevention	ES-130A	Beginning Gymnastics
ES-022	Total Body Conditioning	ES-130B	Intermediate Gymnastics
ES-023A	Beginning Resistance Training	ES-130C	Advanced Gymnastics
ES-023B	Intermediate Resistance Training	ES-155A	Beginning Basketball
ES-023C	Advanced Resistance Training	ES-155B	Intermediate Basketball
ES-024A	Beginning Fitness Boot Camp	ES-155C	Advanced Basketball
ES-024B	Intermediate Fitness Boot Camp	ES-170A	Beginning Soccer
ES-024C	Advanced Fitness Boot Camp	ES-170B	Intermediate Soccer
ES-026	Stress Reduction Through Movement and Mindfulness	ES-170C	Advanced Soccer
ES-027A	Beginning T'ai Chi Ch'uan	ES-171A	Beginning Softball
ES-027B	Intermediate T'ai Chi Ch'uan	ES-171B	Intermediate Softball
ES-027C	Advanced T'ai Chi Ch'uan	ES-171C	Advanced Softball
ES-028A	Beginning Yoga	ES-172A	Beginning Baseball
ES-028B	Intermediate Yoga	ES-172B	Intermediate Baseball
ES-028C	Advanced Yoga	ES-172C	Advanced Baseball
		ES-175A	Beginning Volleyball
		ES-175B	Intermediate Volleyball
		ES-175C	Advanced Volleyball
		ES-176A	Beginning Beach Volleyball
		ES-176B	Intermediate Beach Volleyball
		ES-176C	Advanced Beach Volleyball

ES-180	Self-Defense for Women
ES-185A	Beginning Fencing
ES-185B	Intermediate Fencing
ES-185C	Advanced Fencing

Self-Development

Code	Title	Units
BIO-112	Contemporary Issues in Environmental Resources	
BUS-195	Principles of Money Management for Success	
CD-125	Child Growth and Development	
CD-153	Teaching in a Diverse Society	
CHEM-110	Environmental Chemistry	
COMM-128	Global Communication	
COUN-104	Introduction to College Success Strategies	
COUN-110	Career Decision Making	
COUN-120	College and Career Success	
COUN-130	Study Skills and Time Management	
ENGL-219	Views of Death and Dying in Literature	
ETHN-115	Introduction to Cultural Competence	
FS-110	Life Management	
FS-120	Human Development	
FS-129	Introduction to Human Aging	
LIR-110	Research Methods in an Online World	
PSY-132	Psychology of Health	
PSY-134	Human Sexuality	
PSY-140	Physiological Psychology	
PSY-150	Developmental Psychology	
PSY-180	Psychology of Interpersonal Skills	
PSY-220	Learning	
SOC-125	Marriage, Family, and Alternate Lifestyles	



Associate Degree for TransferSM

Kinesiology For Transfer (AA-T)



The Associate in Arts in Kinesiology for Transfer (AA-T) degree is designed to facilitate transfer to a California State University in keeping with SB 1440. This degree reflects the Transfer Model Curriculum (TMC) supported by the Statewide Academic Senate. A total of 21-24.5 units are required to fulfill the major portion of this degree. Students must also complete the California State University (CSU) General Education Breadth requirements or the Intersegmental General Education Transfer Curriculum (IGETC) for CSU requirements (see the "General Education Requirements and Transfer Information" section of the catalog). Students planning to transfer to SDSU should consult with a counselor.

The following requirements must be met to be awarded an Associate in Arts in Kinesiology for Transfer (AA-T) degree:

1. Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
 - a. The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirement.
 - b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0. Students are also required to earn a "C" grade or higher or "Pass" in all courses required for the major.

The Department of Exercise Science and Wellness offers a solid academic foundation for further study in the fields of Exercise Science, Kinesiology and/or Physical Education. The primary emphasis of the Exercise Science and Wellness major program is to prepare students for successful transfer to baccalaureate (four-year) institutions as well as for entry-level jobs within the fitness industry. The course package for majors is modeled on the preparation for major at the California State University Institutions and allows for an emphasis either in Fitness, Nutrition and Health. The package may also satisfy many requirements for most other California State University institutions as well, but students should check the catalog of the school being considered for its specific requirements.

Program-level Student Learning Outcomes (PSLOs) below are outcomes that students will achieve after completing specific degree / certificate requirements in this program. Students will:

1. Demonstrate knowledge, skills and appreciation of Exercise Science principles.
2. Identify the basic principles for maintaining an active and healthy lifestyle.

Associate Degree in Kinesiology for Transfer Major Requirements

Note: All courses in the major must be completed with a letter grade of "C" or higher.

Code	Title	Units
Required Core		
ES-250	Introduction to Kinesiology	3
BIO-140	Human Anatomy	4
BIO-141	Human Physiology	3
BIO-141L	Laboratory in Human Physiology	1
Select a maximum of one (1) course from any three (3) of the following areas for a minimum of three (3) units:		3-4.5

Area 1: Aquatics

ES-043A	Beginning Swimming
or ES-043B	Intermediate Swimming
or ES-043C	Advanced Swimming
ES-044A	Beginning Lap Swimming for Health and Fitness
or ES-044B	Intermediate Lap Swimming for Health and Fitness
or ES-044C	Advanced Lap Swimming for Health and Fitness

Area 2: Combatives

ES-185A	Beginning Fencing
or ES-185B	Intermediate Fencing
or ES-185C	Advanced Fencing

Area 3: Dance

DANC-082A	Social and Ballroom Dance I
or DANC-082B	Social and Ballroom Dance II

Area 4: Fitness

ES-005A	Beginning Cardio Fitness and Resistance Training
or ES-005B	Intermediate Cardio Fitness and Resistance Training

ES-006A	Beginning Fitness Circuit
or ES-006B	Intermediate Fitness Circuit

ES-009A	Beginning Aerobic Dance Exercise
or ES-009B	Intermediate Aerobic Dance Exercise

ES-023A	Beginning Resistance Training
or ES-023B	Intermediate Resistance Training

Area 5: Individual Sports

ES-060A	Beginning Badminton
or ES-060B	Intermediate Badminton
or ES-060C	Advanced Badminton

ES-076A	Beginning Tennis
or ES-076B	Intermediate Tennis
or ES-076C	Advanced Tennis

ES-125A	Beginning Golf
or ES-125B	Intermediate Golf
or ES-125C	Advanced Golf

ES-130A	Beginning Gymnastics
or ES-130B	Intermediate Gymnastics
or ES-130C	Advanced Gymnastics

Area 6: Team Sports

ES-155A	Beginning Basketball
or ES-155B	Intermediate Basketball
or ES-155C	Advanced Basketball

ES-170A	Beginning Soccer
or ES-170B	Intermediate Soccer
or ES-170C	Advanced Soccer

ES-171A	Beginning Softball
or ES-171B	Intermediate Softball
or ES-171C	Advanced Softball

ES-172A	Beginning Baseball
or ES-172B	Intermediate Baseball
or ES-172C	Advanced Baseball

ES-175A	Beginning Volleyball
or ES-175B	Intermediate Volleyball
or ES-175C	Advanced Volleyball

List A

Select two of the following:

7-9

MATH-160	Elementary Statistics
or ANTH-215	Statistics for the Behavioral Sciences
or PSY-215	Statistics for the Behavioral Sciences
or SOC-215	Statistics for the Behavioral Sciences

BIO-118	Introduction to Human Biology
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CHEM-102	Introduction to General, Organic and Biological Chemistry
or CHEM-141	General Chemistry I

Units for the major

21-24.5

Plus General Education Requirements (CSU GE or IGETC) ([https:// catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/](https://catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/))

Total Units

60

Nursing Associate in Science



Refer to Admission: Registered Nursing (NURS) Programs in Admission Information (p. 18) for special admission procedures and criteria.

As defined by the American Nurses Association, professional nursing is the diagnosis and treatment of human responses to actual and high-risk health problems. The Associate Degree Registered Nursing program at Grossmont College prepares men and women for national licensure to practice professional nursing in critical, acute, chronic, ambulatory and home health-care settings. For students without previous nursing education, the nursing courses cover four semesters in addition to the prerequisite courses required to apply. Nursing didactic is coordinated with laboratory experience in local hospitals and health agencies under the supervision of nursing faculty members. In addition to the nursing courses, the major requires selected general education courses from the natural, behavioral and social sciences.

Students are admitted to the Nursing Program based on a multi-criteria selection process which includes the following criteria: GPA of 2.5 or higher in the required sciences and general education courses for the Nursing major, previous degrees or certifications, life experiences, proficiency in a California State chancellor's office approved second language, and the individual composite score of 62 or greater for the Test of Essential Academic Skills exam. Program applications are accepted during specific application periods and is a separate process from an application to Grossmont College. No waitlist is maintained however, for those applicants not selected, the opportunity exists to reapply during future application periods.

For all information on admission criteria, see the Nursing Program website at <https://www.grossmont.edu/academics/programs/nursing/index.php> (<https://www.grossmont.edu/academics/programs/nursing/>).

California Licensed Vocational Nurses are eligible to apply for an LVN-RN Transition Program. Upon successful completion of required nursing courses, students will receive a total of 13 units of credit for Fundamentals of Nursing and Obstetric and Pediatric Nursing. Placement in the program is done on an individual bases. Please refer to the website for more information.

Grossmont College prepares the student for an Associate Degree in Science in Registered Nursing. In addition to the nursing courses, the major requires selected general education courses to be successfully completed for the degree. Upon completion of all degree requirements, the graduate is eligible to apply to take the National Council Licensure Examination for Registered Nurses (NCLEX-RN). The Associate Degree

Nursing Program is an approved School of Nursing by the California Board of Registered Nursing located at 1747 N. Market Blvd., Suite 150 Sacramento, CA 95834. The Associate Degree Nursing Program at Grossmont Community College located in El Cajon, California is accredited by the:

Accreditation Commission for Education in Nursing (ACEN)
3390 Peachtree Road NE, Suite 1400
Atlanta, CA 30326.

The most recent accreditation decision made by the ACEN Board of Commissioners for the associate degree nursing program is Continuing Accreditation.

Graduates of the ADN program are also eligible to transfer into a BSN program upon completion of the program. Appropriate courses are fully accepted on transfer by the University of California, the California State University and by private four-year colleges and universities. View the public information disclosed by ACEN regarding this program at <https://www.acenursing.org/search-programs/entry/2630/>.

Important: Any prior conviction of a misdemeanor or felony may influence eligibility for licensure as a Registered Nurse. A flagged background check or drug screen may also prohibit participation in the Nursing program, eligibility for state licensure and securing employment. Applicants with prior convictions are urged to visit the California Board of Registered Nursing prior to applying to the program at <https://www.rn.ca.gov/>

Application Period

An online application for the nursing major is required and will only be accepted during the application periods specified on the Nursing Program website. The application must be complete and include all required documentation. Incomplete packets will not be considered for admission. No waitlist is maintained for the program. The application must be complete and include all required documentation.

All prospective nursing students must pass the Test of Essential Academic Skills exam (TEAS). This is a pre-entrance test that covers basic Math, Reading, English and Science. All applicants must pass the most recent TEAS version in order to apply to the program; no previous versions will be accepted. Students may prepare for this exam by going to the ATI testing website (<https://www.atitesting.com>). TEAS study guides and online practice exams are available for purchase through the website <https://www.atitesting.com/teas/teas-prep> (<https://www.atitesting.com/teas/teas-prep/>).

Under the multi-selection criteria, points are given for a successful TEAS exam score. All applicants are strongly advised to visit the program website for all TEAS policies, procedures and detailed information on remediation and repeating the exam at <https://www.grossmont.edu/academics/programs/nursing/students/future/apply.php>.

Please review the entire TEAS policy prior to taking the exam.

For all information on admission criteria, see the Nursing website at <https://www.grossmont.edu/academics/programs/nursing/>.

Career Opportunities

<https://www.grossmont.edu/student-support/career-center/resources.php>

Administrator¹

Clinic Nurse (Ambulatory Care)
Critical Care Nurse¹
Emergency Room / Lifelight Nurse¹
Home Health Nurse¹
Hospital Staff Nurse
Industrial Nurse
Medical Researcher¹
Nurse Anesthetist¹
Nurse Midwife¹
Nurse Practitioner¹
Office Nurse
Public Health Nurse¹
Teacher / Educator¹

¹ Additional education is required.

The Program-level Student Learning Outcomes (PSLOs) below are outcomes that students will achieve after completing specific degree / certificate requirements in this program. Students will:

1. Provide caring, patient-centered, safe and holistic care that is culturally sensitive and utilizes critical thinking within the framework of the nursing process and evidence-based principles.
2. Communicate effectively when providing care for multicultural patients and effectively promote patient advocacy for patients and families with integrity.
3. Safely implement the professional nursing role as defined by the California Nursing Practice Act and the American Nurses' Association principles of ethical practice.
4. Engage in life-long learning as part of the professional commitment of the Registered Nurse role.

General Education Requirements for Nursing Majors

All Allied Health and Nursing students adhere to the graduation requirements outlined in the college catalog for the academic year in which they enter the program.

Competency Requirement

1. Competency in reading, writing, expression shown by achieving a "C" grade or higher or in courses listed under Area A, Section 1 – Written Communication.
2. Competency in Mathematics shown by
 - a. Completion of MATH-120 Quantitative Reasoning or a higher numbered math course with a grade of "C" or higher or a grade of "P"; or a statistics course from another discipline with a grade of "C" or higher or a grade of "P"; or placing into a math course numbered MATH-170 Analytic Trigonometry or above.

Area A - Language and Rationality

Three courses (a minimum of nine units) are required in written communication, oral communication, and analytical thinking. At least **one** course must be taken from **each** of the following three sections:

1. Written Communication

Must be completed with a "C" grade or higher to satisfy the competency requirement.

Code	Title	Units
ENGL-120	College Composition and Reading ¹	3
ENGL-124	Advanced Composition: Critical Reasoning and Writing ¹	3
ESL-122	College Rhetoric ¹	6

¹ Course is required in the Nursing major.

2. Oral Communication

Code	Title	Units
COMM-120	Interpersonal Communication ¹	3
COMM-122	Public Speaking ¹	3

¹ Course is required in the Nursing major.

3. Analytical Thinking

Must be completed with a "C" grade or higher or "Pass" to satisfy the competency requirement.

Code	Title	Units
ANTH-215	Statistics for the Behavioral Sciences	4
BIO-215	Statistics for Life Sciences	3
ECON-215	Statistics for Business and Economics	4
MATH-103	Intermediate Algebra	3
MATH-108	Beginning & Intermediate Algebra for Business, Math, Science, and Engineering Majors	6
MATH-110	Intermediate Algebra for Business, Math, Science and Engineering Majors	5
MATH-120	Quantitative Reasoning	3
MATH-125	Structure and Concepts of Elementary Mathematics I	3
MATH-126	Structure and Concepts of Elementary Mathematics II	3
MATH-150	Introduction to Computer Programming Applications in Mathematics	3
MATH-160	Elementary Statistics ¹	4
MATH-170	Analytic Trigonometry	3
MATH-175	College Algebra	4
MATH-176	Precalculus: Functions and Graphs	6
MATH-178	Calculus for Business, Social and Behavioral Sciences	4
MATH-180	Analytic Geometry and Calculus I	5
MATH-245	Discrete Mathematics	3
MATH-280	Analytic Geometry and Calculus II	4
MATH-281	Multivariable Calculus	4
MATH-284	Linear Algebra	3
MATH-285	Differential Equations	3
PSY-215	Statistics for the Behavioral Sciences	4
SOC-215	Statistics for the Behavioral Sciences	4

¹ Course is recommended for BSN/MSN transfer.

Area B - Natural Sciences

Two natural science courses (a minimum of seven units) are required. **All required science courses for the Nursing Major must include a lab.**

Code	Title	Units
ANTH-130	Introduction to Biological Anthropology ¹	3
ANTH-131	Biological Anthropology Laboratory ²	1
ASTR-110	Descriptive Astronomy ¹	3
ASTR-112	General Astronomy Laboratory ²	1
ASTR-120	Exploration of the Solar System	3
One of the following sequences:		8-9
Sequence A.		
BIO-140	Human Anatomy ³	
BIO-141	Human Physiology ^{1,3}	
BIO-141L	Laboratory in Human Physiology ^{2,3}	
Sequence B.		
BIO-144	Anatomy and Physiology I ³	
BIO-145	Anatomy and Physiology II ³	
BIO-152	Paramedical Microbiology ³	5
BIO-105	Marine Biology	4
BIO-110	Environmental Biology	4
BIO-112	Contemporary Issues in Environmental Resources ¹	3
BIO-114	Heredity, Evolution and Society ¹	3
BIO-118	Introduction to Human Biology ¹	3
BIO-120	Principles of Biology	4
BIO-230	Principles of Cellular, Molecular and Evolutionary Biology	4
BIO-240	Principles of Ecology, Evolution and Organismal Biology	5
CHEM-102	Introduction to General, Organic and Biological Chemistry ⁴	5
CHEM-110	Environmental Chemistry ¹	3
CHEM-113	Forensic Chemistry	4
CHEM-115	Fundamentals of Chemistry	4
CHEM-116	Introductory Organic and Biochemistry ⁴	4
CHEM-117	Introductory Biochemistry	3
CHEM-120	Preparation for General Chemistry	4
CHEM-141	General Chemistry I	5
CHEM-142	General Chemistry II	5
CHEM-231	Organic Chemistry I	5
CHEM-232	Organic Chemistry II	5
CHEM-241	Organic Chemistry I Lecture ¹	3
CHEM-241L	Organic Chemistry I Laboratory ²	2
CHEM-242	Organic Chemistry II Lecture ¹	3
CHEM-242L	Organic Chemistry II Laboratory ²	2
GEOG-120	Physical Geography: Earth Systems ¹	3
GEOG-121	Physical Geography: Earth Systems Laboratory ²	1
GEOG-140	Meteorology: Weather and Climate ¹	3
GEOL-104	Earth Science ¹	3
GEOL-110	Planet Earth ¹	3
GEOL-111	Planet Earth Laboratory ²	1

GEOL-121	Earth History	4	ART-141	Survey of Western Art II: Renaissance Through Modern	3
GEOL-210	Geology of California ¹	3	ART-142	Art of Africa, Oceania and the Americas	3
GEOL-220	Geology of the National Parks ¹	3	ART-143	Modern Art	3
GEOL-230	Natural Disasters ¹	3	ART-145	Contemporary Art	3
OCEA-112	Introduction to Oceanography ¹	3	ART-146	Asian Art	3
OCEA-113	Oceanography Laboratory ²	1	ART-147	American Art	3
PSC-100	Physical Science for Elementary Education ¹	3	ART-171	Introduction to Digital Art	3
PSC-110	Introduction to the Physical Sciences ¹	3	CHIN-120	Chinese I	5
PSC-111	Introduction to Physical Sciences Laboratory ²	1	CHIN-121	Chinese II	5
PHYC-110	Introductory Physics	4	CHIN-220	Chinese III	5
PHYC-130	Fundamentals of Physics	4	CHIN-221	Chinese IV	5
PHYC-131	Fundamentals of Physics	4	CHIN-250	Conversational Chinese I	3
PHYC-140	Mechanics of Solids	4	CHIN-251	Conversational Chinese II	3
PHYC-201	Mechanics and Waves	5	COMM-135	Oral Interpretation of Literature	3
PHYC-202	Electricity, Magnetism, and Heat	5	COMM-137	Critical Thinking in Group Communication	3
PHYC-203	Light, Optics, and Modern Physics	5	COMM-144	Communication Studies: Race and Ethnicity	3
PHYC-240	Electricity, Magnetism, and Heat	4	COMM-145	Argumentation	3
PHYC-241	Light, Optics, and Modern Physics	4	DANC-110	Dance History	3
SCI-110	Introduction to Scientific Thought ¹	3	DANC-120	Dance Appreciation	3

¹ Course does not contain a laboratory component.

² Course is laboratory only.

³ Course is required in the Nursing major.

⁴ Course is recommended for BSN/MSN transfer.

Area C - Humanities

One humanities course (a minimum of three units) is required.

Code	Title	Units			
ASL-120	American Sign Language I	4	ENGL-122	Introduction to Literature	3
ASL-121	American Sign Language II	4	ENGL-126	Introduction to Creative Writing	3
ASL-140	Inside Deaf Culture	3	ENGL-134	Creative Nonfiction Writing I	3
ASL-220	American Sign Language III	4	ENGL-135	Creative Nonfiction Writing II	3
ASL-221	American Sign Language IV	4	ENGL-136	Creative Nonfiction Writing III	3
ARBC-120	Arabic I	5	ENGL-137	Creative Nonfiction Writing IV	3
ARBC-121	Arabic II	5	ENGL-201	Women, Gender, and Sexuality in Literature	3
ARBC-122	Arabic for the Arabic Speaker I	5	ENGL-203	Children's Literature	3
ARBC-123	Arabic for the Arabic Speaker II	5	ENGL-215	Mythology	3
ARBC-148	Language, Culture, and Literature of the Arab World	3	ENGL-217	Fantasy and Science Fiction	3
ARBC-220	Arabic III	5	ENGL-218	Shakespeare - His Plays and the Theatre of His Time	3
ARBC-221	Arabic IV	5	ENGL-219	Views of Death and Dying in Literature	3
ARBC-250	Conversational Arabic I	3	ENGL-221	British Literature I	3
ARBC-251	Conversational Arabic II	3	ENGL-222	British Literature II	3
ART-100	Art Appreciation	3	ENGL-231	American Literature I	3
ART-120	Two-Dimensional Design	3	ENGL-232	American Literature II	3
ART-124	Drawing I	3	ENGL-236	Chicana/o Literature	3
ART-126	Ceramics I	3	ENGL-237	American Indian Literature	3
ART-129	Three-Dimensional Design	3	ENGL-238	Black Literature	3
ART-140	Survey of Western Art I: Prehistory Through Middle Ages	3	ENGL-277	Literary Theme	3
			ESL-115	Exploring U.S. Cultures	6
			ETHN-126	Chicano/Chicana and Mexican Art	3
			ETHN-127	La Chicana	3
			ETHN-134	Introduction to American Indian Art	3
			ETHN-143	Images of Black Women	3
			ETHN-144	Communication Studies: Race and Ethnicity	3
			ETHN-236	Chicana/o Literature	3
			ETHN-237	American Indian Literature	3
			ETHN-238	Black Literature	3
			FREN-120	French I	5

FREN-121	French II	5	MUS-123	History of Hip Hop Culture	3
FREN-152	The French-Speaking World: A Cross-Cultural Perspective	3	MUS-189	Multimedia and the Creative Arts	3
FREN-220	French III	5	PHIL-110	A General Introduction to Philosophy	3
FREN-221	French IV	5	PHIL-111	Philosophy and Popular Culture	3
FREN-250	Conversational French I	3	PHIL-115	History of Philosophy I: Ancient and Medieval	3
FREN-251	Conversational French II	3	PHIL-117	History of Philosophy II: Modern and Contemporary	3
GERM-120	German I	5	PHIL-140	Problems in Ethics	3
GERM-121	German II	5	PHIL-141	Bioethics	3
GERM-220	German III	5	PHIL-145	Social and Political Philosophy	3
GERM-221	German IV	5	PHIL-150	The Philosophy of Art	3
GERM-250	Conversational German I	3	PHIL-155	The Philosophy of Science	3
GERM-251	Conversational German II	3	PHIL-160	Latin American Philosophy	3
HIST-100	Early World History	3	PHOT-150	Introduction to Photography	3
HIST-101	Modern World History	3	PHOT-154	History of Photography	3
HIST-103	Twentieth Century World History	3	RELG-120	World Religions	3
HIST-105	Early Western Civilization	3	RELG-130	Scriptures of World Religions	3
HIST-106	Modern Western Civilization	3	RELG-140	Religion and Culture	3
HIST-113	American Military History	3	RELG-150	Scriptures of India and China	3
HIST-126	History of Mexico	3	RELG-170	Introduction to Christianity	3
HIST-135	Ancient History of Western Civilization	3	RUSS-120	Russian I	5
HIST-136	Survey of Medieval History	3	RUSS-121	Russian II	5
HIST-137	History of East Asia	3	RUSS-220	Russian III	5
HIST-148	Modern Middle East History	3	RUSS-221	Russian IV	5
HUM-110	Principles of the Humanities	3	RUSS-250	Conversational Russian I	3
HUM-120	European Humanities	3	RUSS-251	Conversational Russian II	3
HUM-125	Women and Western Culture	3	SPAN-120	Spanish I	5
HUM-130	East Asian Humanities	3	SPAN-121	Spanish II	5
HUM-135	Blues as Literature, History, and Culture	3	SPAN-122	Spanish for the Native Speaker I	5
HUM-140	Humanities of the Americas	3	SPAN-123	Spanish for the Native Speaker II	5
HUM-160	Humanities of the Future	3	SPAN-141	Spanish and Latin American Cultures	3
HUM-170	Modern World Humanities	3	SPAN-145	Hispanic Civilizations	3
ITAL-120	Italian I	5	SPAN-220	Spanish III	5
ITAL-121	Italian II	5	SPAN-221	Spanish IV	5
ITAL-220	Italian III	5	SPAN-250	Conversational Spanish I	3
ITAL-221	Italian IV	5	SPAN-251	Conversational Spanish II	3
ITAL-250	Conversational Italian I	3	THTR-101	Introduction to Narrative Theory	3
ITAL-251	Conversational Italian II	3	THTR-110	Introduction to the Theatre	3
JAPN-120	Japanese I	5	THTR-130	Acting I	3
JAPN-121	Japanese II	5	THTR-143	Historic Costume for the Theatre	3
JAPN-149	Japanese Culture and Civilization	3	THTR-144	20th Century Fashion and Costume	3
JAPN-220	Japanese III	5	THTR-205	The American Musical on Stage and Screen	3
JAPN-221	Japanese IV	5			
JAPN-250	Conversational Japanese I	3			
JAPN-251	Conversational Japanese II	3			
MCOM-111	Introduction to Film Analysis	3			
MUS-110	Great Music Listening	3			
MUS-111	The History of Jazz	3			
MUS-115	The History of Rock Music	3			
MUS-116	Introduction to World Music	3			
MUS-117	Introduction to Music History and Literature	3			

Area D - Social Sciences					
One social science course (a minimum of three units) is required.					
Code	Title				Units
AOJ-110	Introduction to Administration of Justice				3
ANTH-120	Cultural Anthropology				3
ANTH-122	Anthropology of Magic, Witchcraft, and Religion				3
ANTH-127	Cultures of Latin America				3

ANTH-140	Introduction to Archaeology	3	HED-120	Personal Health and Lifestyles	3
CD-115	Changing American Family	3	HED-201	Introduction to Public Health	3
CD-125	Child Growth and Development ¹	3	HIST-107	History of Race & Ethnicity in the United States	3
CD-131	Child, Family and Community	3	HIST-108	Early American History	3
CD-134	Health, Safety and Nutrition of Young Children	3	HIST-109	Modern American History	3
CD-145	Child Abuse and Family Violence in Our Society	3	HIST-114	Comparative History of the Early Americas	3
CD-153	Teaching in a Diverse Society	3	HIST-115	Comparative History of the Modern Americas	3
COMM-124	Intercultural Communication	3	HIST-118	U.S. History: Chicano/Chicana Perspectives I	3
COMM-126	Communication Studies: Health and Wellness	3	HIST-119	U.S. History: Chicano/Chicana Perspectives II	3
COMM-128	Global Communication	3	HIST-122	Women in Early American History	3
ECON-110	Economic Issues and Policies	3	HIST-123	Women in Modern American History	3
ECON-120	Principles of Macroeconomics	3	HIST-124	History of California	3
ECON-121	Principles of Microeconomics	3	HIST-130	U.S. History and Cultures: Native American Perspectives I	3
ETHN-107	History of Race & Ethnicity in the United States	3	HIST-131	U.S. History and Cultures: Native American Perspectives II	3
ETHN-114	Introduction to Race & Ethnicity	3	HIST-154	Early History of Women in World Civilization	3
ETHN-115	Introduction to Cultural Competence	3	HIST-155	Modern History of Women in World Civilization	3
ETHN-118	U.S. History: Chicano/Chicana Perspectives I	3	HIST-160	U.S. History: Asian American and Pacific Island American Perspectives I	3
ETHN-119	U.S. History: Chicano/Chicana Perspective II	3	HIST-161	U.S. History: Asian American and Pacific Island American Perspectives II	3
ETHN-125	Cross-Cultural Psychology	3	HIST-180	U.S. History: Black Perspectives I	3
ETHN-128	Introduction to Chicana/o Studies	3	HIST-181	U.S. History: Black Perspectives II	3
ETHN-130	U.S. History and Cultures: Native American Perspectives I	3	MCOM-110	Mass Media and Society	3
ETHN-131	U.S. History and Cultures: Native American Perspectives II	3	MCOM-210	Social Media in the Digital Age	3
ETHN-135	San Diego County American Indian Tribes	3	MCOM-250	Introduction to Representation in the Media	3
ETHN-137	American Indian Culture and Heritage	3	NUTR-155	Introduction to Nutrition	3
ETHN-138	The History and Cultures of California Indians	3	NUTR-158	Nutrition for Fitness and Sports	3
ETHN-145	Introduction to Black Studies	3	NUTR-159	Cultural Aspects of Food and Nutrition	3
ETHN-160	U.S. History: Asian American and Pacific Island American Perspectives I	3	POSC-120	Introduction to Politics and Political Analysis	3
ETHN-161	U.S. History: Asian American and Pacific Island American Perspectives II	3	POSC-121	Introduction to U.S. Government and Politics	3
ETHN-180	U.S. History: Black Perspectives I	3	POSC-124	Introduction to Comparative Government and Politics	3
ETHN-181	U.S. History: Black Perspectives II	3	POSC-130	Introduction to International Relations	3
FS-115	Changing American Family	3	POSC-140	Introduction to California Governments and Politics	3
FS-120	Human Development	3	POSC-150	Introduction to Political Theory	3
GEOG-100	Introduction to Global Studies	3	POSC-160	Politics in Film	3
GEOG-101	Global Issues	3	PSY-120	Introductory Psychology ²	3
GEOG-106	World Regional Geography	3	PSY-125	Cross-Cultural Psychology	3
GEOG-130	Human Geography: The Cultural Landscape	3	PSY-132	Psychology of Health	3
GEOG-170	The Geography of California	3	PSY-134	Human Sexuality	3
GEND-116	Introduction to Women's Studies	3	PSY-138	Social Psychology	3
GEND-117	Introduction to LGBTQ Studies	3	PSY-140	Physiological Psychology	3
GEND-154	Early History of Women in World Civilization	3	PSY-170	Abnormal Psychology	3
GEND-155	Modern History of Women in World Civilization	3			

PSY-220	Learning	3
RELG-165	Religion in America	3
SOC-114	Introduction to Race & Ethnicity ²	3
SOC-120	Introductory Sociology ²	3
SOC-125	Marriage, Family, and Alternate Lifestyles	3
SOC-130	Contemporary Social Problems	3
SOC-138	Social Psychology	3
SOC-140	Sex and Gender Across Cultures	3
SOC-150	Latinx Communities in the United States	3

¹ Course is recommended for BSN/MSN transfer.

² Course is required in the Nursing major.

Major Requirements for All Nursing Majors

Registered Nursing Program Associate Degree Major Requirements

Code	Title	Units
Choose one of the following sequences:		8
Sequence A.		
BIO-140	Human Anatomy	
BIO-141	Human Physiology	
BIO-141L	Laboratory in Human Physiology	
Sequence B.		
BIO-144	Anatomy and Physiology I	
BIO-145	Anatomy and Physiology II	
BIO-152	Paramedical Microbiology	5
COMM-120	Interpersonal Communication	3
or COMM-122	Public Speaking	
Select one of the following:		3-6
ENGL-120	College Composition and Reading	
ENGL-124	Advanced Composition: Critical Reasoning and Writing	
ESL-122	College Rhetoric	
NURS-118	Nursing Pharmacology	2
NURS-120	Fundamentals of Nursing	8
NURS-130	Medical-Surgical Nursing I	5
NURS-132	Obstetric and Pediatric Nursing	5
NURS-220	Medical-Surgical Nursing II	5.5
NURS-222	Psychiatric and Community Health Nursing	5.5
NURS-230	Medical-Surgical Nursing III	8
PSY-120	Introductory Psychology	3
SOC-114	Introduction to Race & Ethnicity	3
or SOC-120	Introductory Sociology	
Units in the major		64-67
Plus Remaining General Education Requirements for Nursing Majors		6
Total Units		70-73

Maximum totals include the 4 unit Anatomy course and the 6 unit ESL-122 College Rhetoric course.

Nutrition Associate in Science and Certificate of Achievement



The goal of the Associate of Science in Nutrition is to prepare students to successfully enter the academic pathway for becoming a Registered Dietitian Nutritionist. This degree is specifically designed to meet the requirements for transfer to local colleges with four-year didactic programs in dietetics (DPD) that prepare students to become Registered Dietitian Nutritionists. *

* Note that beginning in 2024, a minimum of a graduate degree will be required to sit for the registration exam to become a Registered Dietitian Nutritionist.

The Program-level Student Learning Outcomes (PSLOs) below are outcomes that students will achieve after completing specific degree/certificate requirements in this program. Students will:

1. Analyze dietary patterns for nutritional adequacy, including nutrient deficits, excesses, and risk factors for the development of chronic disease
2. Explore the academic and career pathways within the nutrition and dietetics profession
3. Demonstrate understanding of culturally inclusive care in the nutrition and dietetics profession

Associate Degree Major Requirements

Code	Title	Units
BIO-152	Paramedical Microbiology	5
BIO-140	Human Anatomy	4
CHEM-115	Fundamentals of Chemistry	4
CHEM-116	Introductory Organic and Biochemistry	4
CHEM-117	Introductory Biochemistry	3
NUTR-200	Foods and Nutrition: Overview and Opportunities	1
NUTR-255	Science of Nutrition	3
NUTR-159	Cultural Aspects of Food and Nutrition	3
NUTR-205	The Scientific Principles of Food Preparation	4
MATH-160	Elementary Statistics	3-4
or ANTH-215	Statistics for the Behavioral Sciences	
or PSY-215	Statistics for the Behavioral Sciences	
or SOC-215	Statistics for the Behavioral Sciences	
or BIO-215	Statistics for Life Sciences	
PSY-120	Introductory Psychology	3
SOC-120	Introductory Sociology	3
Total Units		40-41

Plus General Education (<https://catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/>) and Elective Requirements

Certificate of Achievement

Any student who chooses to complete only the requirements listed above for the major qualifies for a Certificate of Achievement in Nutrition. An official request must be filed with the Admissions and Records Office prior to the deadline as stated in the Academic Calendar.

Occupational Therapy Assistant Associate in Science



Refer to Admission: Occupational Therapy Assistant (OTA) Program in Admission Information (p. 18) for special admission procedures and criteria.

This career major prepares the student to work as an Occupational Therapy Assistant with people who are limited by physical injury or illness, mental health problems, developmental or learning disabilities, or the aging process. Occupational Therapy Assistants (OTAs) work under the direct supervision of an occupational therapist (OT) providing all levels of patient treatment. The student learns to utilize manual and creative arts, purposeful activities, exercises, adaptive devices, daily living tasks and leisure activities to assist patients to achieve their highest level of function.

Those working in occupational therapy would be expected to assist the OT in assessing patient needs, determining therapeutic goals, planning treatment activities, carrying out treatment procedures, communicating with patients and health care providers, documenting patient progress, and maintaining clinical environments. Assistants are employed in rehabilitation facilities, hospitals, skilled nursing facilities, schools, day treatment centers, outpatient clinics and other community agencies.

Students are admitted to the Occupational Therapy Program based on the date a complete application packet is submitted to include the following: OTA application, completed immunizations and/or tests, official transcripts of all science prerequisites and courses completed in the major if taken outside of GCCCD. Program applications are accepted year round and is a separate process from an application to Grossmont College.

For all information on admission criteria, see the Occupational Therapy Assistant Program website at <https://www.grossmont.edu/academics/programs/health-professions/occupational-therapy-assistant/>.

Grossmont College prepares the student for an Associate Degree in Science as an Occupational Therapy Assistant. In addition to the occupational therapy assistant courses, the major requires selected general education courses to be successfully completed for the degree. Upon completion of all degree requirements, the graduate is eligible to apply to take the national certification exam for Occupational Therapy Assistants administered by the National Board for Certification of Occupational Therapy (NBCOT). All states require licensure to practice as an OTA however, state licenses are usually based on the results of the NBCOT Certification Exam.

The Associate Degree Occupational Therapy Assistant Program is accredited through the Accreditation Council for Occupational Therapy Education (ACOTE) of the American Occupational Therapy Association

(AOTA) located at 6116 Executive Boulevard, suite 200, North Bethesda, MD 20852, 301-652-6611, <https://www.acoteonline.org/>.

Graduates of the OTA program are also eligible to transfer into a higher degree program upon completion of the Associates Degree program. Appropriate courses are fully accepted on transfer by the University of California, the California State University and by private four-year colleges and universities.

Important: Any prior conviction of a misdemeanor or felony may influence eligibility for licensure as an Occupational Therapy Assistant. A flagged background check or drug screen may also prohibit participation in the OTA program, eligibility for state licensure and securing employment. Applicants with prior convictions are urged to contact the Occupational Therapy Board of California at 916-263-2294 and the NBCOT at 301-990-7979.

Career Opportunities

<https://www.grossmont.edu/student-support/career-center/resources.php>

Activities Director
 ADA Assistant
 Administrator¹
 Behavioral Support Assistant
 Special Education Teacher Assistant / Aide
 Camp Counselor
 Certified Occupational Therapist Assistant
 Ergonomics Assistant
 Health Educator
 Healthcare Consultant
 Occupational Therapist¹
 Recreation Leader
 Recreation Program Assistant
 Rehab Director
 Teacher¹
 Vocational Rehabilitation Counselor¹

¹ Additional education is required.

The Program-level Student Learning Outcomes (PSLOs) below are outcomes that students will achieve after completing specific degree / certificate requirements in this program. Students will:

1. Achieve entry level competence and understand the importance of lifelong learning to maintain competence.
2. Promote and support the profession of occupational therapy, emerging practice areas and community service.

General Education Requirements for Occupational Therapy Assistant Majors

All Allied Health and Nursing students adhere to the graduation requirements outlined in the college catalog for the academic year in which they enter the program.

Competency Requirement

1. Competency in reading, writing, expression shown by achieving a "C" grade or higher or "Pass" in courses listed under Area A, Section 1 – Written Communication.
2. Competency in Mathematics shown by

- a. Completion of MATH-120 Quantitative Reasoning or a higher numbered math course with a grade of "C" or higher or a grade of "P"; or a statistics course from another discipline with a grade of "C" or higher or a grade of "P"; or placing into a math course numbered MATH-170 Analytic Trigonometry or above.

Courses in bold print are required in the Occupational Therapy Assistant major. All OTA courses must be completed with a "C" grade or higher, a competent program skills checklist, and "meets standard" on final professional behavior evaluation prior to enrollment in OTA-240 Clinical Practicum IV and OTA-241 Clinical Practicum V. All GE Courses must be completed prior to OTA-240 Clinical Practicum IV and OTA-241 Clinical Practicum V.

Area A - Language and Rationality

Three courses (a minimum of nine units) are required in written communication, oral communication, and analytical thinking. At least one course must be taken from each of the following three sections:

1. Written Communication

Must be completed with a "C" grade or higher or "Pass" to satisfy the competency requirement.

Code	Title	Units
ENGL-120	College Composition and Reading	3
ENGL-124	Advanced Composition: Critical Reasoning and Writing	3
ESL-122	College Rhetoric	6

2. Oral Communication

Code	Title	Units
COMM-120	Interpersonal Communication	3
COMM-122	Public Speaking	3
COMM-130	Fundamentals of Human Communication	3

3. Analytical Thinking

Must be completed with a "C" grade or higher or "Pass" to satisfy the competency requirement.

Code	Title	Units
ANTH-215	Statistics for the Behavioral Sciences	4
BIO-215	Statistics for Life Sciences	3
ECON-215	Statistics for Business and Economics	4
GEOG-104	Introduction to Geographic Information Science	3
MATH-103	Intermediate Algebra	3
MATH-108	Beginning & Intermediate Algebra for Business, Math, Science, and Engineering Majors	6
MATH-110	Intermediate Algebra for Business, Math, Science and Engineering Majors	5
MATH-120	Quantitative Reasoning	3
MATH-125	Structure and Concepts of Elementary Mathematics I	3
MATH-126	Structure and Concepts of Elementary Mathematics II	3
MATH-150	Introduction to Computer Programming Applications in Mathematics	3
MATH-160	Elementary Statistics	4

MATH-170	Analytic Trigonometry	3
MATH-175	College Algebra	4
MATH-176	Precalculus: Functions and Graphs	6
MATH-178	Calculus for Business, Social and Behavioral Sciences	4
MATH-180	Analytic Geometry and Calculus I	5
MATH-245	Discrete Mathematics	3
MATH-280	Analytic Geometry and Calculus II	4
MATH-281	Multivariable Calculus	4
MATH-284	Linear Algebra	3
MATH-285	Differential Equations	3
PHIL-125	Critical Thinking	3
PHIL-130	Logic	3
PSC-120	Fundamentals of Scientific Computing (MATLAB)	4
PSY-215	Statistics for the Behavioral Sciences	4
SOC-215	Statistics for the Behavioral Sciences	4

Area B - Natural Sciences

Two natural science courses (a minimum of seven units) are required. One course must contain a laboratory.

Code	Title	Units
ANTH-130	Introduction to Biological Anthropology ¹	3
ANTH-131	Biological Anthropology Laboratory ²	1
ASTR-110	Descriptive Astronomy ¹	3
ASTR-112	General Astronomy Laboratory ²	1
ASTR-120	Exploration of the Solar System	3

Select one of the following sequences:

Sequence A.

BIO-140	Human Anatomy	
BIO-141	Human Physiology ¹	

Sequence B.

BIO-144	Anatomy and Physiology I	
BIO-145	Anatomy and Physiology II	
BIO-152	Paramedical Microbiology	5
BIO-105	Marine Biology	4
BIO-110	Environmental Biology	4
BIO-112	Contemporary Issues in Environmental Resources ¹	3
BIO-114	Heredity, Evolution and Society ¹	3
BIO-118	Introduction to Human Biology ¹	3
BIO-120	Principles of Biology	4
BIO-141L	Laboratory in Human Physiology ²	1
BIO-230	Principles of Cellular, Molecular and Evolutionary Biology	4
BIO-240	Principles of Ecology, Evolution and Organismal Biology	5
CHEM-102	Introduction to General, Organic and Biological Chemistry	5
CHEM-110	Environmental Chemistry ¹	3
CHEM-113	Forensic Chemistry	4
CHEM-115	Fundamentals of Chemistry	4
CHEM-116	Introductory Organic and Biochemistry	4

CHEM-117	Introductory Biochemistry	3	ARBC-122	Arabic for the Arabic Speaker I	5
CHEM-120	Preparation for General Chemistry	4	ARBC-123	Arabic for the Arabic Speaker II	5
CHEM-141	General Chemistry I	5	ARBC-148	Language, Culture, and Literature of the Arab World	3
CHEM-142	General Chemistry II	5	ARBC-220	Arabic III	5
CHEM-231	Organic Chemistry I	5	ARBC-221	Arabic IV	5
CHEM-232	Organic Chemistry II	5	ARBC-250	Conversational Arabic I	3
CHEM-241	Organic Chemistry I Lecture ¹	3	ARBC-251	Conversational Arabic II	3
CHEM-241L	Organic Chemistry I Laboratory ²	2	ART-100	Art Appreciation	3
CHEM-242	Organic Chemistry II Lecture ¹	3	ART-120	Two-Dimensional Design	3
CHEM-242L	Organic Chemistry II Laboratory ²	2	ART-124	Drawing I	3
GEOG-120	Physical Geography: Earth Systems ¹	3	ART-126	Ceramics I	3
GEOG-121	Physical Geography: Earth Systems Laboratory ²	1	ART-129	Three-Dimensional Design	3
GEOG-140	Meteorology: Weather and Climate ¹	3	ART-140	Survey of Western Art I: Prehistory Through Middle Ages	3
GEOL-104	Earth Science ¹	3	ART-141	Survey of Western Art II: Renaissance Through Modern	3
GEOL-110	Planet Earth ¹	3	ART-142	Art of Africa, Oceania and the Americas	3
GEOL-111	Planet Earth Laboratory ²	1	ART-143	Modern Art	3
GEOL-121	Earth History	4	ART-145	Contemporary Art	3
GEOL-210	Geology of California ¹	3	ART-146	Asian Art	3
GEOL-220	Geology of the National Parks ¹	3	ART-147	American Art	3
GEOL-230	Natural Disasters ¹	3	ART-171	Introduction to Digital Art	3
OCEA-112	Introduction to Oceanography ¹	3	CHIN-120	Chinese I	5
OCEA-113	Oceanography Laboratory ²	1	CHIN-121	Chinese II	5
PSC-100	Physical Science for Elementary Education ¹	3	CHIN-220	Chinese III	5
PSC-110	Introduction to the Physical Sciences ¹	3	CHIN-221	Chinese IV	5
PSC-111	Introduction to Physical Sciences Laboratory ²	1	CHIN-250	Conversational Chinese I	3
PHYC-110	Introductory Physics	4	CHIN-251	Conversational Chinese II	3
PHYC-130	Fundamentals of Physics	4	COMM-135	Oral Interpretation of Literature	3
PHYC-131	Fundamentals of Physics	4	COMM-137	Critical Thinking in Group Communication	3
PHYC-140	Mechanics of Solids	4	COMM-144	Communication Studies: Race and Ethnicity	3
PHYC-201	Mechanics and Waves	5	COMM-145	Argumentation	3
PHYC-202	Electricity, Magnetism, and Heat	5	DANC-110	Dance History	3
PHYC-203	Light, Optics, and Modern Physics	5	DANC-120	Dance Appreciation	3
PHYC-240	Electricity, Magnetism, and Heat	4	ENGL-122	Introduction to Literature	3
PHYC-241	Light, Optics, and Modern Physics	4	ENGL-126	Introduction to Creative Writing	3
SCI-110	Introduction to Scientific Thought ¹	3	ENGL-134	Creative Nonfiction Writing I	3
			ENGL-135	Creative Nonfiction Writing II	3
			ENGL-136	Creative Nonfiction Writing III	3
			ENGL-137	Creative Nonfiction Writing IV	3
			ENGL-201	Women, Gender, and Sexuality in Literature	3
			ENGL-203	Children's Literature	3
			ENGL-215	Mythology	3
			ENGL-217	Fantasy and Science Fiction	3
			ENGL-218	Shakespeare - His Plays and the Theatre of His Time	3
			ENGL-219	Views of Death and Dying in Literature	3
			ENGL-221	British Literature I	3
			ENGL-222	British Literature II	3
			ENGL-231	American Literature I	3
			ENGL-232	American Literature II	3

¹ Course does not contain a laboratory component.

² Course is laboratory only.

Area C - Humanities

One humanities course (a minimum of three units) is required.

Code	Title	Units
ASL-120	American Sign Language I	4
ASL-121	American Sign Language II	4
ASL-140	Inside Deaf Culture	3
ASL-220	American Sign Language III	4
ASL-221	American Sign Language IV	4
ARBC-120	Arabic I	5
ARBC-121	Arabic II	5

ENGL-236	Chicana/o Literature	3	ITAL-251	Conversational Italian II	3
ENGL-237	American Indian Literature	3	JAPN-120	Japanese I	5
ENGL-238	Black Literature	3	JAPN-121	Japanese II	5
ENGL-277	Literary Theme	3	JAPN-149	Japanese Culture and Civilization	3
ESL-115	Exploring U.S. Cultures	6	JAPN-220	Japanese III	5
ETHN-126	Chicano/Chicana and Mexican Art	3	JAPN-221	Japanese IV	5
ETHN-127	La Chicana	3	JAPN-250	Conversational Japanese I	3
ETHN-134	Introduction to American Indian Art	3	JAPN-251	Conversational Japanese II	3
ETHN-143	Images of Black Women	3	MCOM-111	Introduction to Film Analysis	3
ETHN-144	Communication Studies: Race and Ethnicity	3	MUS-110	Great Music Listening	3
ETHN-236	Chicana/o Literature	3	MUS-111	The History of Jazz	3
ETHN-237	American Indian Literature	3	MUS-115	The History of Rock Music	3
ETHN-238	Black Literature	3	MUS-116	Introduction to World Music	3
FREN-120	French I	5	MUS-117	Introduction to Music History and Literature	3
FREN-121	French II	5	MUS-123	History of Hip Hop Culture	3
FREN-152	The French-Speaking World: A Cross-Cultural Perspective	3	MUS-189	Multimedia and the Creative Arts	3
FREN-220	French III	5	PHIL-110	A General Introduction to Philosophy	3
FREN-221	French IV	5	PHIL-111	Philosophy and Popular Culture	3
FREN-250	Conversational French I	3	PHIL-115	History of Philosophy I: Ancient and Medieval	3
FREN-251	Conversational French II	3	PHIL-117	History of Philosophy II: Modern and Contemporary	3
GERM-120	German I	5	PHIL-140	Problems in Ethics	3
GERM-121	German II	5	PHIL-141	Bioethics	3
GERM-220	German III	5	PHIL-145	Social and Political Philosophy	3
GERM-221	German IV	5	PHIL-150	The Philosophy of Art	3
GERM-250	Conversational German I	3	PHIL-155	The Philosophy of Science	3
GERM-251	Conversational German II	3	PHIL-160	Latin American Philosophy	3
HIST-100	Early World History	3	PHOT-150	Introduction to Photography	3
HIST-101	Modern World History	3	PHOT-154	History of Photography	3
HIST-103	Twentieth Century World History	3	RELG-120	World Religions	3
HIST-105	Early Western Civilization	3	RELG-130	Scriptures of World Religions	3
HIST-106	Modern Western Civilization	3	RELG-140	Religion and Culture	3
HIST-113	American Military History	3	RELG-150	Scriptures of India and China	3
HIST-126	History of Mexico	3	RELG-170	Introduction to Christianity	3
HIST-135	Ancient History of Western Civilization	3	RUSS-120	Russian I	5
HIST-136	Survey of Medieval History	3	RUSS-121	Russian II	5
HIST-137	History of East Asia	3	RUSS-220	Russian III	5
HIST-148	Modern Middle East History	3	RUSS-221	Russian IV	5
HUM-110	Principles of the Humanities	3	RUSS-250	Conversational Russian I	3
HUM-120	European Humanities	3	RUSS-251	Conversational Russian II	3
HUM-125	Women and Western Culture	3	SPAN-120	Spanish I	5
HUM-130	East Asian Humanities	3	SPAN-121	Spanish II	5
HUM-135	Blues as Literature, History, and Culture	3	SPAN-122	Spanish for the Native Speaker I	5
HUM-140	Humanities of the Americas	3	SPAN-123	Spanish for the Native Speaker II	5
HUM-160	Humanities of the Future	3	SPAN-141	Spanish and Latin American Cultures	3
HUM-170	Modern World Humanities	3	SPAN-145	Hispanic Civilizations	3
ITAL-120	Italian I	5	SPAN-220	Spanish III	5
ITAL-121	Italian II	5	SPAN-221	Spanish IV	5
ITAL-220	Italian III	5	SPAN-250	Conversational Spanish I	3
ITAL-221	Italian IV	5	SPAN-251	Conversational Spanish II	3
ITAL-250	Conversational Italian I	3	THTR-101	Introduction to Narrative Theory	3

THTR-110	Introduction to the Theatre	3
THTR-130	Acting I	3
THTR-143	Historic Costume for the Theatre	3
THTR-144	20th Century Fashion and Costume	3
THTR-205	The American Musical on Stage and Screen	3

Area D - Social Sciences

One social science course (a minimum of three units) is required.

Code	Title	Units
AOJ-110	Introduction to Administration of Justice	3
ANTH-120	Cultural Anthropology	3
ANTH-122	Anthropology of Magic, Witchcraft, and Religion	3
ANTH-127	Cultures of Latin America	3
ANTH-140	Introduction to Archaeology	3
CD-115	Changing American Family	3
CD-125	Child Growth and Development	3
CD-131	Child, Family and Community	3
CD-134	Health, Safety and Nutrition of Young Children	3
CD-145	Child Abuse and Family Violence in Our Society	3
CD-153	Teaching in a Diverse Society	3
COMM-124	Intercultural Communication	3
COMM-126	Communication Studies: Health and Wellness	3
COMM-128	Global Communication	3
ECON-110	Economic Issues and Policies	3
ECON-120	Principles of Macroeconomics	3
ECON-121	Principles of Microeconomics	3
ETHN-114	Introduction to Race & Ethnicity	3
ETHN-115	Introduction to Cultural Competence	3
ETHN-118	U.S. History: Chicano/Chicana Perspectives I	3
ETHN-119	U.S. History: Chicano/Chicana Perspective II	3
ETHN-125	Cross-Cultural Psychology	3
ETHN-128	Introduction to Chicana/o Studies	3
ETHN-130	U.S. History and Cultures: Native American Perspectives I	3
ETHN-131	U.S. History and Cultures: Native American Perspectives II	3
ETHN-135	San Diego County American Indian Tribes	3
ETHN-137	American Indian Culture and Heritage	3
ETHN-138	The History and Cultures of California Indians	3
ETHN-145	Introduction to Black Studies	3
ETHN-180	U.S. History: Black Perspectives I	3
ETHN-181	U.S. History: Black Perspectives II	3
FS-115	Changing American Family	3
FS-120	Human Development	3
GEOG-100	Introduction to Global Studies	3
GEOG-101	Global Issues	3

GEOG-106	World Regional Geography	3
GEOG-130	Human Geography: The Cultural Landscape	3
GEOG-170	The Geography of California	3
GEND-116	Introduction to Women's Studies	3
GEND-117	Introduction to LGBTQ Studies	3
GEND-154	Early History of Women in World Civilization	3
GEND-155	Modern History of Women in World Civilization	3
HED-120	Personal Health and Lifestyles	3
HED-201	Introduction to Public Health	3
HIST-108	Early American History	3
HIST-109	Modern American History	3
HIST-114	Comparative History of the Early Americas	3
HIST-115	Comparative History of the Modern Americas	3
HIST-118	U.S. History: Chicano/Chicana Perspectives I	3
HIST-119	U.S. History: Chicano/Chicana Perspectives II	3
HIST-122	Women in Early American History	3
HIST-123	Women in Modern American History	3
HIST-124	History of California	3
HIST-130	U.S. History and Cultures: Native American Perspectives I	3
HIST-131	U.S. History and Cultures: Native American Perspectives II	3
HIST-154	Early History of Women in World Civilization	3
HIST-155	Modern History of Women in World Civilization	3
HIST-160	U.S. History: Asian American and Pacific Island American Perspectives I	3
HIST-161	U.S. History: Asian American and Pacific Island American Perspectives II	3
HIST-180	U.S. History: Black Perspectives I	3
HIST-181	U.S. History: Black Perspectives II	3
MCOM-110	Mass Media and Society	3
MCOM-210	Social Media in the Digital Age	3
MCOM-250	Introduction to Representation in the Media	3
NUTR-155	Introduction to Nutrition	3
NUTR-158	Nutrition for Fitness and Sports	3
NUTR-159	Cultural Aspects of Food and Nutrition	3
POSC-120	Introduction to Politics and Political Analysis	3
POSC-121	Introduction to U.S. Government and Politics	3
POSC-124	Introduction to Comparative Government and Politics	3
POSC-130	Introduction to International Relations	3
POSC-140	Introduction to California Governments and Politics	3
POSC-150	Introduction to Political Theory	3
POSC-160	Politics in Film	3

PSY-120	Introductory Psychology	3
PSY-125	Cross-Cultural Psychology	3
PSY-132	Psychology of Health	3
PSY-134	Human Sexuality	3
PSY-138	Social Psychology	3
PSY-140	Physiological Psychology	3
PSY-170	Abnormal Psychology	3
PSY-220	Learning	3
RELG-165	Religion in America	3
SOC-114	Introduction to Race & Ethnicity	3
SOC-120	Introductory Sociology	3
SOC-125	Marriage, Family, and Alternate Lifestyles	3
SOC-130	Contemporary Social Problems	3
SOC-138	Social Psychology	3
SOC-140	Sex and Gender Across Cultures	3
SOC-150	Latinx Communities in the United States	3
DANC-094A	Hip Hop I	1.5
DANC-094B	Hip Hop II	1.5
DANC-094C	Hip Hop III	1.5
DANC-094D	Hip Hop IV	1.5
DANC-099A	Studio Workshop in Pointe I	1
DANC-099B	Studio Workshop in Pointe II	1
DANC-099C	Studio Workshop in Pointe III	1
DANC-118A	Pilates I	1.5
DANC-118B	Pilates II	1.5
DANC-118C	Pilates III	1.5
DANC-118D	Pilates IV	1.5

Area E – Fitness/Wellness

Two courses involving physical exercise and/or dance are required. They can only be chosen from the exercise science and/or dance courses listed below:

Code	Title	Units
Dance		
DANC-068	Introduction to Dance	1.5
DANC-071A	Studio Workshop in Tap Dance I	1
DANC-071B	Studio Workshop in Tap Dance II	1
DANC-072A	Studio Workshop in Modern Dance I	1
DANC-072B	Studio Workshop in Modern Dance II	1
DANC-074A	Studio Workshop in Jazz Dance I	1
DANC-074B	Studio Workshop in Jazz Dance II	1
DANC-078A	Studio Workshop in Ballet I	1
DANC-078B	Studio Workshop in Ballet II	1
DANC-080A	Modern I	1.5
DANC-080B	Modern II	1.5
DANC-080C	Modern III	1.5
DANC-080D	Modern IV	1.5
DANC-081A	Tap I	1.5
DANC-081B	Tap II	1.5
DANC-081C	Tap III	1.5
DANC-081D	Tap IV	1.5
DANC-082A	Social and Ballroom Dance I	1.5
DANC-082B	Social and Ballroom Dance II	1.5
DANC-083A	Latin American Dance I	1.5
DANC-083B	Latin American Dance II	1.5
DANC-084A	Jazz I	1.5
DANC-084B	Jazz II	1.5
DANC-084C	Jazz III	1.5
DANC-084D	Jazz IV	1.5
DANC-088A	Ballet I	1.5
DANC-088B	Ballet II	1.5
DANC-088C	Ballet III	1.5
DANC-088D	Ballet IV	1.5
Exercise Science		
ES-001	Adapted Physical Exercise	1
ES-002	Advanced Adapted Physical Exercise	1
ES-003	Adaptive Aerobic Fitness	1
ES-004A	Beginning Fitness for the Newcomer	1
ES-004B	Intermediate Fitness for the Newcomer	1
ES-004C	Advanced Fitness for the Newcomer	1
ES-005A	Beginning Cardio Fitness and Resistance Training	1.5
ES-005B	Intermediate Cardio Fitness and Resistance Training	1.5
ES-005C	Advanced Cardio Fitness and Resistance Training	1.5
ES-006A	Beginning Fitness Circuit	1
ES-006B	Intermediate Fitness Circuit	1
ES-006C	Advanced Fitness Circuit	1
ES-007A	Beginning Aerobic Walking for Fitness and Wellness	1.5
ES-007B	Intermediate Aerobic Walking for Fitness and Wellness	1.5
ES-007C	Advanced Aerobic Walking for Fitness and Wellness	1.5
ES-008A	Beginning Indoor Cycling	1
ES-008B	Intermediate Indoor Cycling	1
ES-008C	Advanced Indoor Cycling	1
ES-009A	Beginning Aerobic Dance Exercise	1
ES-009B	Intermediate Aerobic Dance Exercise	1
ES-009C	Advanced Aerobic Dance Exercise	1
ES-016A	Beginning Trail Running	1
ES-016B	Intermediate Trail Running	1
ES-016C	Advanced Trail Running	1
ES-017A	Beginning Trail Hiking	1
ES-017B	Intermediate Trail Hiking	1
ES-017C	Advanced Trail Hiking	1
ES-021A	Beginning Fitness for Chronic Disease And Injury Prevention	1.5
ES-021B	Intermediate Fitness for Chronic Disease And Injury Prevention	1.5
ES-021C	Advanced Fitness for Chronic Disease and Injury Prevention	1.5
ES-022	Total Body Conditioning	1
ES-023A	Beginning Resistance Training	1
ES-023B	Intermediate Resistance Training	1

ES-023C	Advanced Resistance Training	1
ES-024A	Beginning Fitness Boot Camp	1
ES-024B	Intermediate Fitness Boot Camp	1
ES-024C	Advanced Fitness Boot Camp	1
ES-026	Stress Reduction Through Movement and Mindfulness	1
ES-027A	Beginning T'ai Chi Ch'uan	1
ES-027B	Intermediate T'ai Chi Ch'uan	1
ES-027C	Advanced T'ai Chi Ch'uan	1
ES-028A	Beginning Yoga	1.5
ES-028B	Intermediate Yoga	1.5
ES-028C	Advanced Yoga	1.5
ES-029	Adapted Yoga	1
ES-030	Adaptive Aquatic Sports Education	1
ES-035	Adapted Swimming Limited	1
ES-037A	Beginning Springboard Diving	1
ES-037B	Intermediate Springboard Diving	1
ES-037C	Advanced Springboard Diving	1
ES-039	Swimming for Nonswimmers	1
ES-040A	Beginning Aquatic Fitness	1
ES-040B	Intermediate Aquatic Fitness	1
ES-040C	Advanced Aquatic Fitness	1
ES-041	Adapted Water Aerobics	1.5
ES-043A	Beginning Swimming	1
ES-043B	Intermediate Swimming	1
ES-043C	Advanced Swimming	1
ES-044A	Beginning Lap Swimming for Health and Fitness	1
ES-044B	Intermediate Lap Swimming for Health and Fitness	1
ES-044C	Advanced Lap Swimming for Health and Fitness	1
ES-060A	Beginning Badminton	1
ES-060B	Intermediate Badminton	1
ES-060C	Advanced Badminton	1
ES-061A	Beginning Pickleball	1
ES-061B	Intermediate Pickleball	1
ES-061C	Advanced Pickleball	1
ES-076A	Beginning Tennis	1
ES-076B	Intermediate Tennis	1
ES-076C	Advanced Tennis	1
ES-125A	Beginning Golf	1
ES-125B	Intermediate Golf	1.5
ES-125C	Advanced Golf	1.5
ES-130A	Beginning Gymnastics	1
ES-130B	Intermediate Gymnastics	1.5
ES-130C	Advanced Gymnastics	1.5
ES-155A	Beginning Basketball	1
ES-155B	Intermediate Basketball	1
ES-155C	Advanced Basketball	1
ES-170A	Beginning Soccer	1
ES-170B	Intermediate Soccer	1
ES-170C	Advanced Soccer	1

ES-171A	Beginning Softball	1
ES-171B	Intermediate Softball	1
ES-171C	Advanced Softball	1
ES-172A	Beginning Baseball	1
ES-172B	Intermediate Baseball	1
ES-172C	Advanced Baseball	1
ES-175A	Beginning Volleyball	1
ES-175B	Intermediate Volleyball	1
ES-175C	Advanced Volleyball	1
ES-176A	Beginning Beach Volleyball	1
ES-176B	Intermediate Beach Volleyball	1
ES-176C	Advanced Beach Volleyball	1
ES-180	Self-Defense for Women	1
ES-185A	Beginning Fencing	1.5
ES-185B	Intermediate Fencing	1.5
ES-185C	Advanced Fencing	1.5

Associate Degree Major Requirements

Code	Title	Units
Select one of the following:		7-8
BIO-140 & BIO-141	Human Anatomy and Human Physiology	
BIO-144 & BIO-145	Anatomy and Physiology I and Anatomy and Physiology II	
FS-120	Human Development	3
or CD-125	Child Growth and Development	
or CD-131	Child, Family and Community	
or ETHN-125	Cross-Cultural Psychology	
or PSY-120	Introductory Psychology	
or PSY-125	Cross-Cultural Psychology	
OTA-100	Fundamentals of Occupational Therapy	2
OTA-101	Fundamentals of Activity/Therapeutic Media	2
OTA-102	Rehabilitation Terminology, Diseases and Diagnoses	2
OTA-110	Occupational Skills-Psychosocial	4
OTA-111	Experiential/Simulation I	1
OTA-120	Documentation in Occupational Therapy	3
OTA-130	Dynamics of Human Movement	4
OTA-140	Occupational Skills Development in Pediatric Roles	3
OTA-141	Experiential/Simulation II	1
OTA-200	Introduction to Occupational Therapy Skills in Physical Rehabilitation	3
OTA-210	Assistive Technology in Occupational Therapy	3
OTA-220	Advanced Occupational Therapy Skills for Physical Dysfunction	3
OTA-221	Experiential/Simulation III	1
OTA-230	Occupational Therapy Management	2
OTA-240	Clinical Practicum IV	6
OTA-241	Clinical Practicum V	6
Units in the major		56-57

Plus General Education Requirements	14
Total Units	70-71

Orthopedic Technology Associate in Science and Certificate of Achievement



Refer to Admission: Orthopedic Technology (OT) Program in Admission Information (p. 18) for special admission procedures and criteria.

A program designed to train students as Orthopedic Technologists, preparing graduates with lifetime professional skills in an expanding allied health field. Orthopedic Technologists are employed in hospitals, clinics, or private practice offices for applying, adjusting, and/or removing of casts, splints, and braces. In addition, the Orthopedic Technologists set up, adjust, and maintain all traction configurations, assist with the care of the acutely injured orthopedic patients, and assist the physician in the reduction and/or manipulation of orthopedic injuries. This program prepares the graduate to take the national certification examination (NBCOT).

Students are admitted to the Orthopedic Technology Program based on the date a completed application packet is submitted to include the following: OT application, completed immunizations and/or tests and official transcripts of all science prerequisites if taken outside of GCCCD. Program applications are accepted year round and is a separate process from an application to Grossmont College.

For all information on admission criteria, see the Orthopedic Technology Program website at <https://www.grossmont.edu/academics/programs/health-professions/orthopedic-technology/>.

Grossmont College prepares the student for an Associate Degree in Science as an Orthopedic Technologist or, upon successful completion of the Orthopedic Technology courses, a Certificate of Achievement. In addition to the orthopedic technology courses, the major requires selected general education courses to be successfully completed for the degree. Upon completion of all degree requirements, the graduate is eligible to sit for the certification exam as a Certified Orthopedic Technologist administered by the National Board for Certification of Orthopedic Technologists, Inc. (NBCOT).

Important: Any prior conviction of a misdemeanor or felony may influence eligibility for licensure or certification as an Orthopedic Technologist. A flagged background check or drug screen may also prohibit participation in the program, certification exam, or securing employment. Applicants with prior convictions are urged to contact the National Board for Certification of Orthopedic Technologists, Inc. (NBCOT) at 866-466-2268.

Career Opportunities

<https://www.grossmont.edu/student-support/career-center/resources.php>

Orthopedic Assistant
Orthopedic Cast Specialist
Orthopedic Technologist / Assistant

Orthopedic Surgical Technician
Orthotic Assistant
Orthotics-Prosthetics Assistant
Prosthetics Assistant

The Program-level Student Learning Outcomes (PSLOs) below are outcomes that students will achieve after completing specific degree / certificate requirements in this program. Students will:

1. Articulate descriptions of orthopedic conditions based on the knowledge of anatomical structures and their relationships to one another.
2. Demonstrate the ability to apply, adjust, and remove all common orthopedic devices per hospital policy.
3. Demonstrate the knowledge of and the ability to execute aseptic technique when performing orthopedic procedures.
4. Demonstrate an adherence to the Standards of Practice and Code of Ethics of the National Association of Orthopedic Technologist that will reflect the ethical, legal and moral responsibilities of the Orthopedic Technologists.

General Education Requirements for Orthopedic Technology Majors

All Allied Health and Nursing students adhere to the graduation requirements outlined in the college catalog for the academic year in which they enter the program.

Competency Requirement

1. Competency in reading, writing, expression shown by achieving a "C" grade or higher or "Pass" in courses listed under Area A, Section 1 – Written Communication.
2. Competency in Mathematics shown by
 - a. Completion of MATH-120 Quantitative Reasoning or a higher numbered math course with a grade of "C" or higher or a grade of "P"; or a statistics course from another discipline with a grade of "C" or higher or a grade of "P"; or placing into a math course numbered MATH-170 Analytic Trigonometry or above.

Area A - Language and Rationality

Three courses (a minimum of nine units) are required in written communication, oral communication, and analytical thinking. At least one course must be taken from **each** of the following three sections:

1. Written Communication

Must be completed with a "C" grade or higher or "Pass" to satisfy the competency requirement.

Code	Title	Units
ENGL-120	College Composition and Reading	3
ENGL-124	Advanced Composition: Critical Reasoning and Writing	3
ESL-122	College Rhetoric	6

2. Oral Communication

Code	Title	Units
COMM-120	Interpersonal Communication	3
COMM-122	Public Speaking	3
COMM-130	Fundamentals of Human Communication	3

3. Analytical Thinking

Must be completed with a "C" grade or higher or "Pass" to satisfy the competency requirement.

Code	Title	Units
ANTH-215	Statistics for the Behavioral Sciences	4
BIO-215	Statistics for Life Sciences	3
ECON-215	Statistics for Business and Economics	4
GEOG-104	Introduction to Geographic Information Science	3
MATH-103	Intermediate Algebra	3
MATH-108	Beginning & Intermediate Algebra for Business, Math, Science, and Engineering Majors	6
MATH-110	Intermediate Algebra for Business, Math, Science and Engineering Majors	5
MATH-120	Quantitative Reasoning	3
MATH-125	Structure and Concepts of Elementary Mathematics I	3
MATH-126	Structure and Concepts of Elementary Mathematics II	3
MATH-150	Introduction to Computer Programming Applications in Mathematics	3
MATH-160	Elementary Statistics	4
MATH-170	Analytic Trigonometry	3
MATH-175	College Algebra	4
MATH-176	Precalculus: Functions and Graphs	6
MATH-178	Calculus for Business, Social and Behavioral Sciences	4
MATH-180	Analytic Geometry and Calculus I	5
MATH-245	Discrete Mathematics	3
MATH-280	Analytic Geometry and Calculus II	4
MATH-281	Multivariable Calculus	4
MATH-284	Linear Algebra	3
MATH-285	Differential Equations	3
PHIL-125	Critical Thinking	3
PHIL-130	Logic	3
PSC-120	Fundamentals of Scientific Computing (MATLAB)	4
PSY-215	Statistics for the Behavioral Sciences	4
SOC-215	Statistics for the Behavioral Sciences	4

Area B - Natural Sciences

Two natural science courses (a minimum of seven units) are required. One course must contain a laboratory.

Code	Title	Units
ANTH-130	Introduction to Biological Anthropology ¹	3
ANTH-131	Biological Anthropology Laboratory ²	1
ASTR-110	Descriptive Astronomy ¹	3
ASTR-112	General Astronomy Laboratory ²	1
ASTR-120	Exploration of the Solar System	3
One of the following sequences:		8
Sequence A.		
BIO-140	Human Anatomy	

BIO-141	Human Physiology ¹	
Sequence B.		
BIO-144	Anatomy and Physiology I	
BIO-145	Anatomy and Physiology II	
BIO-152	Paramedical Microbiology	5
BIO-105	Marine Biology	4
BIO-110	Environmental Biology	4
BIO-112	Contemporary Issues in Environmental Resources ¹	3
BIO-114	Heredity, Evolution and Society ¹	3
BIO-118	Introduction to Human Biology ¹	3
BIO-120	Principles of Biology	4
BIO-141L	Laboratory in Human Physiology ²	1
BIO-230	Principles of Cellular, Molecular and Evolutionary Biology	4
BIO-240	Principles of Ecology, Evolution and Organismal Biology	5
CHEM-102	Introduction to General, Organic and Biological Chemistry	5
CHEM-110	Environmental Chemistry ¹	3
CHEM-113	Forensic Chemistry	4
CHEM-115	Fundamentals of Chemistry	4
CHEM-116	Introductory Organic and Biochemistry	4
CHEM-117	Introductory Biochemistry	3
CHEM-120	Preparation for General Chemistry	4
CHEM-141	General Chemistry I	5
CHEM-142	General Chemistry II	5
CHEM-231	Organic Chemistry I	5
CHEM-232	Organic Chemistry II	5
CHEM-241	Organic Chemistry I Lecture ¹	3
CHEM-241L	Organic Chemistry I Laboratory ²	2
CHEM-242	Organic Chemistry II Lecture ¹	3
CHEM-242L	Organic Chemistry II Laboratory ²	2
GEOG-120	Physical Geography: Earth Systems ¹	3
GEOG-121	Physical Geography: Earth Systems Laboratory ²	1
GEOG-140	Meteorology: Weather and Climate ¹	3
GEOL-104	Earth Science ¹	3
GEOL-110	Planet Earth ¹	3
GEOL-111	Planet Earth Laboratory ²	1
GEOL-121	Earth History	4
GEOL-210	Geology of California ¹	3
GEOL-220	Geology of the National Parks ¹	3
GEOL-230	Natural Disasters ¹	3
OCEA-112	Introduction to Oceanography ¹	3
OCEA-113	Oceanography Laboratory ²	1
PSC-100	Physical Science for Elementary Education ¹	3
PSC-110	Introduction to the Physical Sciences ¹	3
PSC-111	Introduction to Physical Sciences Laboratory ²	1
PHYC-110	Introductory Physics	4
PHYC-130	Fundamentals of Physics	4

PHYC-131	Fundamentals of Physics	4
PHYC-140	Mechanics of Solids	4
PHYC-201	Mechanics and Waves	5
PHYC-202	Electricity, Magnetism, and Heat	5
PHYC-203	Light, Optics, and Modern Physics	5
PHYC-240	Electricity, Magnetism, and Heat	4
PHYC-241	Light, Optics, and Modern Physics	4
SCI-110	Introduction to Scientific Thought ¹	3

¹ Course does not contain a laboratory component.

² Course is laboratory only.

Area C - Humanities

One humanities course (a minimum of three units) is required.

Code	Title	Units
ASL-120	American Sign Language I	4
ASL-121	American Sign Language II	4
ASL-140	Inside Deaf Culture	3
ASL-220	American Sign Language III	4
ASL-221	American Sign Language IV	4
ARBC-120	Arabic I	5
ARBC-121	Arabic II	5
ARBC-122	Arabic for the Arabic Speaker I	5
ARBC-123	Arabic for the Arabic Speaker II	5
ARBC-148	Language, Culture, and Literature of the Arab World	3
ARBC-220	Arabic III	5
ARBC-221	Arabic IV	5
ARBC-250	Conversational Arabic I	3
ARBC-251	Conversational Arabic II	3
ART-100	Art Appreciation	3
ART-120	Two-Dimensional Design	3
ART-124	Drawing I	3
ART-126	Ceramics I	3
ART-129	Three-Dimensional Design	3
ART-140	Survey of Western Art I: Prehistory Through Middle Ages	3
ART-141	Survey of Western Art II: Renaissance Through Modern	3
ART-142	Art of Africa, Oceania and the Americas	3
ART-143	Modern Art	3
ART-145	Contemporary Art	3
ART-146	Asian Art	3
ART-147	American Art	3
ART-171	Introduction to Digital Art	3
CHIN-120	Chinese I	5
CHIN-121	Chinese II	5
CHIN-220	Chinese III	5
CHIN-221	Chinese IV	5
CHIN-250	Conversational Chinese I	3
CHIN-251	Conversational Chinese II	3
COMM-135	Oral Interpretation of Literature	3

COMM-137	Critical Thinking in Group Communication	3
COMM-144	Communication Studies: Race and Ethnicity	3
COMM-145	Argumentation	3
DANC-110	Dance History	3
DANC-120	Dance Appreciation	3
ENGL-122	Introduction to Literature	3
ENGL-126	Introduction to Creative Writing	3
ENGL-134	Creative Nonfiction Writing I	3
ENGL-135	Creative Nonfiction Writing II	3
ENGL-136	Creative Nonfiction Writing III	3
ENGL-137	Creative Nonfiction Writing IV	3
ENGL-201	Women, Gender, and Sexuality in Literature	3
ENGL-203	Children's Literature	3
ENGL-215	Mythology	3
ENGL-217	Fantasy and Science Fiction	3
ENGL-218	Shakespeare - His Plays and the Theatre of His Time	3
ENGL-219	Views of Death and Dying in Literature	3
ENGL-221	British Literature I	3
ENGL-222	British Literature II	3
ENGL-231	American Literature I	3
ENGL-232	American Literature II	3
ENGL-236	Chicana/o Literature	3
ENGL-237	American Indian Literature	3
ENGL-238	Black Literature	3
ENGL-277	Literary Theme	3
ESL-115	Exploring U.S. Cultures	6
ETHN-126	Chicano/Chicana and Mexican Art	3
ETHN-127	La Chicana	3
ETHN-134	Introduction to American Indian Art	3
ETHN-143	Images of Black Women	3
ETHN-144	Communication Studies: Race and Ethnicity	3
ETHN-236	Chicana/o Literature	3
ETHN-237	American Indian Literature	3
ETHN-238	Black Literature	3
FREN-120	French I	5
FREN-121	French II	5
FREN-152	The French-Speaking World: A Cross-Cultural Perspective	3
FREN-220	French III	5
FREN-221	French IV	5
FREN-250	Conversational French I	3
FREN-251	Conversational French II	3
GERM-120	German I	5
GERM-121	German II	5
GERM-220	German III	5
GERM-221	German IV	5
GERM-250	Conversational German I	3
GERM-251	Conversational German II	3
HIST-100	Early World History	3
HIST-101	Modern World History	3

HIST-103	Twentieth Century World History	3	RELG-120	World Religions	3
HIST-105	Early Western Civilization	3	RELG-130	Scriptures of World Religions	3
HIST-106	Modern Western Civilization	3	RELG-140	Religion and Culture	3
HIST-113	American Military History	3	RELG-150	Scriptures of India and China	3
HIST-126	History of Mexico	3	RELG-170	Introduction to Christianity	3
HIST-135	Ancient History of Western Civilization	3	RUSS-120	Russian I	5
HIST-136	Survey of Medieval History	3	RUSS-121	Russian II	5
HIST-137	History of East Asia	3	RUSS-220	Russian III	5
HIST-148	Modern Middle East History	3	RUSS-221	Russian IV	5
HUM-110	Principles of the Humanities	3	RUSS-250	Conversational Russian I	3
HUM-120	European Humanities	3	RUSS-251	Conversational Russian II	3
HUM-125	Women and Western Culture	3	SPAN-120	Spanish I	5
HUM-130	East Asian Humanities	3	SPAN-121	Spanish II	5
HUM-135	Blues as Literature, History, and Culture	3	SPAN-122	Spanish for the Native Speaker I	5
HUM-140	Humanities of the Americas	3	SPAN-123	Spanish for the Native Speaker II	5
HUM-160	Humanities of the Future	3	SPAN-141	Spanish and Latin American Cultures	3
HUM-170	Modern World Humanities	3	SPAN-145	Hispanic Civilizations	3
ITAL-120	Italian I	5	SPAN-220	Spanish III	5
ITAL-121	Italian II	5	SPAN-221	Spanish IV	5
ITAL-220	Italian III	5	SPAN-250	Conversational Spanish I	3
ITAL-221	Italian IV	5	SPAN-251	Conversational Spanish II	3
ITAL-250	Conversational Italian I	3	THTR-101	Introduction to Narrative Theory	3
ITAL-251	Conversational Italian II	3	THTR-110	Introduction to the Theatre	3
JAPN-120	Japanese I	5	THTR-130	Acting I	3
JAPN-121	Japanese II	5	THTR-143	Historic Costume for the Theatre	3
JAPN-149	Japanese Culture and Civilization	3	THTR-144	20th Century Fashion and Costume	3
JAPN-220	Japanese III	5	THTR-205	The American Musical on Stage and Screen	3
JAPN-221	Japanese IV	5			
JAPN-250	Conversational Japanese I	3			
JAPN-251	Conversational Japanese II	3			
MCOM-111	Introduction to Film Analysis	3			
MUS-110	Great Music Listening	3			
MUS-111	The History of Jazz	3			
MUS-115	The History of Rock Music	3			
MUS-116	Introduction to World Music	3			
MUS-117	Introduction to Music History and Literature	3			
MUS-123	History of Hip Hop Culture	3			
MUS-189	Multimedia and the Creative Arts	3			
PHIL-110	A General Introduction to Philosophy	3			
PHIL-111	Philosophy and Popular Culture	3			
PHIL-115	History of Philosophy I: Ancient and Medieval	3			
PHIL-117	History of Philosophy II: Modern and Contemporary	3			
PHIL-140	Problems in Ethics	3			
PHIL-141	Bioethics	3			
PHIL-145	Social and Political Philosophy	3			
PHIL-150	The Philosophy of Art	3			
PHIL-155	The Philosophy of Science	3			
PHIL-160	Latin American Philosophy	3			
PHOT-150	Introduction to Photography	3			
PHOT-154	History of Photography	3			

Area D - Social Sciences

One social science course (a minimum of three units) is required.

Code	Title	Units
AOJ-110	Introduction to Administration of Justice	3
ANTH-120	Cultural Anthropology	3
ANTH-122	Anthropology of Magic, Witchcraft, and Religion	3
ANTH-127	Cultures of Latin America	3
ANTH-140	Introduction to Archaeology	3
CD-115	Changing American Family	3
CD-125	Child Growth and Development	3
CD-131	Child, Family and Community	3
CD-134	Health, Safety and Nutrition of Young Children	3
CD-145	Child Abuse and Family Violence in Our Society	3
CD-153	Teaching in a Diverse Society	3
COMM-124	Intercultural Communication	3
COMM-126	Communication Studies: Health and Wellness	3
COMM-128	Global Communication	3
ECON-110	Economic Issues and Policies	3
ECON-120	Principles of Macroeconomics	3
ECON-121	Principles of Microeconomics	3

ETHN-107	History of Race & Ethnicity in the United States	3	HIST-130	U.S. History and Cultures: Native American Perspectives I	3
ETHN-114	Introduction to Race & Ethnicity	3	HIST-131	U.S. History and Cultures: Native American Perspectives II	3
ETHN-115	Introduction to Cultural Competence	3	HIST-154	Early History of Women in World Civilization	3
ETHN-118	U.S. History: Chicano/Chicana Perspectives I	3	HIST-155	Modern History of Women in World Civilization	3
ETHN-119	U.S. History: Chicano/Chicana Perspective II	3	HIST-160	U.S. History: Asian American and Pacific Island American Perspectives I	3
ETHN-125	Cross-Cultural Psychology	3	HIST-161	U.S. History: Asian American and Pacific Island American Perspectives II	3
ETHN-128	Introduction to Chicana/o Studies	3	HIST-180	U.S. History: Black Perspectives I	3
ETHN-130	U.S. History and Cultures: Native American Perspectives I	3	HIST-181	U.S. History: Black Perspectives II	3
ETHN-131	U.S. History and Cultures: Native American Perspectives II	3	MCOM-110	Mass Media and Society	3
ETHN-135	San Diego County American Indian Tribes	3	MCOM-210	Social Media in the Digital Age	3
ETHN-137	American Indian Culture and Heritage	3	MCOM-250	Introduction to Representation in the Media	3
ETHN-138	The History and Cultures of California Indians	3	NUTR-155	Introduction to Nutrition	3
ETHN-145	Introduction to Black Studies	3	NUTR-158	Nutrition for Fitness and Sports	3
ETHN-160	U.S. History: Asian American and Pacific Island American Perspectives I	3	NUTR-159	Cultural Aspects of Food and Nutrition	3
ETHN-161	U.S. History: Asian American and Pacific Island American Perspectives II	3	POSC-120	Introduction to Politics and Political Analysis	3
ETHN-180	U.S. History: Black Perspectives I	3	POSC-121	Introduction to U.S. Government and Politics	3
ETHN-181	U.S. History: Black Perspectives II	3	POSC-124	Introduction to Comparative Government and Politics	3
FS-115	Changing American Family	3	POSC-130	Introduction to International Relations	3
FS-120	Human Development	3	POSC-140	Introduction to California Governments and Politics	3
GEND-116	Introduction to Women's Studies	3	POSC-150	Introduction to Political Theory	3
GEND-117	Introduction to LGBTQ Studies	3	POSC-160	Politics in Film	3
GEND-154	Early History of Women in World Civilization	3	PSY-120	Introductory Psychology	3
GEND-155	Modern History of Women in World Civilization	3	PSY-125	Cross-Cultural Psychology	3
GEOG-100	Introduction to Global Studies	3	PSY-132	Psychology of Health	3
GEOG-101	Global Issues	3	PSY-134	Human Sexuality	3
GEOG-106	World Regional Geography	3	PSY-138	Social Psychology	3
GEOG-130	Human Geography: The Cultural Landscape	3	PSY-140	Physiological Psychology	3
GEOG-170	The Geography of California	3	PSY-170	Abnormal Psychology	3
HED-120	Personal Health and Lifestyles	3	PSY-220	Learning	3
HED-201	Introduction to Public Health	3	RELG-165	Religion in America	3
HIST-107	History of Race & Ethnicity in the United States	3	SOC-114	Introduction to Race & Ethnicity	3
HIST-108	Early American History	3	SOC-120	Introductory Sociology	3
HIST-109	Modern American History	3	SOC-125	Marriage, Family, and Alternate Lifestyles	3
HIST-114	Comparative History of the Early Americas	3	SOC-130	Contemporary Social Problems	3
HIST-115	Comparative History of the Modern Americas	3	SOC-138	Social Psychology	3
HIST-118	U.S. History: Chicano/Chicana Perspectives I	3	SOC-140	Sex and Gender Across Cultures	3
HIST-119	U.S. History: Chicano/Chicana Perspectives II	3	SOC-150	Latinx Communities in the United States	3
HIST-122	Women in Early American History	3			
HIST-123	Women in Modern American History	3			
HIST-124	History of California	3			

Area E – Fitness/Wellness

Two courses involving physical exercise and/or dance are required. They can only be chosen from the exercise science and/or dance courses listed below:

Code	Title	Units			
Dance					
DANC-068	Introduction to Dance	1.5	ES-005B	Intermediate Cardio Fitness and Resistance Training	1.5
DANC-071A	Studio Workshop in Tap Dance I	1	ES-005C	Advanced Cardio Fitness and Resistance Training	1.5
DANC-071B	Studio Workshop in Tap Dance II	1	ES-006A	Beginning Fitness Circuit	1
DANC-072A	Studio Workshop in Modern Dance I	1	ES-006B	Intermediate Fitness Circuit	1
DANC-072B	Studio Workshop in Modern Dance II	1	ES-006C	Advanced Fitness Circuit	1
DANC-074A	Studio Workshop in Jazz Dance I	1	ES-007A	Beginning Aerobic Walking for Fitness and Wellness	1.5
DANC-074B	Studio Workshop in Jazz Dance II	1	ES-007B	Intermediate Aerobic Walking for Fitness and Wellness	1.5
DANC-078A	Studio Workshop in Ballet I	1	ES-007C	Advanced Aerobic Walking for Fitness and Wellness	1.5
DANC-078B	Studio Workshop in Ballet II	1	ES-008A	Beginning Indoor Cycling	1
DANC-080A	Modern I	1.5	ES-008B	Intermediate Indoor Cycling	1
DANC-080B	Modern II	1.5	ES-008C	Advanced Indoor Cycling	1
DANC-080C	Modern III	1.5	ES-009A	Beginning Aerobic Dance Exercise	1
DANC-080D	Modern IV	1.5	ES-009B	Intermediate Aerobic Dance Exercise	1
DANC-081A	Tap I	1.5	ES-009C	Advanced Aerobic Dance Exercise	1
DANC-081B	Tap II	1.5	ES-016A	Beginning Trail Running	1
DANC-081C	Tap III	1.5	ES-016B	Intermediate Trail Running	1
DANC-081D	Tap IV	1.5	ES-016C	Advanced Trail Running	1
DANC-082A	Social and Ballroom Dance I	1.5	ES-017A	Beginning Trail Hiking	1
DANC-082B	Social and Ballroom Dance II	1.5	ES-017B	Intermediate Trail Hiking	1
DANC-083A	Latin American Dance I	1.5	ES-017C	Advanced Trail Hiking	1
DANC-083B	Latin American Dance II	1.5	ES-021A	Beginning Fitness for Chronic Disease And Injury Prevention	1.5
DANC-084A	Jazz I	1.5	ES-021B	Intermediate Fitness for Chronic Disease And Injury Prevention	1.5
DANC-084B	Jazz II	1.5	ES-021C	Advanced Fitness for Chronic Disease and Injury Prevention	1.5
DANC-084C	Jazz III	1.5	ES-022	Total Body Conditioning	1
DANC-084D	Jazz IV	1.5	ES-023A	Beginning Resistance Training	1
DANC-088A	Ballet I	1.5	ES-023B	Intermediate Resistance Training	1
DANC-088B	Ballet II	1.5	ES-023C	Advanced Resistance Training	1
DANC-088C	Ballet III	1.5	ES-024A	Beginning Fitness Boot Camp	1
DANC-088D	Ballet IV	1.5	ES-024B	Intermediate Fitness Boot Camp	1
DANC-094A	Hip Hop I	1.5	ES-024C	Advanced Fitness Boot Camp	1
DANC-094B	Hip Hop II	1.5	ES-026	Stress Reduction Through Movement and Mindfulness	1
DANC-094C	Hip Hop III	1.5	ES-027A	Beginning T'ai Chi Ch'uan	1
DANC-094D	Hip Hop IV	1.5	ES-027B	Intermediate T'ai Chi Ch'uan	1
DANC-099A	Studio Workshop in Pointe I	1	ES-027C	Advanced T'ai Chi Ch'uan	1
DANC-099B	Studio Workshop in Pointe II	1	ES-028A	Beginning Yoga	1.5
DANC-099C	Studio Workshop in Pointe III	1	ES-028B	Intermediate Yoga	1.5
DANC-118A	Pilates I	1.5	ES-028C	Advanced Yoga	1.5
DANC-118B	Pilates II	1.5	ES-029	Adapted Yoga	1
DANC-118C	Pilates III	1.5	ES-030	Adaptive Aquatic Sports Education	1
DANC-118D	Pilates IV	1.5	ES-035	Adapted Swimming Limited	1
Exercise Science			ES-037A	Beginning Springboard Diving	1
ES-001	Adapted Physical Exercise	1	ES-037B	Intermediate Springboard Diving	1
ES-002	Advanced Adapted Physical Exercise	1	ES-037C	Advanced Springboard Diving	1
ES-003	Adaptive Aerobic Fitness	1	ES-039	Swimming for Nonswimmers	1
ES-004A	Beginning Fitness for the Newcomer	1	ES-040A	Beginning Aquatic Fitness	1
ES-004B	Intermediate Fitness for the Newcomer	1			
ES-004C	Advanced Fitness for the Newcomer	1			
ES-005A	Beginning Cardio Fitness and Resistance Training	1.5			

ES-040B	Intermediate Aquatic Fitness	1
ES-040C	Advanced Aquatic Fitness	1
ES-041	Adapted Water Aerobics	1.5
ES-043A	Beginning Swimming	1
ES-043B	Intermediate Swimming	1
ES-043C	Advanced Swimming	1
ES-044A	Beginning Lap Swimming for Health and Fitness	1
ES-044B	Intermediate Lap Swimming for Health and Fitness	1
ES-044C	Advanced Lap Swimming for Health and Fitness	1
ES-060A	Beginning Badminton	1
ES-060B	Intermediate Badminton	1
ES-060C	Advanced Badminton	1
ES-061A	Beginning Pickleball	1
ES-061B	Intermediate Pickleball	1
ES-061C	Advanced Pickleball	1
ES-076A	Beginning Tennis	1
ES-076B	Intermediate Tennis	1
ES-076C	Advanced Tennis	1
ES-125A	Beginning Golf	1
ES-125B	Intermediate Golf	1.5
ES-125C	Advanced Golf	1.5
ES-130A	Beginning Gymnastics	1
ES-130B	Intermediate Gymnastics	1.5
ES-130C	Advanced Gymnastics	1.5
ES-155A	Beginning Basketball	1
ES-155B	Intermediate Basketball	1
ES-155C	Advanced Basketball	1
ES-170A	Beginning Soccer	1
ES-170B	Intermediate Soccer	1
ES-170C	Advanced Soccer	1
ES-171A	Beginning Softball	1
ES-171B	Intermediate Softball	1
ES-171C	Advanced Softball	1
ES-172A	Beginning Baseball	1
ES-172B	Intermediate Baseball	1
ES-172C	Advanced Baseball	1
ES-175A	Beginning Volleyball	1
ES-175B	Intermediate Volleyball	1
ES-175C	Advanced Volleyball	1
ES-176A	Beginning Beach Volleyball	1
ES-176B	Intermediate Beach Volleyball	1
ES-176C	Advanced Beach Volleyball	1
ES-180	Self-Defense for Women	1
ES-185A	Beginning Fencing	1.5
ES-185B	Intermediate Fencing	1.5
ES-185C	Advanced Fencing	1.5

Associate Degree Major Requirements

All Allied Health and Nursing students adhere to the graduation requirements outlined in the college catalog for the academic year in which they enter the program.

Code	Title	Units
OT-110	Orthopedic Anatomy and Physiology	5
OT-111	Orthopedic Techniques I	4
OT-112	Introduction to Clinical Practicum	3
OT-210	Diagnosis and Treatment of Orthopedic Disorders I	5
OT-211	Orthopedic Techniques II	4
OT-212	Supervised Hospital Clinical Practicum I	3
OT-214	Supervised Hospital Clinical Practicum II	4
OT-215	Diagnosis and Treatment of Orthopedic Disorders II	3
Total Units		31

Plus General Education and Elective Requirements

Certificate of Achievement

Any student who chooses to complete only the courses required for the above major qualifies for a Certificate of Achievement in Orthopedic Technology. An official request must be filed with the Admissions and Records Office prior to the deadline as stated in the Academic Calendar.

Respiratory Therapy Associate in Science



Refer to Admission: Respiratory Therapy (RESP) Program in Admission Information (p. 18) for special admission procedures and criteria.

Respiratory Therapists, also known as Respiratory Care Practitioners are allied health professionals trained and educated to care for patients in need of cardio-pulmonary support. Respiratory therapists assess, use diagnostic tests to evaluate, treat, educate, and provide care to patients from birth until the end-of-life. A respiratory therapist has probably provided you with care if you have or have ever had asthma, chronic obstructive pulmonary disease, pneumonia, suffered trauma, delivered a baby prematurely or by cesarean section, suffered a respiratory or cardiac arrest, or needed life support.

Specific testing techniques are employed in respiratory therapy to assist in diagnoses, monitoring, treatment and research. This includes measurement of ventilatory volumes, pressures and flows and blood gas analyses.

For all information on admission criteria, see the Respiratory Therapy Program website at <https://www.grossmont.edu/academics/programs/health-professions/respiratory-therapy/>

Grossmont College prepares the student for an Associate Degree in Science in Respiratory Therapy. In addition to the respiratory therapy courses, the major requires selected general education courses to be successfully completed for the degree. Upon completion of all degree requirements, the graduate is eligible to apply for the licensing exam

administered by the National Board for Respiratory Care (NBRC). All states, excluding Alaska require licensure to practice as an RT.

The Associate Degree in Respiratory Therapy Program is accredited through the Commission on Accreditation for Respiratory Care (CoARC) located at 264 Precision Blvd., Telford, TN 37690. <https://coarc.com/>

Graduates of the RT program are also eligible to transfer into a BSRT program upon completion of the program. Appropriate courses are fully accepted on transfer by the University of California, the California State University and by private four-year colleges and universities.

Important: Any prior conviction of a misdemeanor or felony may influence eligibility for licensure as a Respiratory Therapist. A flagged background check or drug screen may also prohibit participation in the RT program and securing employment. Applicants with prior convictions are urged to contact the Respiratory Care Board of California (RCB) at 866-375-0386.

Career Opportunities

<https://www.grossmont.edu/student-support/career-center/resources.php>

Asthma Educator
 Clinician
 Critical Care Specialist
 Department Supervisor¹ / Manager²
 Educator (Academic)²
 Equipment Sales Representative
 Health Educator
 Home Care Respiratory Specialist
 Industrial Consultant
 Medical Researcher²
 Neonatal / Pediatric Respiratory Specialist
 Pulmonary Function Specialist
 Pulmonary Rehabilitation Specialist

¹ Bachelor's degree recommended.

² Bachelor's degree or higher.

The Program-level Student Learning Outcomes (PSLOs) below are outcomes that students will achieve after completing specific degree / certificate requirements in this program. Students will:

1. Demonstrate the ability to comprehend, apply and evaluate clinical information relevant to his/her role as a Respiratory Therapist.
2. Demonstrate the technical proficiency in all the skills necessary to fulfill the role as a Respiratory Therapist.
3. Demonstrate personal behaviors consistent with professional and employer expectations as a Respiratory Therapist.

General Education Requirements for Respiratory Therapy Majors

All Allied Health and Nursing students adhere to the graduation requirements outlined in the college catalog for the academic year in which they enter the program.

Competency Requirement

1. Competency in reading, writing, expression shown by achieving a "C" grade or higher or "Pass" in courses listed under Area A, Section 1 – Written Communication.
2. Competency in Mathematics shown by

- a. Completion of MATH-120 Quantitative Reasoning or a higher numbered math course with a grade of "C" or higher or a grade of "P"; or a statistics course from another discipline with a grade of "C" or higher or a grade of "P"; or placing into a math course numbered MATH-170 Analytic Trigonometry or above.

Area A - Language and Rationality

Three courses (a minimum of nine units) are required in written communication, oral communication, and analytical thinking. At least one course must be taken from **each** of the following three sections:

1. Written Communication

Must be completed with a "C" grade or higher or "Pass" to satisfy the competency requirement.

Code	Title	Units
ENGL-120	College Composition and Reading	3
ENGL-124	Advanced Composition: Critical Reasoning and Writing	3
ESL-122	College Rhetoric	6

2. Oral Communication

Code	Title	Units
COMM-120	Interpersonal Communication	3
COMM-122	Public Speaking	3
COMM-130	Fundamentals of Human Communication	3

3. Analytical Thinking

Must be completed with a "C" grade or higher or "Pass" to satisfy the competency requirement.

Code	Title	Units
ANTH-215	Statistics for the Behavioral Sciences	4
BIO-215	Statistics for Life Sciences	3
ECON-215	Statistics for Business and Economics	4
GEOG-104	Introduction to Geographic Information Science	3
MATH-103	Intermediate Algebra	3
MATH-108	Beginning & Intermediate Algebra for Business, Math, Science, and Engineering Majors	6
MATH-110	Intermediate Algebra for Business, Math, Science and Engineering Majors	5
MATH-120	Quantitative Reasoning	3
MATH-125	Structure and Concepts of Elementary Mathematics I	3
MATH-126	Structure and Concepts of Elementary Mathematics II	3
MATH-150	Introduction to Computer Programming Applications in Mathematics	3
MATH-160	Elementary Statistics	4
MATH-170	Analytic Trigonometry	3
MATH-175	College Algebra	4
MATH-176	Precalculus: Functions and Graphs	6
MATH-178	Calculus for Business, Social and Behavioral Sciences	4
MATH-180	Analytic Geometry and Calculus I	5
MATH-245	Discrete Mathematics	3

MATH-280	Analytic Geometry and Calculus II	4
MATH-281	Multivariable Calculus	4
MATH-284	Linear Algebra	3
MATH-285	Differential Equations	3
PHIL-125	Critical Thinking	3
PHIL-130	Logic	3
PSC-120	Fundamentals of Scientific Computing (MATLAB)	4
PSY-215	Statistics for the Behavioral Sciences	4
SOC-215	Statistics for the Behavioral Sciences	4

Area B - Natural Sciences

Two natural science courses (a minimum of seven units) are required. One course must contain a laboratory.

Code	Title	Units
ANTH-130	Introduction to Biological Anthropology ¹	3
ANTH-131	Biological Anthropology Laboratory	1
ASTR-110	Descriptive Astronomy ¹	3
ASTR-112	General Astronomy Laboratory ²	1
ASTR-120	Exploration of the Solar System	3
BIO-105	Marine Biology	4
BIO-110	Environmental Biology	4
BIO-112	Contemporary Issues in Environmental Resources ¹	3
BIO-114	Heredity, Evolution and Society ¹	3
BIO-118	Introduction to Human Biology ¹	3
BIO-120	Principles of Biology	4
BIO-140	Human Anatomy	4
BIO-141	Human Physiology ¹	3
BIO-141L	Laboratory in Human Physiology ²	1
BIO-144	Anatomy and Physiology I	4
BIO-145	Anatomy and Physiology II	4
BIO-152	Paramedical Microbiology	5
BIO-230	Principles of Cellular, Molecular and Evolutionary Biology	4
BIO-240	Principles of Ecology, Evolution and Organismal Biology	5
CHEM-102	Introduction to General, Organic and Biological Chemistry	5
CHEM-110	Environmental Chemistry ¹	3
CHEM-113	Forensic Chemistry	4
CHEM-115	Fundamentals of Chemistry	4
CHEM-116	Introductory Organic and Biochemistry	4
CHEM-117	Introductory Biochemistry	3
CHEM-120	Preparation for General Chemistry	4
CHEM-141	General Chemistry I	5
CHEM-142	General Chemistry II	5
CHEM-231	Organic Chemistry I	5
CHEM-232	Organic Chemistry II	5
CHEM-241	Organic Chemistry I Lecture ¹	3
CHEM-241L	Organic Chemistry I Laboratory ²	2
CHEM-242	Organic Chemistry II Lecture ¹	3
CHEM-242L	Organic Chemistry II Laboratory ²	2

GEOG-120	Physical Geography: Earth Systems ¹	3
GEOG-121	Physical Geography: Earth Systems Laboratory ²	1
GEOG-140	Meteorology: Weather and Climate ¹	3
GEOL-104	Earth Science ¹	3
GEOL-110	Planet Earth ¹	3
GEOL-111	Planet Earth Laboratory ²	1
GEOL-121	Earth History	4
GEOL-210	Geology of California ¹	3
GEOL-220	Geology of the National Parks ¹	3
GEOL-230	Natural Disasters ¹	3
OCEA-112	Introduction to Oceanography ¹	3
OCEA-113	Oceanography Laboratory ²	1
PSC-100	Physical Science for Elementary Education ¹	3
PSC-110	Introduction to the Physical Sciences ¹	3
PSC-111	Introduction to Physical Sciences Laboratory ²	1
PHYC-110	Introductory Physics	4
PHYC-130	Fundamentals of Physics	4
PHYC-131	Fundamentals of Physics	4
PHYC-140	Mechanics of Solids	4
PHYC-201	Mechanics and Waves	5
PHYC-202	Electricity, Magnetism, and Heat	5
PHYC-203	Light, Optics, and Modern Physics	5
PHYC-240	Electricity, Magnetism, and Heat	4
PHYC-241	Light, Optics, and Modern Physics	4
SCI-110	Introduction to Scientific Thought ¹	3

¹ Course does not contain a laboratory component.

² Course is laboratory only.

Area C - Humanities

One humanities course (a minimum of three units) is required.

Code	Title	Units
ASL-120	American Sign Language I	4
ASL-121	American Sign Language II	4
ASL-140	Inside Deaf Culture	3
ASL-220	American Sign Language III	4
ASL-221	American Sign Language IV	4
ARBC-120	Arabic I	5
ARBC-121	Arabic II	5
ARBC-122	Arabic for the Arabic Speaker I	5
ARBC-123	Arabic for the Arabic Speaker II	5
ARBC-148	Language, Culture, and Literature of the Arab World	3
ARBC-220	Arabic III	5
ARBC-221	Arabic IV	5
ARBC-250	Conversational Arabic I	3
ARBC-251	Conversational Arabic II	3
ART-100	Art Appreciation	3
ART-120	Two-Dimensional Design	3
ART-124	Drawing I	3

ART-126	Ceramics I	3	ETHN-236	Chicana/o Literature	3
ART-129	Three-Dimensional Design	3	ETHN-237	American Indian Literature	3
ART-140	Survey of Western Art I: Prehistory Through Middle Ages	3	ETHN-238	Black Literature	3
ART-141	Survey of Western Art II: Renaissance Through Modern	3	FREN-120	French I	5
ART-142	Art of Africa, Oceania and the Americas	3	FREN-121	French II	5
ART-143	Modern Art	3	FREN-152	The French-Speaking World: A Cross- - Cultural Perspective	3
ART-145	Contemporary Art	3	FREN-220	French III	5
ART-146	Asian Art	3	FREN-221	French IV	5
ART-147	American Art	3	FREN-250	Conversational French I	3
ART-171	Introduction to Digital Art	3	FREN-251	Conversational French II	3
CHIN-120	Chinese I	5	GERM-120	German I	5
CHIN-121	Chinese II	5	GERM-121	German II	5
CHIN-220	Chinese III	5	GERM-220	German III	5
CHIN-221	Chinese IV	5	GERM-221	German IV	5
CHIN-250	Conversational Chinese I	3	GERM-250	Conversational German I	3
CHIN-251	Conversational Chinese II	3	GERM-251	Conversational German II	3
COMM-135	Oral Interpretation of Literature	3	HIST-100	Early World History	3
COMM-137	Critical Thinking in Group Communication	3	HIST-101	Modern World History	3
COMM-144	Communication Studies: Race and Ethnicity	3	HIST-103	Twentieth Century World History	3
COMM-145	Argumentation	3	HIST-105	Early Western Civilization	3
DANC-110	Dance History	3	HIST-106	Modern Western Civilization	3
DANC-120	Dance Appreciation	3	HIST-113	American Military History	3
ENGL-122	Introduction to Literature	3	HIST-126	History of Mexico	3
ENGL-126	Introduction to Creative Writing	3	HIST-135	Ancient History of Western Civilization	3
ENGL-134	Creative Nonfiction Writing I	3	HIST-136	Survey of Medieval History	3
ENGL-135	Creative Nonfiction Writing II	3	HIST-137	History of East Asia	3
ENGL-136	Creative Nonfiction Writing III	3	HIST-148	Modern Middle East History	3
ENGL-137	Creative Nonfiction Writing IV	3	HUM-110	Principles of the Humanities	3
ENGL-201	Women, Gender, and Sexuality in Literature	3	HUM-120	European Humanities	3
ENGL-203	Children's Literature	3	HUM-125	Women and Western Culture	3
ENGL-215	Mythology	3	HUM-130	East Asian Humanities	3
ENGL-217	Fantasy and Science Fiction	3	HUM-135	Blues as Literature, History, and Culture	3
ENGL-218	Shakespeare - His Plays and the Theatre of His Time	3	HUM-140	Humanities of the Americas	3
ENGL-219	Views of Death and Dying in Literature	3	HUM-160	Humanities of the Future	3
ENGL-221	British Literature I	3	HUM-170	Modern World Humanities	3
ENGL-222	British Literature II	3	ITAL-120	Italian I	5
ENGL-231	American Literature I	3	ITAL-121	Italian II	5
ENGL-232	American Literature II	3	ITAL-220	Italian III	5
ENGL-236	Chicana/o Literature	3	ITAL-221	Italian IV	5
ENGL-237	American Indian Literature	3	ITAL-250	Conversational Italian I	3
ENGL-238	Black Literature	3	ITAL-251	Conversational Italian II	3
ENGL-277	Literary Theme	3	JAPN-120	Japanese I	5
ESL-115	Exploring U.S. Cultures	6	JAPN-121	Japanese II	5
ETHN-126	Chicano/Chicana and Mexican Art	3	JAPN-149	Japanese Culture and Civilization	3
ETHN-127	La Chicana	3	JAPN-220	Japanese III	5
ETHN-134	Introduction to American Indian Art	3	JAPN-221	Japanese IV	5
ETHN-143	Images of Black Women	3	JAPN-250	Conversational Japanese I	3
ETHN-144	Communication Studies: Race and Ethnicity	3	JAPN-251	Conversational Japanese II	3
			MCOM-111	Introduction to Film Analysis	3
			MUS-110	Great Music Listening	3
			MUS-111	The History of Jazz	3

MUS-115	The History of Rock Music	3
MUS-116	Introduction to World Music	3
MUS-117	Introduction to Music History and Literature	3
MUS-123	History of Hip Hop Culture	3
MUS-189	Multimedia and the Creative Arts	3
PHIL-110	A General Introduction to Philosophy	3
PHIL-111	Philosophy and Popular Culture	3
PHIL-115	History of Philosophy I: Ancient and Medieval	3
PHIL-117	History of Philosophy II: Modern and Contemporary	3
PHIL-140	Problems in Ethics	3
PHIL-141	Bioethics	3
PHIL-145	Social and Political Philosophy	3
PHIL-150	The Philosophy of Art	3
PHIL-155	The Philosophy of Science	3
PHIL-160	Latin American Philosophy	3
PHOT-150	Introduction to Photography	3
PHOT-154	History of Photography	3
RELG-120	World Religions	3
RELG-130	Scriptures of World Religions	3
RELG-140	Religion and Culture	3
RELG-150	Scriptures of India and China	3
RELG-170	Introduction to Christianity	3
RUSS-120	Russian I	5
RUSS-121	Russian II	5
RUSS-220	Russian III	5
RUSS-221	Russian IV	5
RUSS-250	Conversational Russian I	3
RUSS-251	Conversational Russian II	3
SPAN-120	Spanish I	5
SPAN-121	Spanish II	5
SPAN-122	Spanish for the Native Speaker I	5
SPAN-123	Spanish for the Native Speaker II	5
SPAN-141	Spanish and Latin American Cultures	3
SPAN-145	Hispanic Civilizations	3
SPAN-220	Spanish III	5
SPAN-221	Spanish IV	5
SPAN-250	Conversational Spanish I	3
SPAN-251	Conversational Spanish II	3
THTR-101	Introduction to Narrative Theory	3
THTR-110	Introduction to the Theatre	3
THTR-130	Acting I	3
THTR-143	Historic Costume for the Theatre	3
THTR-144	20th Century Fashion and Costume	3
THTR-205	The American Musical on Stage and Screen	3

Area D - Social Sciences

One social science course (a minimum of three units) is required.

Code	Title	Units
AOJ-110	Introduction to Administration of Justice	3
ANTH-120	Cultural Anthropology	3
ANTH-122	Anthropology of Magic, Witchcraft, and Religion	3
ANTH-127	Cultures of Latin America	3
ANTH-140	Introduction to Archaeology	3
CD-115	Changing American Family	3
CD-125	Child Growth and Development	3
CD-131	Child, Family and Community	3
CD-134	Health, Safety and Nutrition of Young Children	3
CD-145	Child Abuse and Family Violence in Our Society	3
CD-153	Teaching in a Diverse Society	3
COMM-124	Intercultural Communication	3
COMM-126	Communication Studies: Health and Wellness	3
COMM-128	Global Communication	3
ECON-110	Economic Issues and Policies	3
ECON-120	Principles of Macroeconomics	3
ECON-121	Principles of Microeconomics	3
ETHN-107	History of Race & Ethnicity in the United States	3
ETHN-114	Introduction to Race & Ethnicity	3
ETHN-115	Introduction to Cultural Competence	3
ETHN-118	U.S. History: Chicano/Chicana Perspectives I	3
ETHN-119	U.S. History: Chicano/Chicana Perspective II	3
ETHN-125	Cross-Cultural Psychology	3
ETHN-128	Introduction to Chicana/o Studies	3
ETHN-130	U.S. History and Cultures: Native American Perspectives I	3
ETHN-135	San Diego County American Indian Tribes	3
ETHN-137	American Indian Culture and Heritage	3
ETHN-138	The History and Cultures of California Indians	3
ETHN-145	Introduction to Black Studies	3
ETHN-160	U.S. History: Asian American and Pacific Island American Perspectives I	3
ETHN-161	U.S. History: Asian American and Pacific Island American Perspectives II	3
ETHN-180	U.S. History: Black Perspectives I	3
ETHN-181	U.S. History: Black Perspectives II	3
FS-115	Changing American Family	3
FS-120	Human Development	3
GEND-116	Introduction to Women's Studies	3
GEND-117	Introduction to LGBTQ Studies	3
GEND-154	Early History of Women in World Civilization	3
GEND-155	Modern History of Women in World Civilization	3
GEOG-100	Introduction to Global Studies	3

GEOG-101	Global Issues	3
GEOG-106	World Regional Geography	3
GEOG-130	Human Geography: The Cultural Landscape	3
GEOG-170	The Geography of California	3
HED-120	Personal Health and Lifestyles	3
HED-201	Introduction to Public Health	3
HIST-107	History of Race & Ethnicity in the United States	3
HIST-108	Early American History	3
HIST-109	Modern American History	3
HIST-114	Comparative History of the Early Americas	3
HIST-115	Comparative History of the Modern Americas	3
HIST-118	U.S. History: Chicano/Chicana Perspectives I	3
HIST-119	U.S. History: Chicano/Chicana Perspectives II	3
HIST-122	Women in Early American History	3
HIST-123	Women in Modern American History	3
HIST-124	History of California	3
HIST-130	U.S. History and Cultures: Native American Perspectives I	3
HIST-131	U.S. History and Cultures: Native American Perspectives II	3
HIST-154	Early History of Women in World Civilization	3
HIST-155	Modern History of Women in World Civilization	3
HIST-160	U.S. History: Asian American and Pacific Island American Perspectives I	3
HIST-161	U.S. History: Asian American and Pacific Island American Perspectives II	3
HIST-180	U.S. History: Black Perspectives I	3
HIST-181	U.S. History: Black Perspectives II	3
MCOM-110	Mass Media and Society	3
MCOM-210	Social Media in the Digital Age	3
MCOM-250	Introduction to Representation in the Media	3
NUTR-155	Introduction to Nutrition	3
NUTR-158	Nutrition for Fitness and Sports	3
NUTR-159	Cultural Aspects of Food and Nutrition	3
POSC-120	Introduction to Politics and Political Analysis	3
POSC-121	Introduction to U.S. Government and Politics	3
POSC-124	Introduction to Comparative Government and Politics	3
POSC-130	Introduction to International Relations	3
POSC-140	Introduction to California Governments and Politics	3
POSC-150	Introduction to Political Theory	3
POSC-160	Politics in Film	3
PSY-120	Introductory Psychology	3
PSY-125	Cross-Cultural Psychology	3
PSY-132	Psychology of Health	3

PSY-134	Human Sexuality	3
PSY-138	Social Psychology	3
PSY-140	Physiological Psychology	3
PSY-170	Abnormal Psychology	3
PSY-220	Learning	3
RELG-165	Religion in America	3
SOC-114	Introduction to Race & Ethnicity	3
SOC-120	Introductory Sociology	3
SOC-125	Marriage, Family, and Alternate Lifestyles	3
SOC-130	Contemporary Social Problems	3
SOC-138	Social Psychology	3
SOC-140	Sex and Gender Across Cultures	3
SOC-150	Latinx Communities in the United States	3

Area E – Fitness/Wellness

Two courses involving physical exercise and/or dance are required. They can only be chosen from the exercise science and/or dance courses listed below:

Code	Title	Units
Dance		
DANC-068	Introduction to Dance	1.5
DANC-071A	Studio Workshop in Tap Dance I	1
DANC-071B	Studio Workshop in Tap Dance II	1
DANC-072A	Studio Workshop in Modern Dance I	1
DANC-072B	Studio Workshop in Modern Dance II	1
DANC-074A	Studio Workshop in Jazz Dance I	1
DANC-074B	Studio Workshop in Jazz Dance II	1
DANC-078A	Studio Workshop in Ballet I	1
DANC-078B	Studio Workshop in Ballet II	1
DANC-080A	Modern I	1.5
DANC-080B	Modern II	1.5
DANC-080C	Modern III	1.5
DANC-080D	Modern IV	1.5
DANC-081A	Tap I	1.5
DANC-081B	Tap II	1.5
DANC-081C	Tap III	1.5
DANC-081D	Tap IV	1.5
DANC-082A	Social and Ballroom Dance I	1.5
DANC-082B	Social and Ballroom Dance II	1.5
DANC-083A	Latin American Dance I	1.5
DANC-083B	Latin American Dance II	1.5
DANC-084A	Jazz I	1.5
DANC-084B	Jazz II	1.5
DANC-084C	Jazz III	1.5
DANC-084D	Jazz IV	1.5
DANC-088A	Ballet I	1.5
DANC-088B	Ballet II	1.5
DANC-088C	Ballet III	1.5
DANC-088D	Ballet IV	1.5
DANC-094A	Hip Hop I	1.5
DANC-094B	Hip Hop II	1.5
DANC-094C	Hip Hop III	1.5

DANC-094D	Hip Hop IV	1.5	ES-024C	Advanced Fitness Boot Camp	1
DANC-099A	Studio Workshop in Pointe I	1	ES-026	Stress Reduction Through Movement and Mindfulness	1
DANC-099B	Studio Workshop in Pointe II	1	ES-027A	Beginning T'ai Chi Ch'uan	1
DANC-099C	Studio Workshop in Pointe III	1	ES-027B	Intermediate T'ai Chi Ch'uan	1
DANC-118A	Pilates I	1.5	ES-027C	Advanced T'ai Chi Ch'uan	1
DANC-118B	Pilates II	1.5	ES-028A	Beginning Yoga	1.5
DANC-118C	Pilates III	1.5	ES-028B	Intermediate Yoga	1.5
DANC-118D	Pilates IV	1.5	ES-028C	Advanced Yoga	1.5
Exercise Science			ES-029	Adapted Yoga	1
ES-001	Adapted Physical Exercise	1	ES-030	Adaptive Aquatic Sports Education	1
ES-002	Advanced Adapted Physical Exercise	1	ES-035	Adapted Swimming Limited	1
ES-003	Adaptive Aerobic Fitness	1	ES-037A	Beginning Springboard Diving	1
ES-004A	Beginning Fitness for the Newcomer	1	ES-037B	Intermediate Springboard Diving	1
ES-004B	Intermediate Fitness for the Newcomer	1	ES-037C	Advanced Springboard Diving	1
ES-004C	Advanced Fitness for the Newcomer	1	ES-039	Swimming for Nonswimmers	1
ES-005A	Beginning Cardio Fitness and Resistance Training	1.5	ES-040A	Beginning Aquatic Fitness	1
ES-005B	Intermediate Cardio Fitness and Resistance Training	1.5	ES-040B	Intermediate Aquatic Fitness	1
ES-005C	Advanced Cardio Fitness and Resistance Training	1.5	ES-040C	Advanced Aquatic Fitness	1
ES-006A	Beginning Fitness Circuit	1	ES-041	Adapted Water Aerobics	1.5
ES-006B	Intermediate Fitness Circuit	1	ES-043A	Beginning Swimming	1
ES-006C	Advanced Fitness Circuit	1	ES-043B	Intermediate Swimming	1
ES-007A	Beginning Aerobic Walking for Fitness and Wellness	1.5	ES-043C	Advanced Swimming	1
ES-007B	Intermediate Aerobic Walking for Fitness and Wellness	1.5	ES-044A	Beginning Lap Swimming for Health and Fitness	1
ES-007C	Advanced Aerobic Walking for Fitness and Wellness	1.5	ES-044B	Intermediate Lap Swimming for Health and Fitness	1
ES-008A	Beginning Indoor Cycling	1	ES-044C	Advanced Lap Swimming for Health and Fitness	1
ES-008B	Intermediate Indoor Cycling	1	ES-060A	Beginning Badminton	1
ES-008C	Advanced Indoor Cycling	1	ES-060B	Intermediate Badminton	1
ES-009A	Beginning Aerobic Dance Exercise	1	ES-060C	Advanced Badminton	1
ES-009B	Intermediate Aerobic Dance Exercise	1	ES-061A	Beginning Pickleball	1
ES-009C	Advanced Aerobic Dance Exercise	1	ES-061B	Intermediate Pickleball	1
ES-016A	Beginning Trail Running	1	ES-061C	Advanced Pickleball	1
ES-016B	Intermediate Trail Running	1	ES-076A	Beginning Tennis	1
ES-016C	Advanced Trail Running	1	ES-076B	Intermediate Tennis	1
ES-017A	Beginning Trail Hiking	1	ES-076C	Advanced Tennis	1
ES-017B	Intermediate Trail Hiking	1	ES-125A	Beginning Golf	1
ES-017C	Advanced Trail Hiking	1	ES-125B	Intermediate Golf	1.5
ES-021A	Beginning Fitness for Chronic Disease And Injury Prevention	1.5	ES-125C	Advanced Golf	1.5
ES-021B	Intermediate Fitness for Chronic Disease And Injury Prevention	1.5	ES-130A	Beginning Gymnastics	1
ES-021C	Advanced Fitness for Chronic Disease and Injury Prevention	1.5	ES-130B	Intermediate Gymnastics	1.5
ES-022	Total Body Conditioning	1	ES-130C	Advanced Gymnastics	1.5
ES-023A	Beginning Resistance Training	1	ES-155A	Beginning Basketball	1
ES-023B	Intermediate Resistance Training	1	ES-155B	Intermediate Basketball	1
ES-023C	Advanced Resistance Training	1	ES-155C	Advanced Basketball	1
ES-024A	Beginning Fitness Boot Camp	1	ES-170A	Beginning Soccer	1
ES-024B	Intermediate Fitness Boot Camp	1	ES-170B	Intermediate Soccer	1
			ES-170C	Advanced Soccer	1
			ES-171A	Beginning Softball	1
			ES-171B	Intermediate Softball	1
			ES-171C	Advanced Softball	1

ES-172A	Beginning Baseball	1
ES-172B	Intermediate Baseball	1
ES-172C	Advanced Baseball	1
ES-175A	Beginning Volleyball	1
ES-175B	Intermediate Volleyball	1
ES-175C	Advanced Volleyball	1
ES-176A	Beginning Beach Volleyball	1
ES-176B	Intermediate Beach Volleyball	1
ES-176C	Advanced Beach Volleyball	1
ES-180	Self-Defense for Women	1
ES-185A	Beginning Fencing	1.5
ES-185B	Intermediate Fencing	1.5
ES-185C	Advanced Fencing	1.5

Sleep Disorders, Diagnostic Procedures, and Treatment Certificate of Proficiency



Certificates of Proficiency are designed for the student who needs to be prepared for effective interaction in a diverse workplace or other settings. A department-issued certificate may be awarded upon successful completion of a prescribed course of study. These certificates will not appear on a student's transcript.

This certificate accompanies the completion of RESP-220 Sleep Disorders, Diagnostic Procedures, and Treatments with a letter grade of "C" or higher. It prepares the student to effectively work in an entry level position in sleep medicine.

Associate Degree Major Requirements

Code	Title	Units
Select one sequence:		
Sequence A.		
BIO-140	Human Anatomy	
BIO-141	Human Physiology	
BIO-141L	Laboratory in Human Physiology	
Sequence B.		
BIO-144	Anatomy and Physiology I	
BIO-145	Anatomy and Physiology II	
BIO-152	Paramedical Microbiology	5
CHEM-115	Fundamentals of Chemistry	4
RESP-105	Cardiopulmonary Physiology and Disease Entities	4
RESP-108	Basic Respiratory Therapy Equipment, Procedures and Life Support Systems	5
RESP-112	Supervised Clinical Practicum I	1
RESP-114	Cardiopulmonary Pharmacology	2
RESP-116	Assessment in Respiratory Care	2.5
RESP-118	Critical Care Life Support Equipment and Procedures	4.5
RESP-122	Supervised Clinical Practicum II	3
RESP-150	Neonatal Pediatric Respiratory Care	3
RESP-201	Cardiopulmonary Pathology and Pathophysiology	4
RESP-205	Professionalism and Career Preparation for Respiratory Therapy	3.5
RESP-208	Invasive and Noninvasive Cardiopulmonary Monitoring	4
RESP-222	Supervised Clinical Practicum III	4
RESP-232	Supervised Clinical Practicum IV	4
RESP-268	Respiratory Therapy Home Care Techniques	1.5
Total Units		63

The Program-level Student Learning Outcomes

Upon completion of this course, our students will be able to do the following:

1. Evaluate results of sleep studies and recommend appropriate treatment.
2. Demonstrate appropriate knowledge of patient preparation for specific sleep studies.

Certificate Requirements

Code	Title	Units
RESP-220	Sleep Disorders, Diagnostic Procedures, and Treatments	4
Total Units		4

Telemetry / ECG Technician Certificate of Achievement



All Allied Health and Nursing students adhere to the graduation requirements outlined in the college catalog for the academic year in which they enter the program.

The Telemetry/ECG Technician Certificate of Achievement is awarded to students who complete both the ECG Technician and Telemetry Technician track courses. Completion of both topics will prepare students with the skills necessary to gain employment as an ECG Technician, Exercise Treadmill Technician, Holter Monitor Technician, Pacemaker Technician, or Telemetry Technician. Students successfully completing the certificate are employable to hospitals and healthcare facilities throughout the country and are encourage to sit for their national registry exams through Cardiovascular Credentialing International.

Code	Title	Units
CVTE-104	Electrocardiographic Theory	3
CVTE-105	Electrocardiographic Technique	2
CVTE-106	Advanced Electrocardiographic Studies	5
CVTE-108	Advanced Cardiac Monitoring	2
Total Units		12

Humanities



- English Associate in Arts and Certificate of Achievement (p. 153)
- English for Transfer Degree (AA-T) (p. 154)
- General Studies AA - Humanities and Fine Arts (p. 155)
- History for Transfer (AA-T) (p. 157)
- Humanities Associate in Art (p. 158)
- Interfaith Religious Literacy Certificate of Achievement (p. 159)
- Philosophy Associate in Arts (p. 160)
- Philosophy for Transfer (AA-T) (p. 160)
- University Studies - Humanities and Fine Arts (AA) (p. 161)

English Associate in Arts and Certificate of Achievement



The English major fulfills lower division requirements at most four-year colleges and universities and thus provides a broadbased foundation for transfer. For particular requirements, transfer students should consult the catalog of the transfer institution for specific requirements.

The study of English gives life-long pleasures to students in exploring and understanding how language works to express human ideas and feelings. English course work also helps people succeed in such diverse fields as teaching, writing, editing, journalism, advertising, public relations, law, insurance, communications, film and video work, politics, business, and medicine.

Career Opportunities

<https://www.grossmont.edu/student-support/career-center/resources.php>

Advertising Manager¹
 Announcer (Radio and TV)
 Clergy Member
 College English Professor¹
 Fiction/Nonfiction Writer
 Foreign Service Officer
 Freelance Writer¹
 Fund Raiser¹
 Media Planner¹
 Reporter¹
 Researcher¹

¹ Bachelor's Degree or higher required.

The Program-level Student Learning Outcomes (PSLOs) below are outcomes that students will achieve after completing specific degree / certificate requirements in this program. Students will:

1. Read a variety of genres and texts critically.
2. Write persuasively in a variety of genres and contexts.
3. Investigate ideas effectively through sound research and writing techniques.
4. Demonstrate an understanding of diverse cultural perspectives.

Associate Degree Major Requirements Core Curriculum

Code	Title	Units
ENGL-120	College Composition and Reading	3-6
or ESL-122	College Rhetoric	
ENGL-122	Introduction to Literature	3
ENGL-124	Advanced Composition: Critical Reasoning and Writing	3
ENGL-126	Introduction to Creative Writing	3
Select two of the following:		6
ENGL-221	British Literature I	
ENGL-222	British Literature II	
ENGL-231	American Literature I	
ENGL-232	American Literature II	
Select one of the following:		3
ENGL-215	Mythology	
ENGL-236	Chicana/o Literature	
or ETHN-236	Chicana/o Literature	
ENGL-237	American Indian Literature	
or ETHN-237	American Indian Literature	
ENGL-238	Black Literature	
or ETHN-238	Black Literature	
Select one of the following:		3
HIST-100	Early World History	
HIST-101	Modern World History	
HIST-105	Early Western Civilization	
HIST-106	Modern Western Civilization	
HUM-120	European Humanities	
HUM-170	Modern World Humanities	
Total Units		24-27

Plus General Education (<https://catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/>) and Elective Requirements

Recommended Electives

Students planning to transfer to four-year institutions to complete a bachelor's degree in English are **strongly** urged to take the following courses, depending on the requirements at those schools.

Code	Title	Units
Two sequential semesters of a single foreign language		10
Total Units		10

Certificate of Achievement

Any student who chooses to complete only those courses required for the above major (i.e., 24 units) qualifies for a Certificate of Achievement

in English. An official request must be filed with the Admissions and Records Office prior to the deadline as stated in the Academic Calendar.

Creative Writing Area of Emphasis

Code	Title	Units
Select six (6) additional units from the following:		6
ENGL-130	Short Fiction Writing I	
ENGL-131	Short Fiction Writing II	
ENGL-132	Short Fiction Writing III	
ENGL-133	Short Fiction Writing IV	
ENGL-134	Creative Nonfiction Writing I	
ENGL-135	Creative Nonfiction Writing II	
ENGL-136	Creative Nonfiction Writing III	
ENGL-137	Creative Nonfiction Writing IV	
ENGL-140	Poetry Writing I	
ENGL-141	Poetry Writing II	
ENGL-142	Poetry Writing III	
ENGL-143	Poetry Writing IV	
ENGL-145	Acorn Review: Editing and Production I	
ENGL-146	Acorn Review: Editing and Production II	
ENGL-147	Acorn Review: Editing and Production III	
ENGL-148	Acorn Review: Editing and Production IV	
ENGL-160	Drama Writing I	
ENGL-161	Drama Writing II	
ENGL-162	Drama Writing III	
ENGL-163	Drama Writing IV	
ENGL-175	Novel Writing I	
ENGL-176	Novel Writing II	
ENGL-177	Novel Writing III	
ENGL-178	Novel Writing IV	
Total Units		6

Plus General Education (<https://catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/>) and Elective Requirements

Certificate of Achievement

Any student who chooses to complete only those courses required for the above major (i.e., 30 units) qualifies for a Certificate of Achievement in English – Creative Writing. An official request must be filed with the Admissions and Records Office prior to the deadline as stated in the Academic Calendar.



Associate Degree
for TransferSM

English for Transfer Degree (AA-T)



The Associate in Arts in English for Transfer (AA-T) degree is designed to facilitate transfer to a California State University in keeping with SB 1440. This degree reflects the Transfer Model Curriculum (TMC) supported by the Statewide Academic Senate. A total of 18-20 units are required to fulfill the major portion of this degree. Students must also complete the California State University (CSU) General Education Breadth requirements or the Intersegmental General Education Transfer Curriculum (IGETC) (see the "General Education Requirements and Transfer Information" section of the catalog). Students planning to transfer to SDSU should consult with a counselor.

The following requirements must be met to be awarded an Associate in Arts in English for Transfer (AA-T) degree:

1. Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
 - a. The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirement.
 - b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0. Students are also required to earn a "C" grade or higher or "Pass" in all courses required for the major.

The discipline of English assists students in appreciating literature and in developing skills in varied forms of communication. The ability to understand and use English effectively is necessary for success in diverse fields such as creative and technical writing, journalism and telecommunications, advertising and marketing, teaching, editing, public relations, law, politics, medicine, and business.

The **Program-level Student Learning Outcomes (PSLOs)** below are outcomes that students will achieve after completing specific degree / certificate requirements in this program. Students will:

1. Understand the uses of language to express ideas in a variety of texts.
2. Develop reading efficiency and appreciation in order to critically engage, analyze, and evaluate multiple genres of texts.
3. Make effective choices that demonstrate their autonomy as expository and/or creative writing.
4. Critically analyze, assess, contextualize, and synthesize sources within their writing.
5. Recognize, appreciate, and evaluate multiple cultural perspectives.
6. Participate in various communities, such as academic, artistic, civic, and professional.

Associate Degree Major Requirements

Code	Title	Units
Required Core		
ENGL-122	Introduction to Literature	3
ENGL-124	Advanced Composition: Critical Reasoning and Writing	3
List A		
Select two of the following:		6
ENGL-221	British Literature I	

ENGL-222	British Literature II
ENGL-231	American Literature I
ENGL-232	American Literature II
ENGL-271	World Literature II
List B	
Select one of the following: 3	
Any course from List A not already used or	
ENGL-126	Introduction to Creative Writing
ENGL-201	Women, Gender, and Sexuality in Literature 1
ENGL-203	Children's Literature
ENGL-217	Fantasy and Science Fiction
List C	
Select one of the following: 3-5	
Any course from List A or List B not already used or	
ENGL-130	Short Fiction Writing I
ENGL-131	Short Fiction Writing II
ENGL-132	Short Fiction Writing III
ENGL-133	Short Fiction Writing IV
ENGL-134	Creative Nonfiction Writing I
ENGL-135	Creative Nonfiction Writing II
ENGL-136	Creative Nonfiction Writing III
ENGL-137	Creative Nonfiction Writing IV
ENGL-140	Poetry Writing I
ENGL-141	Poetry Writing II
ENGL-142	Poetry Writing III
ENGL-143	Poetry Writing IV
ENGL-145	Acorn Review: Editing and Production I
ENGL-146	Acorn Review: Editing and Production II
ENGL-147	Acorn Review: Editing and Production III
ENGL-148	Acorn Review: Editing and Production IV
ENGL-160	Drama Writing I
ENGL-161	Drama Writing II
ENGL-162	Drama Writing III
ENGL-163	Drama Writing IV
ENGL-175	Novel Writing I
ENGL-176	Novel Writing II
ENGL-177	Novel Writing III
ENGL-178	Novel Writing IV
ENGL-215	Mythology ¹
ENGL-218	Shakespeare - His Plays and the Theatre of His Time ¹
ENGL-219	Views of Death and Dying in Literature
ENGL-236	Chicana/o Literature
or ETHN-236	Chicana/o Literature
ENGL-238	Black Literature
or ETHN-238	Black Literature
ENGL-239	Asian American Literature
or ETHN-239	Asian American Literature
ARBC-120	Arabic I
ARBC-121	Arabic II
ARBC-220	Arabic III

ARBC-221	Arabic IV
ASL-120	American Sign Language I
ASL-121	American Sign Language II
ASL-220	American Sign Language III
ASL-221	American Sign Language IV
SPAN-120	Spanish I
SPAN-121	Spanish II
SPAN-220	Spanish III
SPAN-221	Spanish IV
Units for the major 18-20	
Plus General Education Requirements (CSU GE or IGETC) (https://catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/) 37-39	
Total Units	60

Complete transferable units as needed to reach 60.

Students completing IGETC may be awarded the degree, but they must complete a course from Area 1C: Oral Communication to meet CSU admission requirements.

General Studies AA - Humanities and Fine Arts

To meet the General Studies degree requirements, a student must complete the following:

- I. **AA/AS General Education Requirements (see Degree Requirements section of the catalog).**
- II. **Choose a minimum of 18 units. Minimum 3 units from Humanities and 3 units from Fine Arts.**

The remaining units can be taken from either category.

Courses in this emphasis are designed to cultivate intellect, imagination, sensibility and sensitivity. Students will study great works of the human imagination and will examine their own esthetic and creative experience. Awareness and appreciation of humanistic disciplines will be explored and encouraged. Students will be exposed to the study of human culture from a variety of perspectives.

The Program-level Student Learning Outcomes (PSLOs) below are outcomes that students will achieve after completing specific degree/certificate requirements in this program. Students will:

1. Analyze the principle elements of representative examples of art, literature, theater, philosophy, music, dance, film, or other relevant areas of cultural and/or intellectual creativity.
2. Demonstrate an awareness of the historical and philosophical contexts of representative areas, movements, media, works, and/or styles of cultural and/or intellectual creativity.
3. Employ the language, concepts and methods of interpretive criticism as applicable to the respective categories of human creativity.

Humanities

Code	Title	Units
ARBC-120	Arabic I	
ARBC-121	Arabic II	
ARBC-122	Arabic for the Arabic Speaker I	

ARBC-123	Arabic for the Arabic Speaker II	FREN-221	French IV
ARBC-148	Language, Culture, and Literature of the Arab World	FREN-250	Conversational French I
ARBC-220	Arabic III	FREN-251	Conversational French II
ARBC-221	Arabic IV	GERM-120	German I
ARBC-250	Conversational Arabic I	GERM-121	German II
ARBC-251	Conversational Arabic II	GERM-220	German III
ASL-120	American Sign Language I	GERM-221	German IV
ASL-121	American Sign Language II	GERM-250	Conversational German I
ASL-130	American Sign Language: Fingerspelling	GERM-251	Conversational German II
ASL-131	American Sign Language: Fingerspelling II	HIST-100	Early World History
ASL-140	Inside Deaf Culture	HIST-101	Modern World History
ASL-220	American Sign Language III	HIST-103	Twentieth Century World History
ASL-221	American Sign Language IV	HIST-105	Early Western Civilization
CHIN-120	Chinese I	HIST-106	Modern Western Civilization
CHIN-121	Chinese II	HIST-126	History of Mexico
CHIN-220	Chinese III	HIST-135	Ancient History of Western Civilization
CHIN-221	Chinese IV	HIST-136	Survey of Medieval History
CHIN-250	Conversational Chinese I	HIST-137	History of East Asia
CHIN-251	Conversational Chinese II	HIST-148	Modern Middle East History
COMM-124	Intercultural Communication	HUM-110	Principles of the Humanities
COMM-137	Critical Thinking in Group Communication	HUM-120	European Humanities
COMM-144	Communication Studies: Race and Ethnicity	HUM-125	Women and Western Culture
COMM-145	Argumentation	HUM-130	East Asian Humanities
ENGL-122	Introduction to Literature	HUM-135	Blues as Literature, History, and Culture
ENGL-201	Women, Gender, and Sexuality in Literature	HUM-140	Humanities of the Americas
ENGL-215	Mythology	HUM-160	Humanities of the Future
ENGL-217	Fantasy and Science Fiction	HUM-170	Modern World Humanities
ENGL-218	Shakespeare - His Plays and the Theatre of His Time	ITAL-120	Italian I
ENGL-219	Views of Death and Dying in Literature	ITAL-121	Italian II
ENGL-221	British Literature I	ITAL-220	Italian III
ENGL-222	British Literature II	ITAL-221	Italian IV
ENGL-231	American Literature I	ITAL-250	Conversational Italian I
ENGL-232	American Literature II	ITAL-251	Conversational Italian II
ENGL-236	Chicana/o Literature	JAPN-120	Japanese I
ENGL-237	American Indian Literature	JAPN-121	Japanese II
ENGL-238	Black Literature	JAPN-149	Japanese Culture and Civilization
ENGL-239	Asian American Literature	JAPN-220	Japanese III
ENGL-271	World Literature II	JAPN-221	Japanese IV
ETHN-127	La Chicana	JAPN-250	Conversational Japanese I
ETHN-144	Communication Studies: Race and Ethnicity	JAPN-251	Conversational Japanese II
ETHN-236	Chicana/o Literature	PHIL-110	A General Introduction to Philosophy
ETHN-237	American Indian Literature	PHIL-111	Philosophy and Popular Culture
ETHN-238	Black Literature	PHIL-115	History of Philosophy I: Ancient and Medieval
ETHN-239	Asian American Literature	PHIL-117	History of Philosophy II: Modern and Contemporary
FREN-120	French I	PHIL-119	United States' Philosophies
FREN-121	French II	PHIL-120	Asian and Pacific Philosophies
FREN-152	The French-Speaking World: A Cross-Cultural Perspective	PHIL-140	Problems in Ethics
FREN-220	French III	PHIL-141	Bioethics
		PHIL-145	Social and Political Philosophy
		PHIL-150	The Philosophy of Art

PHIL-155	The Philosophy of Science
PHIL-160	Latin American Philosophy
RELG-110	Introduction to the Study of Religion
RELG-120	World Religions
RELG-130	Scriptures of World Religions
RELG-140	Religion and Culture
RELG-150	Scriptures of India and China
RELG-165	Religion in America
RELG-170	Introduction to Christianity
RELG-175	Religion, Government and Politics in America
RUSS-120	Russian I
RUSS-121	Russian II
RUSS-220	Russian III
RUSS-221	Russian IV
RUSS-250	Conversational Russian I
RUSS-251	Conversational Russian II
SPAN-120	Spanish I
SPAN-121	Spanish II
SPAN-122	Spanish for the Native Speaker I
SPAN-123	Spanish for the Native Speaker II
SPAN-141	Spanish and Latin American Cultures
SPAN-145	Hispanic Civilizations
SPAN-220	Spanish III
SPAN-221	Spanish IV
SPAN-250	Conversational Spanish I
SPAN-251	Conversational Spanish II

Fine Arts

Code	Title	Units
ART-100	Art Appreciation	
ART-104	Artists and Designers Today	
ART-106	Introduction to Mural Painting and Design	
ART-119	Color Theory	
ART-120	Two-Dimensional Design	
ART-121	Painting I	
ART-124	Drawing I	
ART-125	Drawing II	
ART-126	Ceramics I	
ART-127	Ceramics II	
ART-129	Three-Dimensional Design	
ART-130	Sculpture I	
ART-131	Jewelry Design I	
ART-132	Jewelry Design II	
ART-140	Survey of Western Art I: Prehistory Through Middle Ages	
ART-141	Survey of Western Art II: Renaissance Through Modern	
ART-142	Art of Africa, Oceania and the Americas	
ART-143	Modern Art	
ART-145	Contemporary Art	
ART-146	Asian Art	

ART-147	American Art
ART-171	Introduction to Digital Art
ART-172	Web and Portfolio Design
ART-210	Introduction to Printmaking
ART-211	Intermediate Printmaking
ART-221	Painting III
ART-222	Painting IV
DANC-110	Dance History
DANC-120	Dance Appreciation
ENGL-126	Introduction to Creative Writing
ETHN-126	Chicano/Chicana and Mexican Art
ETHN-127	La Chicana
ETHN-134	Introduction to American Indian Art
MCOM-111	Introduction to Film Analysis
MUS-110	Great Music Listening
MUS-111	The History of Jazz
MUS-115	The History of Rock Music
MUS-116	Introduction to World Music
MUS-117	Introduction to Music History and Literature
MUS-123	History of Hip Hop Culture
MUS-189	Multimedia and the Creative Arts
PHOT-150	Introduction to Photography
PHOT-151	Personal Photographic Vision
PHOT-154	History of Photography
THTR-101	Introduction to Narrative Theory
THTR-110	Introduction to the Theatre
THTR-130	Acting I
THTR-131	Acting II
THTR-143	Historic Costume for the Theatre
THTR-144	20th Century Fashion and Costume
THTR-205	The American Musical on Stage and Screen



Associate Degree
for TransferSM

History for Transfer (AA-T)



The Associate in Arts in History for Transfer (AA-T) degree is designed to facilitate transfer to a California State University in keeping with SB 1440. This degree reflects the Transfer Model Curriculum (TMC) supported by the statewide Academic Senate. A total of 18 units are required to fulfill the major portion of this degree. Students must also complete the California State University (CSU) General Education Breadth requirements or the Intersegmental General Education Transfer Curriculum (IGETC) (see the "General Education Requirements and Transfer Information" section of the catalog).

History is the study of the human past. As a discipline, history remains a chief foundation within the humanities and social sciences. Its broad and interdisciplinary approach offers many theoretical and practical applications for interpreting and understanding human society. The study of history emphasizes reading, writing, critical thinking, research, thesis formulation, and debate. The history major prepares students to transfer to a four-year institution for continued and advanced study in the field of history or its related disciplines. In turn, a major in history provides knowledge and training for planning careers in history, education, law, archival work, historic sites and museums, library studies, journalism, research, documentary filmmaking, government, non-profit organizations, record and information management.

The following requirements must be met to be awarded an Associate in Arts in History for Transfer (AA-T) degree:

1. Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
 - a. The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirement.
 - b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0. Students are also required to earn a "C" grade or higher or "Pass" in all courses required for the major.

The Program-level Student Learning Outcomes (PSLOs) below are outcomes that students will achieve after completing specific degree / certificate requirements in this program. Students will be able to:

1. Analyze and synthesize primary and secondary source documents in response to an historical thesis or question.
2. Explain relationships between the causes of historical events and their effects.
3. Describe historical actors and events and explain their significance in historical and historiographical context.

Associate Major Degree Requirements

Code	Title	Units
Required Core		
HIST-108	Early American History	3
HIST-109	Modern American History	3
List A		
Select two of the following:		6
HIST-100 or HIST-105	Early World History Early Western Civilization	
HIST-101 or HIST-106	Modern World History Modern Western Civilization	
List B		
Select one (1) course from Group B1 and one (1) course from Group B2		6
B1		
HIST-103	Twentieth Century World History	
HIST-114	Comparative History of the Early Americas	
HIST-115	Comparative History of the Modern Americas	

HIST-118 or ETHN-118	U.S. History: Chicano/Chicana Perspectives I U.S. History: Chicano/Chicana Perspectives I
HIST-119 or ETHN-119	U.S. History: Chicano/Chicana Perspectives II U.S. History: Chicano/Chicana Perspective II
HIST-122	Women in Early American History
HIST-123	Women in Modern American History
HIST-130 or ETHN-130	U.S. History and Cultures: Native American Perspectives I U.S. History and Cultures: Native American Perspectives I
HIST-131 or ETHN-131	U.S. History and Cultures: Native American Perspectives II U.S. History and Cultures: Native American Perspectives II
HIST-137	History of East Asia
HIST-148	Modern Middle East History
HIST-154 or GEND-154	Early History of Women in World Civilization Early History of Women in World Civilization
HIST-155 or GEND-155	Modern History of Women in World Civilization Modern History of Women in World Civilization
HIST-180 or ETHN-180	U.S. History: Black Perspectives I U.S. History: Black Perspectives I
HIST-181 or ETHN-181	U.S. History: Black Perspectives II U.S. History: Black Perspectives II
Group B2	
Select one (1) course not already used in the Required Core or List A	
HIST-113	American Military History
HIST-124	History of California
HIST-126	History of Mexico
HIST-135	Ancient History of Western Civilization
HIST-136	Survey of Medieval History

Units for the major	18
Plus General Education Requirements (CSU GE or IGETC) (https://catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/)	37-39
Total Units	60

Complete transferable units as needed to reach 60.

Students completing IGETC may be awarded the degree, but they must complete a course from Area 1C: Oral Communication to meet CSU admission requirements.

Humanities Associate in Art



The study of Humanities provides students with wide-ranging exposure to present and past human cultures through formal analysis and historic

contextualization of the written word, the artifact, and contemporary media. The program examines both Western and non-Western traditions in areas including, but not limited to, theater, the visual arts, photography, film, architecture, archaeology, science and technology, literature, philosophy, religion, and music. The degree exposes students to a breadth of skills and knowledge beneficial for a continuing education in the liberal arts while providing a foundation for lifelong learning through critical thinking and personal expression in both written and oral communication. The knowledge and skills imparted by the degree prepare students to complement further study within such fields as the arts, history, humanities, literature, communication, languages, English, music, religious studies, law, public service, business, diplomacy, and politics.

The Program-level Student Learning Outcomes (PSLOs) below are outcomes that students will achieve after completing specific degree/certificate requirements in this program. Students will:

1. Analyze the study of human culture from a variety of perspectives.
2. Examine their own aesthetic and creative experience.
3. Develop an awareness and appreciation of humanistic disciplines.

Associate Degree Major Requirements:

Code	Title	Units
HUM-110	Principles of the Humanities	3
HUM-120	European Humanities	3
HUM-170	Modern World Humanities	3
Select two of the following:		6
HUM-125	Women and Western Culture	
HUM-130	East Asian Humanities	
HUM-135	Blues as Literature, History, and Culture	
HUM-140	Humanities of the Americas	
HUM-160	Humanities of the Future	
Select three of the following:		9
ANTH-120	Cultural Anthropology	
ANTH-130	Introduction to Biological Anthropology	
ART-140	Survey of Western Art I: Prehistory Through Middle Ages	
ART-141	Survey of Western Art II: Renaissance Through Modern	
ART-142	Art of Africa, Oceania and the Americas	
ART-143	Modern Art	
ART-145	Contemporary Art	
ART-146	Asian Art	
ART-147	American Art	
ENGL-221	British Literature I	
ENGL-231	American Literature I	
ETHN-134	Introduction to American Indian Art	
GEOG-130	Human Geography: The Cultural Landscape	
MUS-116	Introduction to World Music	
MUS-117	Introduction to Music History and Literature	
PHOT-154	History of Photography	
PSY-138	Social Psychology	

or SOC-138 Social Psychology

Total Units

24

Plus General Education (<https://catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/>) and Elective Requirements

Interfaith Religious Literacy Certificate of Achievement



The Interfaith Religious Literacy Certificate provides student an in-depth understanding of religion and how it influences individuals, cultures, and societies. It also introduces students to the beliefs, texts and practices of the major world religious traditions. This certificate will prepare students to work closely with religiously diverse populations, especially those planning to enter careers in education, healthcare, social work, politics, HR, hospitality/tourism, business or international relations.

The Program-level Student Learning Outcomes (PSLOs) below are outcomes that students will achieve after completing specific certificate requirements in this program. Students will:

1. Gain an understanding of what religion is and how it influences individuals, societies, cultures and political systems.
2. Gain a basic understanding of the beliefs, texts and practices of the major religious traditions of the world.
3. Be prepared to work in careers that require working with a religiously diverse population, such as education, healthcare, politics, business, social work or international relations.
4. Gain a sensitivity to the particular concerns of religiously diverse societies.

Certificate of Achievement Requirements:

Code	Title	Units
RELG-110	Introduction to the Study of Religion	3
List A		3
Select one of the following:		
RELG-120	World Religions	
RELG-130	Scriptures of World Religions	
List B		3
Select one of the following:		
RELG-140	Religion and Culture	
RELG-150	Scriptures of India and China	
RELG-165	Religion in America	
RELG-170	Introduction to Christianity	
RELG-175	Religion, Government and Politics in America	

Total Units

9

Philosophy Associate in Arts



Philosophy is arguably the oldest intellectual discipline, and yet remains one of the most relevant. Philosophers critically question the foundations of past and contemporary world views. In our discipline, we study the views of Plato, Confucius, Ibn Sina, Aquinas, Sor Juana, Kant, Octavio Paz, Nietzsche, Simone de Beauvoir, Einstein, and Cornell West, to name just a few. Each of these intellectual giants establishes a new framework from which to assess our own realities, values, and experiences. This major not only provides a solid, diverse, and inclusive background for transfer to four-year institutions, but also satisfies those who find common, everyday answers lacking. Those who believe the unexamined life is not worth living will gain much from the study of Philosophy as its study is transformative. Additionally, the degree prepares students for a surprisingly wide array of careers.

Career Opportunities

<https://www.grossmont.edu/student-support/career-center/resources.php>

Analyst¹
 Archivist¹
 Biographer¹
 College Administrator¹
 Consultant
 Cultural Affairs Officer¹
 Ethicist
 Etymologist¹
 Insurance Agent / Broker
 Journalist
 Lawyer¹
 Librarian¹
 Marketing Manager
 Manuscript Reader
 Philosopher
 Policy Analyst
 Reporter
 Sales Representative
 Philologist¹
 Teacher / Professor¹
 Writer

¹ Bachelor's Degree or higher required.

The Program-level Student Learning Outcomes (PSLOs) below are outcomes that students will achieve after completing specific degree / certificate requirements in this program. Students will:

1. Recall, explain, and locate theories and concepts into philosophical traditions, eras, and modes of inquiry; and
2. Analyze individual and institutional belief systems, including one's or their own, to evaluate philosophical assumptions about truth, ontology, values, reasoning, and methodology; and
3. Utilize those evaluations in the creation of revised justified beliefs; and

4. Apply philosophical methodologies to everyday encounters and inquiries.

Associate Degree Major Requirements

Code	Title	Units
PHIL-110	A General Introduction to Philosophy	3
PHIL-145	Social and Political Philosophy	3
Select one of the following:		3
PHIL-115	History of Philosophy I: Ancient and Medieval	
PHIL-117	History of Philosophy II: Modern and Contemporary	
Select two of the following:		6
Any course from above not already used or		
PHIL-119	United States' Philosophies	
PHIL-120	Asian and Pacific Philosophies	
PHIL-160	Latin American Philosophy	
Select two of the following:		6
Any course from above not already used or		
PHIL-111	Philosophy and Popular Culture	
PHIL-140	Problems in Ethics	
PHIL-141	Bioethics	
PHIL-150	The Philosophy of Art	
PHIL-155	The Philosophy of Science	
Total Units		21

Plus General Education (<https://catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/>) and Elective Requirements

¹ Recommended for students planning to major in philosophy at a university.



Associate Degree
for TransferSM

Philosophy for Transfer (AA-T)



The Associate in Arts in Philosophy for Transfer (AA-T) degree is designed to facilitate transfer to a California State University in keeping with SB1440. A total of 18 units are required to fulfill the major portion of this degree. This degree reflects the Transfer Model Curriculum (TMC) supported by the statewide Academic Senate. Students must also complete the California State University (CSU) General Education Breadth requirements or the Intersegmental General Education Transfer Curriculum (IGETC) (see the "General Education Requirements and Transfer Information" section of the catalog). A student may apply for this degree in conjunction with an Associate in Arts in Philosophy degree provided the courses taken meet the requirements of both degrees. Students should speak with a Counselor to verify that the

requirements for either or both degrees have been met. In addition, students planning to transfer to SDSU or UCSD should consult with a counselor or Philosophy faculty member.

The following requirements must be met to be awarded an Associate in Arts in Philosophy for Transfer (AA-T) degree:

1. Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
 - a. The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirement.
 - b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0. Students are also required to earn a "C" grade or higher or "Pass" in all courses required for the major.

The Associate in Arts in Philosophy for Transfer (AA-T) degree provides a solid background for students wishing to continue their study of Philosophy at university. The courses included in the AA-T range from the history of Philosophy to critical reasoning and writing, logical theory, contemporary ethics, and a strong offering of courses and curriculum from diverse traditions.

The Program-level Student Learning Outcomes (PSLOs) below are outcomes that students will achieve after completing specific degree requirements in this program.

Students will:

1. Recall, explain, and locate theories and concepts into philosophical traditions, eras, and modes of inquiry; and
2. Analyze individual and institutional belief systems, including one's or their own, to evaluate philosophical assumptions about truth, ontology, values, reasoning, and methodology; and
3. Utilize those evaluations in the creation of revised justified beliefs; and
4. Apply philosophical methodologies to everyday encounters and inquiries.

Associate Degree Major Requirements

Code	Title	Units
Required Core		
Select two of the following:		6
PHIL-130	Logic	
PHIL-110	A General Introduction to Philosophy	
PHIL-140	Problems in Ethics	
List A		
Select one of the following:		3
Any course from the Required Core not already used		
PHIL-115	History of Philosophy I: Ancient and Medieval	
PHIL-117	History of Philosophy II: Modern and Contemporary	
List B		
Select two of the following:		6

Any course from List A not already used	
PHIL-125	Critical Thinking
PHIL-145	Social and Political Philosophy
List C	
Select one of the following:	
3	
Any course from List A or B not already used	
PHIL-111	Philosophy and Popular Culture
PHIL-120	Asian and Pacific Philosophies
PHIL-141	Bioethics
PHIL-150	The Philosophy of Art
PHIL-155	The Philosophy of Science
PHIL-160	Latin American Philosophy
Units in the major	18
Plus General Education Requirements (CSU GE or IGETC) (https://catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/)	
Total Units	60

Complete transferable units as needed to reach 60.

Students completing IGETC may be awarded the degree, but they must complete a course from Area 1C: Oral Communication to meet CSU admission requirements.

University Studies - Humanities and Fine Arts (AA)

The Associate Degree in University Studies is intended to accommodate the differing requirements of a wide variety of transfer institutions and major options. Because admission and major preparation requirements vary at each four-year transfer institution, courses used to complete this degree should be selected with the assistance of a counselor.

The completion of the University Studies Degree does not guarantee acceptance into either a baccalaureate major or a four-year institution.

Requirements

- I. **California State University (CSU) General Education Breadth**
 1. Complete CSU General Education Breadth (see Transfer Information and Degree Requirements in college catalog).
 2. Earn a grade of "C" or higher or "Pass" for all courses in Area A and the Mathematical/Quantitative Reasoning courses in Area B.
 3. Complete a minimum of 18 units (listed below) with a "C" grade or higher or "Pass".
 4. Complete a minimum of 60 degree applicable CSU transferable semester units. (All courses included in each area of emphasis are CSU transferable.)
 5. Earn a cumulative GPA of 2.0 in all college coursework completed.
 6. Meet Grossmont College residence requirements for graduation (see Degree Requirements in college catalog).
 7. Students pursuing a University Studies degree in Mathematics and Natural Science and Computer Science are eligible to use CSU for STEM to fulfill the general education requirements of this degree.
- or**

II. Intersegmental General Education Transfer Curriculum (IGETC) for CSU or UC

1. Complete IGETC Certification (see Transfer Information and Degree Requirements in college catalog).
2. Earn a grade of "C" or higher or "Pass" in all IGETC courses.
3. Complete a minimum of 18 units (listed below) with a "C" grade or higher or "Pass".
4. Complete a minimum of 60 degree applicable UC transferable semester.
Courses that are non-UC transferable are indicated by (*).
Additional UC transferable units may be chosen as electives.
5. Earn a cumulative GPA of 2.0 in all college coursework completed.
6. Meet Grossmont College residence requirements for graduation (see Degree Requirements in college catalog).
7. Students pursuing a University Studies degree in Mathematics and Natural Science and Computer Science are eligible to use IGETC for STEM to fulfill the general education requirements of this degree.

While 18 units are required in a specific area to meet the requirements of the degree, it is strongly recommended that as many lower division preparation for the major courses as possible be completed at the community college prior to transfer. Cross-listed courses receive credit for only one course. Some baccalaureate majors and four-year institutions require a higher GPA than is necessary for the Associate Degree. Completion of the University Studies Degree does not guarantee admission to a four-year institution.

The Program-level Student Learning Outcomes (PSLOs) are outcomes that students who complete a degree/certificate in this program will be able to achieve upon degree/certificate completion. The PSLOs for the University Studies degree in **Humanities and Fine Arts** are:

1. Analyze the principle elements of representative examples of art, literature, theater, philosophy, music, dance, film, or other relevant areas of cultural and/or intellectual creativity.
2. Demonstrate an awareness of the historical and philosophical contexts of representative areas, movements, media, works, and/or styles of cultural and/or intellectual creativity.
3. Employ the language, concepts and methods of interpretive criticism as applicable to the respective categories of human creativity.

Courses in this major relate to the study of cultural, humanistic activities, and artistic expression of human beings. Students evaluate and interpret the ways in which people through the ages in different cultures have responded to themselves and the world around them through artistic and cultural creation. Students develop an aesthetic awareness and incorporate these concepts when constructing value judgments.

Students completing this area may be interested in the following baccalaureate majors: art, dance, humanities, music, musical theatre, photography, philosophy, religious studies, and theatre arts. **Students must complete a minimum of three units, or one course, in Humanities and three units, or one course, in Fine Arts. The remaining units may be taken from either category.**

Humanities

Code	Title	Units
ARBC-120	Arabic I	
ARBC-121	Arabic II	
ARBC-122	Arabic for the Arabic Speaker I	

ARBC-123	Arabic for the Arabic Speaker II
ARBC-148	Language, Culture, and Literature of the Arab World
ARBC-220	Arabic III
ARBC-221	Arabic IV
ARBC-250	Conversational Arabic I
ARBC-251	Conversational Arabic II
ASL-120	American Sign Language I
ASL-121	American Sign Language II
ASL-140	Inside Deaf Culture
ASL-220	American Sign Language III
ASL-221	American Sign Language IV
CHIN-120	Chinese I
CHIN-121	Chinese II
CHIN-220	Chinese III
CHIN-221	Chinese IV
CHIN-250	Conversational Chinese I
CHIN-251	Conversational Chinese II
ENGL-122	Introduction to Literature
ENGL-201	Women, Gender, and Sexuality in Literature
ENGL-215	Mythology
ENGL-217	Fantasy and Science Fiction
ENGL-218	Shakespeare - His Plays and the Theatre of His Time
ENGL-219	Views of Death and Dying in Literature
ENGL-221	British Literature I
ENGL-222	British Literature II
ENGL-231	American Literature I
ENGL-232	American Literature II
ENGL-236	Chicana/o Literature
ENGL-237	American Indian Literature
ENGL-238	Black Literature
ENGL-239	Asian American Literature ¹
ENGL-271	World Literature II ¹
ETHN-127	La Chicana
ETHN-135	San Diego County American Indian Tribes
ETHN-145	Introduction to Black Studies
ETHN-236	Chicana/o Literature
ETHN-237	American Indian Literature
ETHN-238	Black Literature
ETHN-239	Asian American Literature ¹
FREN-120	French I
FREN-121	French II
FREN-152	The French-Speaking World: A Cross-Cultural Perspective
FREN-220	French III
FREN-221	French IV
FREN-250	Conversational French I
FREN-251	Conversational French II
GERM-120	German I
GERM-121	German II
GERM-220	German III
GERM-221	German IV

GERM-250	Conversational German I
GERM-251	Conversational German II
HIST-100	Early World History
HIST-101	Modern World History
HIST-103	Twentieth Century World History
HIST-105	Early Western Civilization
HIST-106	Modern Western Civilization
HIST-126	History of Mexico
HIST-135	Ancient History of Western Civilization
HIST-136	Survey of Medieval History
HIST-137	History of East Asia
HIST-148	Modern Middle East History
HUM-110	Principles of the Humanities
HUM-120	European Humanities
HUM-125	Women and Western Culture
HUM-130	East Asian Humanities
HUM-135	Blues as Literature, History, and Culture
HUM-140	Humanities of the Americas
HUM-160	Humanities of the Future
HUM-170	Modern World Humanities
ITAL-120	Italian I
ITAL-121	Italian II
ITAL-220	Italian III
ITAL-221	Italian IV
ITAL-250	Conversational Italian I
ITAL-251	Conversational Italian II
JAPN-120	Japanese I
JAPN-121	Japanese II
JAPN-149	Japanese Culture and Civilization
JAPN-220	Japanese III
JAPN-221	Japanese IV
JAPN-250	Conversational Japanese I
JAPN-251	Conversational Japanese II
PHIL-110	A General Introduction to Philosophy
PHIL-111	Philosophy and Popular Culture
PHIL-115	History of Philosophy I: Ancient and Medieval
PHIL-117	History of Philosophy II: Modern and Contemporary
PHIL-119	United States' Philosophies ¹
PHIL-120	Asian and Pacific Philosophies ¹
PHIL-125	Critical Thinking
PHIL-130	Logic
PHIL-140	Problems in Ethics
PHIL-141	Bioethics
PHIL-145	Social and Political Philosophy
PHIL-150	The Philosophy of Art
PHIL-155	The Philosophy of Science
PHIL-160	Latin American Philosophy
RELG-110	Introduction to the Study of Religion ¹
RELG-120	World Religions
RELG-130	Scriptures of World Religions

RELG-140	Religion and Culture
RELG-150	Scriptures of India and China
RELG-165	Religion in America ¹
RELG-170	Introduction to Christianity
RELG-175	Religion, Government and Politics in America ¹
RUSS-120	Russian I
RUSS-121	Russian II
RUSS-220	Russian III
RUSS-221	Russian IV
RUSS-250	Conversational Russian I
RUSS-251	Conversational Russian II
SPAN-120	Spanish I
SPAN-121	Spanish II
SPAN-122	Spanish for the Native Speaker I
SPAN-123	Spanish for the Native Speaker II
SPAN-141	Spanish and Latin American Cultures
SPAN-145	Hispanic Civilizations ¹
SPAN-220	Spanish III
SPAN-221	Spanish IV
SPAN-250	Conversational Spanish I
SPAN-251	Conversational Spanish II

¹ Non-UC transferable course.

Fine Arts

Code	Title	Units
ART-100	Art Appreciation	
ART-104	Artists and Designers Today ¹	
ART-106	Introduction to Mural Painting and Design	
ART-119	Color Theory	
ART-120	Two-Dimensional Design	
ART-121	Painting I	
ART-124	Drawing I	
ART-125	Drawing II	
ART-126	Ceramics I	
ART-127	Ceramics II	
ART-128	Ceramics III	
ART-129	Three-Dimensional Design	
ART-130	Sculpture I	
ART-131	Jewelry Design I ¹	
ART-132	Jewelry Design II ¹	
ART-133	Metalsmithing & Casting ¹	
ART-140	Survey of Western Art I: Prehistory Through Middle Ages	
ART-141	Survey of Western Art II: Renaissance Through Modern	
ART-142	Art of Africa, Oceania and the Americas	
ART-143	Modern Art	
ART-145	Contemporary Art	
ART-146	Asian Art	
ART-147	American Art	
ART-172	Web and Portfolio Design	

ART-210	Introduction to Printmaking	MUS-124	Classical Guitar I
ART-211	Intermediate Printmaking ¹	MUS-125	Classical Guitar II
ART-221	Painting III	MUS-126	Class Guitar I
ART-222	Painting IV	MUS-127	Class Guitar II
DANC-068	Introduction to Dance	MUS-128	Music Theory for Guitar I
DANC-071A	Studio Workshop in Tap Dance I	MUS-129	Music Theory for Guitar II
DANC-071B	Studio Workshop in Tap Dance II	MUS-130	Beginning Bass Guitar
DANC-072A	Studio Workshop in Modern Dance I	MUS-132	Class Piano I
DANC-072B	Studio Workshop in Modern Dance II	MUS-133	Class Piano II
DANC-080A	Modern I	MUS-134	Jazz and Pop Piano I
DANC-080B	Modern II	MUS-135	Jazz and Pop Piano II
DANC-080C	Modern III	MUS-138	Grossmont Master Chorale
DANC-080D	Modern IV	MUS-139	Grossmont Master Chorale
DANC-081A	Tap I	MUS-140	String Orchestra ¹
DANC-081B	Tap II	MUS-141	String Orchestra ¹
DANC-081C	Tap III	MUS-148	Classical Guitar Ensemble
DANC-081D	Tap IV	MUS-149	Classical Guitar Ensemble
DANC-082A	Social and Ballroom Dance I	MUS-150	Grossmont Symphony Orchestra
DANC-082B	Social and Ballroom Dance II	MUS-151	Grossmont Symphony Orchestra
DANC-084A	Jazz I	MUS-152	Concert Band
DANC-084B	Jazz II	MUS-153	Concert Band
DANC-084C	Jazz III	MUS-154	Afro-Cuban Ensemble
DANC-084D	Jazz IV	MUS-155	Afro-Cuban Ensemble
DANC-088A	Ballet I	MUS-156	Jazz Ensemble
DANC-088B	Ballet II	MUS-157	Jazz Ensemble
DANC-088C	Ballet III	MUS-160	Introduction to Afro-Cuban Percussion ¹
DANC-088D	Ballet IV	MUS-164	Musical Theatre Orchestra
DANC-094A	Hip Hop I	MUS-165	Musical Theatre Orchestra
DANC-094B	Hip Hop II	MUS-166	Jazz Vocal Ensemble
DANC-094C	Hip Hop III	MUS-167	Jazz Vocal Ensemble
DANC-094D	Hip Hop IV	MUS-168	Jazz Combo Performance I
DANC-099A	Studio Workshop in Pointe I	MUS-169	Jazz Combo Performance II
DANC-099B	Studio Workshop in Pointe II	MUS-170	Class Voice
DANC-099C	Studio Workshop in Pointe III	MUS-171	Class Voice
DANC-110	Dance History	MUS-180	Modern Drumset Technique I
DANC-120	Dance Appreciation ¹	MUS-181	Modern Drumset Technique II
DANC-205	Choreography I	MUS-189	Multimedia and the Creative Arts
DANC-206	Choreography II	MUS-190	Performance Studies
ETHN-126	Chicano/Chicana and Mexican Art	MUS-191	Performance Studies
ETHN-127	La Chicana	MUS-201	Jazz Improvisation III
ETHN-134	Introduction to American Indian Art	MUS-202	Jazz Improvisation IV
MUS-101	Jazz Improvisation I	MUS-203	Jazz Piano III
MUS-102	Jazz Improvisation II	MUS-204	Jazz Piano IV
MUS-105	Music Theory and Practice I	MUS-205	Music Theory and Practice III
MUS-106	Music Theory and Practice II	MUS-206	Music Theory and Practice IV
MUS-110	Great Music Listening	MUS-210	Elements of Jazz I
MUS-111	The History of Jazz	MUS-211	Elements of Jazz II
MUS-115	The History of Rock Music	MUS-212	Piano III
MUS-116	Introduction to World Music	MUS-213	Piano IV
MUS-117	Introduction to Music History and Literature	MUS-224	Classical Guitar III
MUS-123	History of Hip Hop Culture	MUS-226	Class Guitar III
		MUS-232	Class Piano III

MUS-233	Class Piano IV	THTR-113D	Rehearsal and Performance: Production Crew IV
MUS-238	Grossmont Master Chorale	THTR-115	Voice and Movement for the Stage
MUS-239	Grossmont Master Chorale	THTR-119A	Theatre Mime I
MUS-240	String Orchestra	THTR-119B	Theatre Mime II
MUS-241	String Orchestra ¹	THTR-122A	Theatre Workshop Laboratory: Acting I
MUS-248	Classical Guitar Ensemble	THTR-122B	Theatre Workshop Laboratory: Acting II
MUS-249	Classical Guitar Ensemble	THTR-122C	Theatre Workshop Laboratory: Acting III
MUS-250	Grossmont Symphony Orchestra	THTR-122D	Theatre Workshop Laboratory: Acting IV
MUS-251	Grossmont Symphony Orchestra	THTR-123A	Theatre Workshop Laboratory: Construction I
MUS-252	Concert Band	THTR-123B	Theatre Workshop Laboratory: Construction II
MUS-253	Concert Band	THTR-123C	Theatre Workshop Laboratory: Construction III
MUS-254	Afro-Cuban Ensemble	THTR-123D	Theatre Workshop Laboratory: Construction IV
MUS-255	Afro-Cuban Ensemble	THTR-124A	Theatre Workshop Laboratory: Production Crew I
MUS-256	Jazz Ensemble	THTR-124B	Theatre Workshop Laboratory: Production Crew II
MUS-257	Jazz Ensemble	THTR-124C	Theatre Workshop Laboratory: Production Crew III
MUS-264	Musical Theatre Orchestra	THTR-124D	Theatre Workshop Laboratory: Production Crew IV
MUS-265	Musical Theatre Orchestra	THTR-130	Acting I
MUS-266	Jazz Vocal Ensemble	THTR-131	Acting II
MUS-267	Jazz Vocal Ensemble	THTR-134A	Fundamentals of Costume Design and Construction I
MUS-268	Jazz Combo Performance III	THTR-134B	Fundamentals of Costume Design and Construction II
MUS-269	Jazz Combo Performance IV	THTR-136	Theatre Makeup I
MUS-270	Class Voice	THTR-137	Theatre Makeup II
MUS-271	Class Voice	THTR-143	Historic Costume for the Theatre
MUS-290	Performance Studies	THTR-144	20th Century Fashion and Costume
MUS-291	Performance Studies	THTR-145	Arena Theatre Production I
PHOT-150	Introduction to Photography	THTR-146	Arena Theatre Production II
PHOT-151	Personal Photographic Vision	THTR-147	Arena Theatre Production III
PHOT-152	Contemporary Photographic Practice ¹	THTR-148	Arena Theatre Production IV
PHOT-154	History of Photography	THTR-155	Stagecrafts
THTR-101	Introduction to Narrative Theory	THTR-156	Fundamentals of Scenic Design
THTR-102A	Theatre Production Practicum: Costumes I	THTR-157	Fundamentals of Stage Lighting and Sound
THTR-103A	Theatre Production Practicum: Sets I	THTR-205	The American Musical on Stage and Screen
THTR-104A	Theatre Production Practicum: Lighting/Sound I	THTR-207	Techniques of Directing I
THTR-110	Introduction to the Theatre	THTR-208	Techniques of Directing II
THTR-111A	Rehearsal and Performance: Acting I	THTR-230	Acting III
THTR-111B	Rehearsal and Performance: Acting II	THTR-234A	Fundamentals of Musical Theatre - Performance I
THTR-111C	Rehearsal and Performance: Acting III	THTR-234B	Fundamentals of Musical Theatre - Performance II
THTR-111D	Rehearsal and Performance: Acting IV	THTR-235A	Fundamentals of Musical Theatre - Scene/Song I
THTR-112A	Rehearsal and Performance: Stage Management I	THTR-235B	Fundamentals of Musical Theatre - Scene/Song II
THTR-112B	Rehearsal and Performance: Stage Management II		
THTR-112C	Rehearsal and Performance: Stage Management III		
THTR-112D	Rehearsal and Performance: Stage Management IV		
THTR-113A	Rehearsal and Performance: Production Crew I		
THTR-113B	Rehearsal and Performance: Production Crew II		
THTR-113C	Rehearsal and Performance: Production Crew III		

THTR-254A	Advanced Design I
THTR-254B	Advanced Design II

¹ Non-UC transferable course.

Language and Communication



- American Sign Language Associate in Arts and Certificate of Achievement (p. 167)
- Arabic Associate in Arts and Certificate of Achievement (p. 167)
- Basic Arabic for Healthcare Professionals Certificate of Proficiency (p. 168)
- Communication Associate in Arts (p. 168)
- Communication Studies for Transfer (AA-T) (p. 169)
- Communication Studies for Transfer 2.0 (AA-T) (p. 170)
- French Associate in Arts and Certificate of Achievement (p. 171)
- German Associate in Arts and Certificate of Achievement (p. 171)
- Japanese Associate in Arts (p. 172)
- Journalism for Transfer (AA-T) (p. 172)
- Media Communications Associate in Science and Certificate of Achievement (p. 173)
- Russian Associate in Arts and Certificate of Achievement (p. 175)
- Spanish Associate in Arts and Certificate of Achievement (p. 175)
- Spanish for Transfer (AA-T) (p. 176)
- University Studies - Communication and Language Arts (AA) (p. 177)

- Court
- Educational
- Foreign Broadcast
- Legal
- Literacy
- Medical
- Program Coordinator
- Rehabilitation Counselor
- Teacher

The Program-level Student Learning Outcomes (PSLOs) below are outcomes that students will achieve after completing specific degree / certificate requirements in this program Students will:

1. Converse fluently in ASL with peers both hearing and Deaf by applying the language in conversations, ASL storytelling, or narratives
2. Understand the grammar structures of ASL and apply them in dialogues
3. Demonstrate knowledge of the Deaf culture heritage and Deaf values through presentations, papers, and written exams
4. Demonstrate knowledge of local and national resources for Deaf, hard of hearing, and late Deafened adults through presentations, papers, exams, or group demonstrations
5. Demonstrate an awareness how to work with Deaf people in a variety of settings through community service learning

Associate Degree Major Requirements

Code	Title	Units
ASL-120	American Sign Language I	4
ASL-121	American Sign Language II	4
ASL-130	American Sign Language: Fingerspelling	3
ASL-131	American Sign Language: Fingerspelling II	3
ASL-140	Inside Deaf Culture	3
ASL-220	American Sign Language III	4
ASL-221	American Sign Language IV	4
PSY-120	Introductory Psychology	3
Total Units		28

Plus General Education (<https://catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/>) and Elective Requirements

Certificate of Achievement

Any student who chooses to complete only the courses required for the above major qualifies for a certificate of Achievement in American Sign Language An official request from the student must be filed with the Admissions and Records Office prior to the deadline stated in the yearly calendar which is listed in the class schedule and catalog.

Arabic Associate in Arts and Certificate of Achievement



American Sign Language Associate in Arts and Certificate of Achievement



The ASL degree is designed for students to acquire advanced expressive and receptive signing skills It also gives students greater awareness of the Deaf culture and Deaf community This degree is meant for the student who wants to work with Deaf people Communicating in sign language and understanding Deafness is critical in any career where one works with Deaf and hard of hearing people The emphasis is on paraprofessional vocations such as teacher's aid, child care worker, etc Students completing the ASL degree may wish to transfer to a four year institution or continue their studies in interpreting

Career Opportunities

<https://www.grossmont.edu/student-support/career-center/resources.php>

- Case Worker
- Certified Translator
- Certified Terminologist
- Education Counselor
- Interpreter
 - ASL (American Sign Language)
 - Certified
 - Conference

This program is designed to provide students with skills in understanding, speaking, reading, and writing Arabic. It also gives students a greater understanding of Arabic culture and civilization and prepares them for greater international and domestic career opportunities. For the suggested sequence of courses to be taken, and/or for assistance in transferring to a four-year institution, students should consult the Counseling Center or the Department of World Languages.

Career Opportunities

<https://www.grossmont.edu/student-support/career-center/resources.php>

Advertising
Bilingual Aide
Foreign Correspondent¹
Foreign Broadcast Specialist¹
Import-Export Agent
In-Country Representative
Intelligence Specialist
Journalist¹
Manufacturer's Representative
Sales Person
Scientist Linguist
Teacher/Professor¹
Translator/Interpreter¹
Travel Agent
United Nations Guide

¹ Bachelor's Degree or higher required.

The Program-level Student Learning Outcomes (PSLOs) below are outcomes that students will achieve after completing specific degree/certificate requirements in this program. Students will:

1. Utilize more complex vocabulary and grammatical structures to communicate and discuss hypothetical situations dealing with nature, city, life, health and well-being, professions and occupations, the arts, current events, and politics.
2. Utilize more complex vocabulary and grammatical structures to write about situations dealing with nature, city, life, health and well-being, professions and occupations, the arts, current events, and politics.
3. Use language and vocabulary skills developed in class to read, analyze, and interpret authentic texts.

Associate Degree Major Requirements

Code	Title	Units
ARBC-120	Arabic I	5
ARBC-121	Arabic II	5
ARBC-148	Language, Culture, and Literature of the Arab World	3
ARBC-220 or ARBC-122	Arabic III Arabic for the Arabic Speaker I	5
ARBC-221 or ARBC-123	Arabic IV Arabic for the Arabic Speaker II	5
ARBC-250	Conversational Arabic I	3
ARBC-251	Conversational Arabic II	3
Total Units		29

Plus General Education (<https://catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/>) and Elective Requirements

Certificate of Achievement

Any student who chooses to complete only the requirements listed above qualifies for a Certificate of Achievement in Arabic. An official request must be filed with the Admissions and Records Office prior to the deadline as stated in the Academic Calendar.

Basic Arabic for Healthcare Professionals Certificate of Proficiency



Certificates of Proficiency are designed for the student who needs to be prepared for effective interaction in a diverse workplace or other settings. A department-issued certificate may be awarded upon successful completion of a prescribed course of study. These certificates will not appear on a student's transcript.

A certificate of proficiency is awarded to a student who completes Basic Arabic for Healthcare Professionals. This course is designed for healthcare professionals who would like to have a better understanding of the language and culture of the Arabic-speaking patient and to communicate in Arabic with them.

Program Student Learning Outcomes

Upon completing the course, the student will be able to:

1. Comprehend most basic medical terms and communicate with the patient in simple and meaningful spoken Arabic.
2. Use the target language effectively with patients in basic healthcare situation.
3. Communicate effectively with family members when sharing basic medical information.
4. Assist both the patient and doctor in the doctor's office.

Certificate of Proficiency

Code	Title	Units
ARBC-161	Basic Arabic for Healthcare Professionals	1
Total Units		1

Communication Associate in Arts



This program is designed to provide the student with a broad base of communication classes that will provide training for entry into occupations in which verbal skills are important. Major requirements for the four-year degree in Communication vary from institution to institution.

Students should consult the catalog of the transfer institution for specific requirements.

Career Opportunities

<https://www.grossmont.edu/student-support/career-center/resources.php>

- Advertising Assistant
- Announcer
- Arts Administrator¹
- College Professor¹
- Journalist¹
- Lawyer¹
- Lobbyist¹
- Narrator
- Politician
- Proofreader
- Public Relations Assistant
- Researcher¹
- Sales Manager
- Teacher/Instructor¹

¹ Bachelor's Degree or higher required.

The Program-level Student Learning Outcomes (PSLOs) below are outcomes that students will achieve after completing specific degree / certificate requirements in this program. Students will:

1. Exhibit the ability to listen actively.
2. Critically evaluate oral and written messages in order to assess credibility and validity.
3. Practice perspective-taking so as to display other-centered communication within and across diverse communities.
4. Appraise the strengths, limitations and consequences of the use of the various communication methods.
5. Demonstrate confident and competent use of language and nonverbal communication.

Associate Degree Major Requirements

Code	Title	Units
COMM-120	Interpersonal Communication	3
COMM-122	Public Speaking	3
COMM-137	Critical Thinking in Group Communication	3
COMM-145	Argumentation	3
Select two of the following:		6
COMM-124	Intercultural Communication	
COMM-126	Communication Studies: Health and Wellness	
COMM-128	Global Communication	
COMM-144	Communication Studies: Race and Ethnicity	
or ETHN-144	Communication Studies: Race and Ethnicity	
MCOM-110	Mass Media and Society	
Select three units from the following:		3
COMM-123	Advanced Public Speaking	
COMM-135	Oral Interpretation of Literature	
COMM-136	Readers Theatre	

COMM-238	Speech and Debate Competition I
COMM-239	Speech and Debate Competition II
COMM-240	Speech and Debate Competition III
COMM-241	Speech and Debate Competition IV
Total Units	21

Plus General Education (<https://catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/>) and Elective Requirements



Associate Degree
for TransferSM

Communication Studies for Transfer (AA-T)

The Associate in Arts in Communication Studies for Transfer (AA-T) degree is designed to facilitate transfer to a California State University in keeping with SB 1440. This degree reflects the Transfer Model Curriculum (TMC) supported by the Statewide Academic Senate. A total of 18 units are required to fulfill the major portion of this degree. Students must also complete the California State University (CSU) General Education Breadth requirements or the Intersegmental General Education Transfer Curriculum (IGETC) (see the "General Education Requirements and Transfer Information" section of the catalog). Students planning to transfer to SDSU should consult with a counselor.

The following requirements must be met to be awarded an Associate in Arts in Communication Studies for Transfer (AA-T) degree:

1. Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
 - a. The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirement.
 - b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0. Students are also required to earn a "C" grade or higher or "Pass" in all courses required for the major.

The Communication Studies degree is designed to provide the student with a broad base of communication classes that will provide training for entry into occupations in which verbal skills are important.

The Program-level Student Learning Outcomes (PSLOs) below are outcomes that students will achieve after completing specific degree / certificate requirements in this program. Students will:

1. Exhibit the ability to listen actively.
2. Critically evaluate oral and written messages in order to assess credibility and validity.
3. Practice perspective-taking so as to display other-centered communication within and across diverse communities.
4. Appraise the strengths, limitations, and consequences of the use of various communication methods.

5. Demonstrate confident and competent use of language and nonverbal communication.

Associate Degree Major Requirements

Code	Title	Units
Required Core		
COMM-122	Public Speaking	3
List A		
Select two of the following:		6
COMM-120	Interpersonal Communication	
COMM-137	Critical Thinking in Group Communication	
COMM-145	Argumentation	
List B		
Select two of the following:		6
Any List A course not used above or		
COMM-123	Advanced Public Speaking	
COMM-124	Intercultural Communication	
COMM-135	Oral Interpretation of Literature	
COMM-240	Speech and Debate Competition III	
List C		
Select one of the following:		3
Any List A or List B course not used above or		
COMM-128	Global Communication	
COMM-136	Readers Theatre	
COMM-144	Communication Studies: Race and Ethnicity	
Units for the major		18
Plus General Education Requirements (CSU GE or IGETC) (https://catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/)		37-39
Total Units		60

Complete transferable units as needed to reach 60.

Students completing IGETC may be awarded the degree, but they must complete a course from Area 1C: Oral Communication to meet CSU admission requirements.



Associate Degree
for TransferSM

Communication Studies for Transfer 2.0 (AA-T)

The Associate in Arts in Communication Studies for Transfer (AA-T) degree is designed to facilitate transfer to a California State University in keeping with SB 1440. This degree reflects the Transfer Model Curriculum (TMC) supported by the Statewide Academic Senate. A total of 18 units are required to fulfill the major portion of this degree. Students must also complete the California State University (CSU) General Education Breadth requirements or the Intersegmental General Education Transfer Curriculum (IGETC) (see the "General Education Requirements and

Transfer Information" section of the catalog). Students planning to transfer to SDSU should consult with a counselor.

The following requirements must be met to be awarded an Associate in Arts in Communication Studies for Transfer (AA-T) degree:

1. Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
 - a. The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirement.
 - b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0. Students are also required to earn a "C" grade or higher or "Pass" in all courses required for the major.

The Communication Studies degree is designed to provide the student with a broad base of communication classes that will provide training for entry into occupations in which verbal skills are important.

The **Program-level Student Learning Outcomes (PSLOs)** below are outcomes that students will achieve after completing specific degree / certificate requirements in this program. Students will:

1. Exhibit the ability to listen actively.
2. Critically evaluate oral and written messages in order to assess credibility and validity.
3. Practice perspective-taking so as to display other-centered communication within and across diverse communities.
4. Appraise the strengths, limitations, and consequences of the use of various communication methods.
5. Demonstrate confident and competent use of language and nonverbal communication.

Associate Degree Major Requirements

Code	Title	Units
Required Core		
COMM-120	Interpersonal Communication	3
COMM-122	Public Speaking	3
List A		
Select three of the following:		9
COMM-123	Advanced Public Speaking	
COMM-124	Intercultural Communication	
COMM-135	Oral Interpretation of Literature	
COMM-137	Critical Thinking in Group Communication	
COMM-145	Argumentation	
COMM-240	Speech and Debate Competition III	
List B		
Select one of the following:		3
Any List A course not used above or		
COMM-136	Readers Theatre	
COMM-144	Communication Studies: Race and Ethnicity	
Units for the major		18

Plus General Education Requirements (CSU GE or IGETC) (<https://catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/>)

Total Units 60

FREN-220	French III	5
FREN-221	French IV	5
FREN-250	Conversational French I	3
FREN-251	Conversational French II	3
Total Units		29

Plus General Education (<https://catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/>) and Elective Requirements

French Associate in Arts and Certificate of Achievement



This program is designed to provide students with skills in understanding, speaking, reading, and writing French. It also gives students a greater understanding of French culture and civilization and prepares them for greater international and domestic career opportunities.

For the suggested sequence of courses to be taken, and/or for assistance in transferring to a four-year institution, students should consult the Counseling Center or the Department of World Languages.

Career Opportunities

<https://www.grossmont.edu/student-support/career-center/resources.php>

- Diplomatic Officer¹
- Fashion Coordinator²
- Foreign Broadcast Specialist¹
- Foreign Correspondent¹
- Immigration Inspector
- Journalist¹
- Teacher/Professor¹
- Travel Agent²
- United Nations Guide

¹ Bachelor's Degree or higher required.

² Bachelor Degree normally recommended.

The Program-level Student Learning Outcomes (PSLOs) below are outcomes that students will achieve after completing specific degree / certificate requirements in this program. Students will:

1. Utilize more complex vocabulary and grammatical structures to communicate and discuss hypothetical situations dealing with nature, city, life, health, and well-being, professions and occupations, the arts, current events, and politics.
2. Utilize more complex vocabulary and grammatical structures to write about situations dealing with nature, city, life, health and well-being, professions, and occupations, the arts, current events, and politics.
3. Use language and vocabulary skills developed in class to read, analyze, and interpret authentic texts.

Associate Degree Major Requirements

Code	Title	Units
FREN-120	French I	5
FREN-121	French II	5
FREN-152	The French-Speaking World: A Cross-Cultural Perspective	3

Certificate of Achievement

Any student who wishes to complete only the requirements listed above qualifies for a Certificate of Achievement in French. An official request must be filed with the Admissions and Records Office prior to the deadline as stated in the Academic Calendar.

German Associate in Arts and Certificate of Achievement



This program is designed to provide students with skills in understanding, speaking, reading, and writing German. It also gives students a greater understanding of German culture and civilization and prepares them for greater international and domestic career opportunities.

For the suggested sequence of courses to be taken, and/or for assistance in transferring to a four-year institution, students should consult the Counseling Center or the Department of Foreign Languages.

Career Opportunities

<https://www.grossmont.edu/student-support/career-center/resources.php>

- Diplomatic Officer¹
- Foreign Correspondent¹
- Foreign Exchange Clerk
- Foreign Service Officer
- Intelligence Specialist¹
- Interpreter / Translator¹
- Immigration Inspector
- Journalist¹
- Teacher/Professor¹
- Public Relations Specialist¹

¹ Bachelor's Degree or higher required.

The Program-level Student Learning Outcomes (PSLOs) below are outcomes that students will achieve after completing specific degree / certificate requirements in this program. Students will:

1. Utilize more complex vocabulary and grammatical structures to communicate and discuss hypothetical situations dealing with nature, city, life, health, and well-being, professions and occupations, the arts, current events, and politics.

- Utilize more complex vocabulary and grammatical structures to write about situations dealing with nature, city, life, health and well-being, professions, and the arts, current events, and politics.
- Use language and vocabulary skills developed in class to read, analyze, and interpret authentic texts.

Translator / Interpreter¹
Travel Agent
United Nations Guide

¹ Bachelor's Degree or higher required.

Associate Degree Major Requirements

Code	Title	Units
GERM-120	German I	5
GERM-121	German II	5
GERM-220	German III	5
GERM-221	German IV	5
GERM-250	Conversational German I	3
GERM-251	Conversational German II	3
HIST-106	Modern Western Civilization	3
or HUM-120	European Humanities	
Total Units		29

Plus General Education (<https://catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/>) and Elective Requirements

Certificate of Achievement

Any student who wishes to complete only the requirements listed above qualifies for a Certificate of Achievement in German. An official request must be filed with the Admissions and Records Office prior to the deadline as stated in the Academic Calendar.

Japanese Associate in Arts



This program is designed to provide students with skills in understanding, speaking, reading, and writing Japanese. It also gives students a greater understanding of Japanese culture and civilization and prepares them for greater international and domestic career opportunities. For the suggested sequence of courses to be taken, and/or for assistance in transferring to a four-year institution, students should consult the Counseling Center or the Department of World Languages.

Career Opportunities

<https://www.grossmont.edu/student-support/career-center/resources.php>

Advertising
Bilingual Aide
Foreign Correspondent¹
Foreign Broadcast Specialist¹
Import-Export Agent
In-Country Representative
Intelligence Specialist
Journalist¹
Manufacturer's Representative
Sales Person
Scientist Linguist
Teacher / Professor¹

The Program-level Student Learning Outcomes (PSLOs) below are outcomes that students will achieve after completing specific degree / certificate requirements in this program. Students will:

- Utilize more complex vocabulary and grammatical structures to communicate and discuss hypothetical situations dealing with nature, city, life, health, and well-being, professions and occupations, the arts, current events, and politics.
- Utilize more complex vocabulary and grammatical structures to write about situations dealing with nature, city, life, health and well-being, professions, and occupations, the arts, current events, and politics.
- Use language and vocabulary skills developed in class to read, analyze, and interpret authentic texts.

Associate Degree Major Requirements

Code	Title	Units
JAPN-120	Japanese I	5
JAPN-121	Japanese II	5
JAPN-220	Japanese III	5
JAPN-221	Japanese IV	5
JAPN-250	Conversational Japanese I	3
JAPN-251	Conversational Japanese II	3
JAPN-149	Japanese Culture and Civilization	3
or HIST-137	History of East Asia	
Total Units		29

Plus General Education (<https://catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/>) and Elective Requirements



Associate Degree
for TransferSM

Journalism for Transfer (AA-T)



The Associate in Arts in Journalism for Transfer (AA-T) degree is designed to facilitate transfer to a California State University in keeping with SB 1440. This degree reflects the Transfer Model Curriculum (TMC) supported by the Statewide Academic Senate. A total of 18-19 units are required to fulfill the major portion of this degree. Students must also complete the California State University (CSU) General Education Breadth requirements or the Intersegmental General Education Transfer Curriculum (IGETC) (see the "General Education Requirements and Transfer Information" section of the catalog). Students planning to transfer to SDSU should consult with a counselor.

The following requirements must be met to be awarded an Associate in Arts in Journalism for Transfer (AA-T) degree:

1. Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
 - a. The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirement.
 - b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0. Students are also required to earn a "C" grade or higher or "Pass" in all courses required for the major.

The Associate in Arts in Journalism for Transfer Degree (AA-T) will provide students with the lower division core courses required for bachelor-level study in the discipline. A degree in journalism offers graduates a variety of career paths in such fields as print and TV/Radio broadcast news, social media editors, news management, copy editing, internet news, digital communications, public relations. It also serves as an excellent foundation for in fields such as politics, education, management, and information production and dissemination. The program is designed to meet lower division requirements for transfer.

The Associate in Arts in Journalism for Transfer (AA-T) degree will fulfill the mission of both Grossmont College and the community college system by providing a specific group of baccalaureate-level courses that will meet lower division degree requirements in the discipline and allow for seamless transfer to the California State University and University of California systems.

The Program-level Student Learning Outcomes (PSLOs) below are outcomes that students will achieve after completing specific degree / certificate requirements in this program. Students will:

1. Students will employ discipline knowledge and skill sets.
2. Students will define and execute their knowledge of journalism in multiple media formats.

Associate Degree Major Requirements

Code	Title	Units
Required Core		
MCOM-110	Mass Media and Society	3
MCOM-112	Introduction to Reporting and News Writing	3
MCOM-132A	Student News Production 1	3
List A		
Select one of the following:		3
MCOM-132B	Student News Production 2	
MCOM-212	Multimedia Reporting	
List B		
Select two of the following:		6-7
COMM-137	Critical Thinking in Group Communication	
COMM-145	Argumentation	
ECON-120	Principles of Macroeconomics	
or ECON-121	Principles of Microeconomics	
ENGL-124	Advanced Composition: Critical Reasoning and Writing	

MATH-160	Elementary Statistics
or ANTH-215	Statistics for the Behavioral Sciences
or PSY-215	Statistics for the Behavioral Sciences
or SOC-215	Statistics for the Behavioral Sciences
MCOM-210	Social Media in the Digital Age
MCOM-250	Introduction to Representation in the Media
PHOT-150	Introduction to Photography
PHIL-130	Logic
POSC-121	Introduction to U.S. Government and Politics
Units in the major	18-19
Plus General Education Requirements (CSU GE or IGETC) (https://catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/)	
Total Units	60

Complete transferable units as needed to reach 60.

Students completing IGETC may be awarded the degree, but they must complete a course from Area 1C: Oral Communication to meet CSU admission requirements.

Media Communications Associate in Science and Certificate of Achievement



The Department of Media Communications' curriculum serves two purposes:

1. The Media Communications (MCOM) curriculum brings to the student an awareness of the impact of communications technology and programming in our daily lives and on society as a whole. We are experiencing a revolution in information availability and the expertise of media in manipulating that information. Most members of society remain unaware of the pervasive nature of this influence even though it has become a constant in their lives. The Department of Media Communications aims to make students more thoughtful consumers of mass media.
2. The courses offered in Media Communications are also designed to give students a working knowledge of the concepts, values, theoretical understanding, operational skills, rapidly developing technology, and experience necessary to succeed as competent professional communicators in the fields represented by the curriculum: Audio Production, Cross-Media Journalism, and Video Production.

The Department of Media Communications at Grossmont College enjoys a statewide and national reputation for excellence. The faculty, both full-and part-time, have been carefully chosen for their many years of experience in their fields and in the classroom. The career opportunities for majors in this department include positions in newspapers, news agencies, public relations, commercial and non-commercial television, radio, business and industry non-broadcast

applications, videoconferencing, video production studios, education, and the growing fields of digital communications and multimedia.

Students may elect a program from these three areas: Audio Production, Cross-Media Journalism, or Video Production. The programs are designed to meet lower division transfer requirements or job entry requirements, depending on the goals of the student.

Career Opportunities

<https://www.grossmont.edu/student-support/career-center/resources.php>

Anchorperson
Newscaster
Audiovisual Specialist
Camera Operator
Cinematographer¹
Engineering Technician
Instructional Media Specialist
Lighting Director
News Director¹
Print Journalist¹
Production Assistant¹
Technical Director¹
Videographer
World Wide Web Journalist

¹ Bachelor's Degree or higher required.

The Program-level Student Learning Outcomes (PSLOs) below is an outcome that students will achieve after completing specific degree/certificate requirements in this program.

1. Students will analyze the functions and roles of mass media in US society.
2. Students will understand and apply the functions and principles of mass media within society.
3. Students will organize and synthesize the basic principles of their discipline knowledge and create applicable media.

Associate Degree Major Requirements

Core Curriculum

Code	Title	Units
MCOM-110	Mass Media and Society	3
MCOM-112	Introduction to Reporting and News Writing	3
MCOM-116	Introduction to Audio Production	3
MCOM-117	Television Studio Operations	4
MCOM-210	Social Media in the Digital Age	3
Total Units		16

Note: Students must choose at least one area of emphasis.

Audio Production Area of Emphasis

Code	Title	Units
Core Curriculum		16
MCOM-113	Media Announcing	3
Select three units from the following:		3
MCOM-151	Media Internship 1	

MCOM-153	Media Internship 2	
MCOM-155	Media Internship 3	
Select one of the following sequences:		9
Sequence A.		
MCOM-119A	Radio Station Operations 1	
MCOM-119B	Radio Station Operations 2	
MCOM-119C	Radio Station Operations 3	
Sequence B.		
MCOM-216A	Audio Multi-track Production 1	
MCOM-216B	Audio Multi-track Production 2	
MCOM-216C	Audio Multi-track Production 3	
Total Units		31

Plus General Education (<https://catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/>) and Elective Requirements

Recommended Electives

Code	Title	Units
MCOM-111	Introduction to Film Analysis	3
MCOM-118	Media Script Writing	3
MCOM-250	Introduction to Representation in the Media	3

Cross-Media Journalism Area of Emphasis

Code	Title	Units
Core Curriculum		16
MCOM-118	Media Script Writing	3
MCOM-119A	Radio Station Operations 1	3
MCOM-212	Multimedia Reporting	3
Select one of the following:		3
MCOM-132A	Student News Production 1	
MCOM-132B	Student News Production 2	
MCOM-132C	Student News Production 3	
Select three units from the following:		3
MCOM-151	Media Internship 1	
MCOM-153	Media Internship 2	
MCOM-155	Media Internship 3	
Total Units		31

Plus General Education (<https://catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/>) and Elective Requirements

Recommended Electives

Code	Title	Units
MCOM-113	Media Announcing	3
MCOM-217	Television/Video News Producing and Directing	3
MCOM-250	Introduction to Representation in the Media	3

Video Production Area of Emphasis

Code	Title	Units
Core Curriculum		16
MCOM-111	Introduction to Film Analysis	3
MCOM-118	Media Script Writing	3

MCOM-120	Single Camera Video Cinematography	3
MCOM-230	Digital Program Production	3
Select three units from the following:		3
MCOM-151	Media Internship 1	
MCOM-153	Media Internship 2	
MCOM-155	Media Internship 3	
Total Units		31

Plus General Education (<https://catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/>) and Elective Requirements

Recommended Electives

Code	Title	Units
MCOM-217	Television/Video News Producing and Directing	3
MCOM-250	Introduction to Representation in the Media	3

Certificate of Achievement

Any student who chooses to complete only the requirements for one of the areas of emphasis plus the Media Communications core curriculum qualifies for a Certificate of Achievement in:

- Media Communications – Audio Production
- Media Communications – Cross-Media Journalism
- Media Communications – Video Production

An official request must be filed with the Admissions and Records Office prior to the deadline as stated in the Academic Calendar.

Russian Associate in Arts and Certificate of Achievement



This program is designed to provide students with skills in understanding, speaking, reading, and writing Russian. It also gives students a greater understanding of Russian culture and civilization and prepares them for greater international and domestic career opportunities. For the suggested sequence of courses to be taken, and/or for assistance in transferring to a four-year institution, students should consult the Counseling Center or the Department of Foreign Languages.

Career Opportunities

<https://www.grossmont.edu/student-support/career-center/resources.php>

- Advertising
- Bilingual Aide
- Foreign Correspondent¹
- Foreign Broadcast Specialist¹
- Import-Export Agent
- In-Country Representative
- Intelligence Specialist
- Journalist¹
- Manufacturer’s Representative

- Sales Person
- Scientist Linguist
- Teacher / Professor¹
- Translator / Interpreter¹
- Travel Agent
- United Nations Guide

¹ Bachelor’s Degree or higher required.

The Program-level Student Learning Outcomes (PSLOs) below are outcomes that students will achieve after completing specific degree / certificate requirements in this program. Students will:

1. Utilize more complex vocabulary and grammatical structures to communicate and discuss hypothetical situations dealing with nature, city, life, health, and well-being, professions and occupations, the arts, current events, and politics.
2. Utilize more complex vocabulary and grammatical structures to write about situations dealing with nature, city life health and well-being, professions and occupations, the arts, current events, and politics.
3. Use language and vocabulary skills developed in class to read, analyze, and interpret authentic texts.

Associate Degree Major Requirements

Code	Title	Units
HIST-105	Early Western Civilization	3
RUSS-120	Russian I	5
RUSS-121	Russian II	5
RUSS-220	Russian III	5
RUSS-221	Russian IV	5
RUSS-250	Conversational Russian I	3
RUSS-251	Conversational Russian II	3
Total Units		29

Plus General Education (<https://catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/>) and Elective Requirements

Certificate of Achievement

Any student who chooses to complete only the requirements listed above qualifies for a Certificate of Achievement in Russian. An official request must be filed with the Admissions and Records Office prior to the deadline as stated in the Academic Calendar.

Spanish Associate in Arts and Certificate of Achievement



This program is designed to provide students with skills in understanding, speaking, reading, and writing Spanish. It also gives students a greater understanding of Spanish culture and civilization and prepares them for greater international and domestic career opportunities.

For the suggested sequence of courses to be taken and/or for assistance in transferring to a four-year institution, students should consult the Counseling Center or the Department of World Languages.

Career Opportunities

<https://www.grossmont.edu/student-support/career-center/resources.php>

Bilingual Aide
Border Patrol Officer
Buyer
Court Interpreter¹
Counseling
Customs Agent / Inspector
Foreign Exchange Clerk
Foreign Student Advisor¹
Interpreter¹
Journalist¹
Museum Curator¹
Physician¹
Scientific Linguist¹
Tour Guide
Tutor

¹ Bachelor's Degree or higher required.

The Program-level Student Learning Outcomes (PSLOs) below are outcomes that students will achieve after completing specific degree / certificate requirements in this program. Students will:

1. Utilize more complex vocabulary and grammatical structures to communicate and discuss hypothetical situations dealing with nature, city, life, health, and well-being, professions and occupations, the arts, current events, and politics.
2. Utilize more complex vocabulary and grammatical structures to write about situations dealing with nature, city life, health and well-being, profession, and occupations, the arts, current events, and politics.
3. Use language and vocabulary skills developed in class to read, analyze, and interpret authentic texts.

Associate Degree Major Requirements

Code	Title	Units
SPAN-120	Spanish I	5
SPAN-121	Spanish II	5
SPAN-220	Spanish III	5
or SPAN-122	Spanish for the Native Speaker I	
SPAN-221	Spanish IV	5
or SPAN-123	Spanish for the Native Speaker II	
SPAN-250	Conversational Spanish I	3
SPAN-251	Conversational Spanish II	3
Select one of the following:		3
HIST-114	Comparative History of the Early Americas	
HIST-115	Comparative History of the Modern Americas	
HIST-126	History of Mexico	
SPAN-141	Spanish and Latin American Cultures	
SPAN-145	Hispanic Civilizations	

ETHN-118	U.S. History: Chicano/Chicana Perspectives I
or HIST-118	U.S. History: Chicano/Chicana Perspectives I
ETHN-119	U.S. History: Chicano/Chicana Perspective II
or HIST-119	U.S. History: Chicano/Chicana Perspectives II

Total Units

29

Plus General Education (<https://catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/>) and Elective Requirements

Certificate of Achievement

Any student who wishes to complete only the requirements listed above qualifies for a Certificate of Achievement in Spanish. An official request must be filed with the Admissions and Records Office prior to the deadline as stated in the Academic Calendar.



Associate Degree for TransferSM

Spanish for Transfer (AA-T)



The Associate in Arts in Spanish for Transfer (AA-T) degree is designed to facilitate transfer to a California State University in keeping with SB1440. A total of 23 units are required to fulfill the major portion of this degree. This degree reflects the Transfer Model Curriculum (TMC) supported by the statewide Academic Senate. Students must also complete the California State University (CSU) General Education Breadth requirements or the Intersegmental General Education Transfer Curriculum (IGETC) (see the "General Education Requirements and Transfer Information" section of the catalog). A student may apply for this degree in conjunction with an Associate in Arts in Spanish degree provided the courses taken meet the requirements of both degrees. Students should speak with a counselor to verify that the requirements for either or both degrees have been met. In addition, students planning to transfer to SDSU should consult with a counselor.

The following requirements must be met to be awarded an Associate in Arts in Spanish for Transfer (AA-T) degree:

1. Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
 - a. The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirement.
 - b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.

2. Obtainment of a minimum grade point average of 2.0. Students are also required to earn a "C" grade or higher or "Pass" in all courses required for the major.

This degree transfers to a university where one can continue work leading to a baccalaureate degree in Spanish, Spanish Literature, Linguistics, Latin American Studies, Comparative Literature, Translation and Interpretation, International Business and Bilingual Education. In addition, there are selected entry level positions in education and business open to the graduate with a degree in Spanish. Some individuals follow the steps necessary to go beyond an undergraduate degree and enter graduate schools leading to careers in higher education, Spanish Literature or Linguistics. For special requirements, the student should consult the baccalaureate granting institution he/she is considering for matriculation.

The Program-level Student Learning Outcomes (PSLOs) below are outcomes that students will achieve after completing specific degree / certificate requirements in this program. Students will:

1. Think critically and effectively express in Spanish their views in written and verbal communication.
2. Compare and contrast the Hispanic culture with those of the learner in order to gain better understanding of the Spanish language, customs values, attitudes, patterns of behavior, and social mores.
3. Acquire and demonstrate a deeper understanding of the Spanish language, customs, geography, art, music, institutions and culture in general of the Spanish speaking countries in order to understand the current language and culture and how they have evolved.
4. Pursue advanced study in the Spanish language and relevant career-oriented programs.

Associate Degree Major Requirements

Code	Title	Units
Required Core		
SPAN-120	Spanish I	5
SPAN-121	Spanish II	5
SPAN-220	Spanish III	5
or SPAN-122	Spanish for the Native Speaker I	
SPAN-221	Spanish IV	5
or SPAN-123	Spanish for the Native Speaker II	
List A		
Select one of the following:		3
SPAN-141	Spanish and Latin American Cultures	
SPAN-250	Conversational Spanish I	
SPAN-251	Conversational Spanish II	
ETHN-118	U.S. History: Chicano/Chicana Perspectives I	
or HIST-118	U.S. History: Chicano/Chicana Perspectives I	
ETHN-119	U.S. History: Chicano/Chicana Perspective II	
or HIST-119	U.S. History: Chicano/Chicana Perspectives II	
Units in the major		23
Plus General Education Requirements (CSU GE or IGETC) (https://catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/)		37-39
Total Units		60

Complete transferable units as needed to reach 60.

Students completing IGETC may be awarded the degree, but they must complete a course from Area 1C: Oral Communication to meet CSU admission requirements

University Studies - Communication and Language Arts (AA)

The Associate Degree in University Studies is intended to accommodate the differing requirements of a wide variety of transfer institutions and major options. Because admission and major preparation requirements vary at each four-year transfer institution, courses used to complete this degree should be selected with the assistance of a counselor.

The completion of the University Studies Degree does not guarantee acceptance into either a baccalaureate major or a four-year institution.

Requirements

I. California State University (CSU) General Education Breadth

1. Complete CSU General Education Breadth (see Transfer Information and Degree Requirements in college catalog).
2. Earn a grade of "C" or higher or "Pass" for all courses in Area A and the Mathematical/Quantitative Reasoning courses in Area B.
3. Complete a minimum of 18 units (listed below) with a "C" grade or higher or "Pass".
4. Complete a minimum of 60 degree applicable CSU transferable semester units. (All courses included in each area of emphasis are CSU transferable.)
5. Earn a cumulative GPA of 2.0 in all college coursework completed.
6. Meet Grossmont College residence requirements for graduation (see Degree Requirements in college catalog).
7. Students pursuing a University Studies degree in Mathematics and Natural Science and Computer Science are eligible to use CSU for STEM to fulfill the general education requirements of this degree.

or

II. Intersegmental General Education Transfer Curriculum (IGETC) for CSU or UC

1. Complete IGETC Certification (see Transfer Information and Degree Requirements in college catalog).
 2. Earn a grade of "C" or higher or "Pass" in all IGETC courses.
 3. Complete a minimum of 18 units (listed below) with a "C" grade or higher or "Pass".
 4. Complete a minimum of 60 degree applicable UC transferable semester.
- Courses that are non-UC transferable are indicated by (*).**
Additional UC transferable units may be chosen as electives.
5. Earn a cumulative GPA of 2.0 in all college coursework completed.
 6. Meet Grossmont College residence requirements for graduation (see Degree Requirements in college catalog).
 7. Students pursuing a University Studies degree in Mathematics and Natural Science and Computer Science are eligible to use IGETC for STEM to fulfill the general education requirements of this degree.

While 18 units are required in a specific area to meet the requirements of the degree, it is strongly recommended that as many lower division preparation for the major courses as possible be completed at the community college prior to transfer. Cross-listed courses receive credit for only one course. Some baccalaureate majors and four-year institutions require a higher GPA than is necessary for the Associate Degree. Completion of the University Studies Degree does not guarantee admission to a four-year institution.

The Program-level Student Learning Outcomes (PSLOs) are outcomes that students who complete a degree / certificate in this program will be able to achieve upon degree / certificate completion. The PSLOs for the University Studies degree in **Communication and Language Arts** are:

1. Demonstrate the ability to analyze information and write effectively.
2. Organize thoughts and ideas in both oral and written format.
3. Communicate effectively with diverse audiences.

Courses in this major focus on the study of how language works to express human ideas and feelings. Students explore and analyze written and verbal communication methods, as well as develop and advance their oral and written communication skills. Students completing this area may be interested in the following baccalaureate majors: American Sign Language, communication, English, foreign language, literature, journalism, linguistics and media / film / television. **Students must complete a minimum of three units or one course in communication and three units or one course in language arts. The remaining units may be taken from either category.**

Communication

Code	Title	Units
COMM-120	Interpersonal Communication	
COMM-122	Public Speaking	
COMM-123	Advanced Public Speaking	
COMM-124	Intercultural Communication	
COMM-126	Communication Studies: Health and Wellness ¹	
COMM-128	Global Communication	
COMM-135	Oral Interpretation of Literature	
COMM-136	Readers Theatre	
COMM-137	Critical Thinking in Group Communication	
COMM-144	Communication Studies: Race and Ethnicity	
COMM-145	Argumentation	
ETHN-144	Communication Studies: Race and Ethnicity	
MCOM-110	Mass Media and Society	
MCOM-111	Introduction to Film Analysis	
MCOM-112	Introduction to Reporting and News Writing ¹	
MCOM-116	Introduction to Audio Production ¹	
MCOM-117	Television Studio Operations ¹	
MCOM-118	Media Script Writing ¹	
MCOM-120	Single Camera Video Cinematography	

¹ Non-UC transferable course.

Language Arts

Code	Title	Units
ARBC-120	Arabic I	
ARBC-121	Arabic II	
ARBC-122	Arabic for the Arabic Speaker I	
ARBC-123	Arabic for the Arabic Speaker II	
ARBC-148	Language, Culture, and Literature of the Arab World	
ARBC-220	Arabic III	
ARBC-221	Arabic IV	
ARBC-250	Conversational Arabic I	
ARBC-251	Conversational Arabic II	
ASL-120	American Sign Language I	
ASL-121	American Sign Language II	
ASL-140	Inside Deaf Culture	
ASL-220	American Sign Language III	
ASL-221	American Sign Language IV	
CHIN-120	Chinese I	
CHIN-121	Chinese II	
CHIN-220	Chinese III	
CHIN-221	Chinese IV	
CHIN-250	Conversational Chinese I	
CHIN-251	Conversational Chinese II	
ENGL-122	Introduction to Literature	
ENGL-124	Advanced Composition: Critical Reasoning and Writing	
ENGL-126	Introduction to Creative Writing	
ENGL-130	Short Fiction Writing I	
ENGL-131	Short Fiction Writing II	
ENGL-132	Short Fiction Writing III	
ENGL-133	Short Fiction Writing IV	
ENGL-140	Poetry Writing I	
ENGL-141	Poetry Writing II	
ENGL-142	Poetry Writing III	
ENGL-143	Poetry Writing IV	
ENGL-215	Mythology	
ENGL-219	Views of Death and Dying in Literature	
ENGL-221	British Literature I	
ENGL-222	British Literature II	
ENGL-231	American Literature I	
ENGL-232	American Literature II	
FREN-120	French I	
FREN-121	French II	
FREN-220	French III	
FREN-221	French IV	
FREN-250	Conversational French I	
FREN-251	Conversational French II	
GERM-120	German I	
GERM-121	German II	
GERM-220	German III	
GERM-221	German IV	
GERM-250	Conversational German I	

GERM-251	Conversational German II
ITAL-120	Italian I
ITAL-121	Italian II
ITAL-220	Italian III
ITAL-221	Italian IV
ITAL-250	Conversational Italian I
ITAL-251	Conversational Italian II
JAPN-120	Japanese I
JAPN-121	Japanese II
JAPN-220	Japanese III
JAPN-221	Japanese IV
JAPN-250	Conversational Japanese I
JAPN-251	Conversational Japanese II
RUSS-120	Russian I
RUSS-121	Russian II
RUSS-220	Russian III
RUSS-221	Russian IV
RUSS-250	Conversational Russian I
RUSS-251	Conversational Russian II
SPAN-120	Spanish I
SPAN-121	Spanish II
SPAN-122	Spanish for the Native Speaker I
SPAN-123	Spanish for the Native Speaker II
SPAN-220	Spanish III
SPAN-221	Spanish IV
SPAN-250	Conversational Spanish I
SPAN-251	Conversational Spanish II

Science, Technology, Engineering, and Math (STEM)



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- Geology Associate in Science (p. 187)
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- Information Technology Support Specialist Associate in Science and Certificate of Achievement (p. 189)
- Information Technology Technician Certificate of Proficiency (p. 190)
- Mathematics Associate in Science (p. 190)
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Biological Sciences Associate in Science



The Biological Sciences Department offers a solid academic foundation for further study in life sciences. The primary emphasis of the biological sciences major program is to prepare students for successful transfer to baccalaureate (four-year) institutions. This course package for majors is modeled on the transfer requirements of San Diego State University and will satisfy requirements of most other California State University and University of California campuses. Students should check the catalog of the transfer school being considered for its specific requirements.

Career Opportunities

<https://www.grossmont.edu/student-support/career-center/resources.php>

Aquatic Biologist¹
 Biologist¹
 Biotechnology Lab Technician¹
 Cytotechnologist
 Ecologist¹
 Environmental Engineer¹
 Forensic Pathologist¹
 Geneticist¹
 Hydrologist¹
 Laboratory Assistant
 Microbiologist¹
 Nuclear Medical Technician²
 Physical Therapist¹
 Sanitarian¹

¹ Bachelor's Degree or higher required.

² Bachelor Degree normally recommended.

The Program-level Student Learning Outcomes (PSLOs) below are outcomes that students will achieve after completing specific degree / certificate requirements in this program. Students will:

1. Explain how differences are the result of changes in characteristics due to natural selection and other forces of evolution.
2. Compare and contrast the ways that different kinds of cells, organisms or the community take in, use, and transfer energy to meet their metabolic needs (Homeostasis).
3. Describe how genetic information is stored, expressed, and transferred to offspring.
4. Explain how a specific structure has a specific function based on its characteristics.
5. Explain how molecules, cells, organs and/or organisms interact with one another and their environments.

Associate Degree Major Requirements

Code	Title	Units
BIO-215	Statistics for Life Sciences	3
BIO-230	Principles of Cellular, Molecular and Evolutionary Biology	4
BIO-240	Principles of Ecology, Evolution and Organismal Biology	5
CHEM-141	General Chemistry I	5
CHEM-142	General Chemistry II	5
Select one of the following:		5
CHEM-231	Organic Chemistry I	
or		
CHEM-241 & CHEM-241L	Organic Chemistry I Lecture and Organic Chemistry I Laboratory	
MATH-180	Analytic Geometry and Calculus I	5
PHYC-130	Fundamentals of Physics	4
PHYC-131	Fundamentals of Physics	4
Total Units		40

Plus General Education (<https://catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/>) and Elective Requirements



Associate Degree for TransferSM

Biology for Transfer (AS-T)



The Associate in Science in Biology for Transfer (AS-T) Degree is designed to facilitate transfer to a California State University in keeping with SB 1440. A total of 35-36 units are required to fulfill the major portion of this degree. Students must also complete the Intersegmental General Education Transfer Curriculum (IGETC) STEM (Science, Technology, Engineering, and Math) requirements or the California State University System (CSU) STEM requirements (see the "General Education Requirements and Transfer Information" section of the catalog).

Students should speak with a counselor to verify that the requirements for this degree have been met.

The following requirements must be met to be awarded an Associate in Science in Biology for Transfer (AS-T) Degree:

1. Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
 - a. The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirement.
 - b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0. Students are also required to earn a "C" grade or higher or "Pass" in all courses required for the major.

The Biological Sciences Department offers a solid academic foundation for further study in life sciences. The primary emphasis of the biological sciences major program is to prepare students for successful transfer to baccalaureate (four-year) institutions. This course package for majors is modeled on the transfer requirement for the California State University system. Students should check the catalog of the transfer school being considered for its specific requirements and speak with a counselor.

The Program-level Student Learning Outcomes (PSLOs) below are outcomes that students will achieve after completing specific degree / certificate requirements in this program. Students will:

1. Explain how differences are the result of changes in characteristics due to natural selection and other forces of evolution.
2. Compare and contrast the ways that different kinds of cells, organisms or the community take in, use, and transfer energy to meet their metabolic needs (Homeostasis).

3. Describe how genetic information is stored, expressed, and transferred to offspring.
4. Explain how a specific structure has a specific function based on its characteristics.
5. Explain how molecules, cells, organs and/or organisms interact with one another and their environments.

Associate Degree Major Requirements

Code	Title	Units
Required Core		
BIO-230	Principles of Cellular, Molecular and Evolutionary Biology	4
BIO-240	Principles of Ecology, Evolution and Organismal Biology	5
List A		
CHEM-141	General Chemistry I	5
CHEM-142	General Chemistry II	5
MATH-180	Analytic Geometry and Calculus I	5
PHYC-130	Fundamentals of Physics	4
PHYC-131	Fundamentals of Physics	4
List B		
BIO-215	Statistics for Life Sciences	3-4
or ANTH-215	Statistics for the Behavioral Sciences	
or PSY-215	Statistics for the Behavioral Sciences	
or SOC-215	Statistics for the Behavioral Sciences	
or MATH-160	Elementary Statistics	
Units in the major		35-36
Plus General Education Requirements (CSU GE or IGETC) (https://catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/)		31-33
Total Units		60

Complete transferable units as needed to reach 60.

Students completing IGETC may be awarded the degree, but they must complete a course from Area 1C: Oral Communication to meet CSU admission requirements.

Chemistry Associate in Science and Certificate of Achievement



The chemistry major prepares students to transfer to four-year institutions for continued study in the field of chemistry. The program outlined below fulfills the lower division requirements recommended by the American Chemical Society and is typical of requirements at four-year transfer institutions. Students should consult the catalog of the transfer institution for specific requirements. Assistance in planning a course of study is available at the Counseling Center or from the Department of Chemistry faculty. The department recommends that students take one year of Russian or German (or high school equivalency) for credit under Humanities Area C, Section 2 of the associate degree general education requirements.

Career Opportunities

<https://www.grossmont.edu/student-support/career-center/resources.php>

Analytical Chemist¹
 Biochemist¹
 Biotechnologist¹
 Chemistry Teacher¹
 Dentist¹
 Environmental Technician²
 Forensic Specialist¹
 Industrial Health Engineer¹
 Laboratory Technician
 Pharmacist¹
 Physician¹
 Research Chemist¹
 Safety Manager
 Sanitarian²
 Veterinarian¹
 Water-quality Analyst

¹ Bachelor's Degree or higher required.

² Bachelor Degree normally recommended.

The Program-level Student Learning Outcomes (PSLOs) below are outcomes that students will achieve after completing specific degree / certificate requirements in this program. Students will:

1. Analyze and interpret (evaluate) qualitative and quantitative data in order to identify trends, identify substances, and communicate results in a laboratory report.
2. Predict physical and chemical properties and changes of matter.
3. Employ a particulate and microscopic view of matter to explain macroscopic phenomena.

Associate Degree Major Requirements

Code	Title	Units
CHEM-141	General Chemistry I	5
CHEM-142	General Chemistry II	5
Select one of the following:		5
CHEM-231	Organic Chemistry I	5
CHEM-241 & CHEM-241L	Organic Chemistry I Lecture and Organic Chemistry I Laboratory	
Select one of the following:		
CHEM-232	Organic Chemistry II	5
CHEM-242 & CHEM-242L	Organic Chemistry II Lecture and Organic Chemistry II Laboratory	
Select sixteen (16) units from the following courses:		16
MATH-180	Analytic Geometry and Calculus I	16
MATH-280	Analytic Geometry and Calculus II	
MATH-281	Multivariable Calculus	
MATH-285	Differential Equations	
PHYC-201	Mechanics and Waves	36
PHYC-202	Electricity, Magnetism, and Heat	
PHYC-203	Light, Optics, and Modern Physics	
Total Units		36

Plus General Education (<https://catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/>) and Elective Requirements

Certificate of Achievement

Any student who wishes to complete only the requirements listed above qualifies for a Certificate of Achievement in Chemistry. An official request must be filed with the Admissions and Records Office prior to the deadline as stated in the Academic Calendar.

Computer Programming Associate in Science and Certificate of Achievement



The Computer Science Information Systems curricula provides a foundation in computing and information systems serving the diverse goals of the Grossmont community: employment in various phases of the computing industry, transfer to a baccalaureate institution for continued study in the computer and information sciences, training in selected topics for application in other professions or for personal enrichment, and advanced study for returning computing professionals. Throughout, emphasis is placed on blending fundamental theory and technique with practical applications in business, scientific and academic computing. A guiding principle is the use of intense hands-on instruction with state-of-the-art computer technology.

Five related but distinct areas of emphasis designed to provide corresponding job entry points are available as two-year curricula: Computer Programming, Web Design and Software Engineering. Completion of the Computer Science Information Systems core courses or their equivalent plus any one area of emphasis satisfies the major requirements for the Associate Degree.

An area of emphasis intended for the two-year vocational student who plans to gain entry level employment as a programmer for systems. Students who complete the sequence successfully are able to write or maintain code for program modules from design documents and specifications prepared by senior programmers or analysts.

Career Opportunities

<https://www.grossmont.edu/student-support/career-center/resources.php>

Computer Support Specialist
 Communications Technician
 Computer Maintenance Technician
 Computer Systems Analysts¹
 Database Administrators¹
 Information Specialist¹
 LAN (Local Area Network) Administrator
 Network Systems & Data Communication Analysts
 Office Administrators
 Programmer
 Software Engineers¹
 Software Technician

Systems Analyst¹
Technical Support Representative

¹ Bachelor's Degree or higher required.

The Program-level Student Learning Outcomes (PSLOs) below are outcomes that students will achieve after completing specific degree / certificate requirements in this program.

Students will perform computer end user support including identifying and implementing solutions to user requests.

1. Analyze and evaluate a computer-related situation in a business and/or scientific environment to identify a potential problem.
2. Design a technologically feasible and efficient solution.
3. Construct and complete the solution.
4. Demonstrate and explain the solution.

Similar Course List

The following Grossmont and Cuyamaca College courses are considered similar enough to be accepted in the major for local Computer Science degrees in the district. No Modification of Major forms are required at either campus.

Grossmont Course	Similar Cuyamaca Course
CSIS-112	CIS-190
CSIS-113	CIS-191
CSIS-119	CS-119
CSIS-132	CIS-211
CSIS-133	CIS-213
CSIS-135	CIS-215
CSIS-180	CIS-140
CSIS-293	CS-182
CSIS-294	CS-282
CSIS-296	CS-181
CSIS-297	CS-281

Associate Degree Major Requirements

Code	Title	Units
CSIS-112 or CSIS-113	Windows Operating System Introduction to Linux	3
CSIS-119	Introduction to Computer Programming	3
CSIS-293	Introduction to Java Programming	4
CSIS-294	Intermediate Java Programming and Fundamental Data Structures	4
Select one of the following sequences:		8
CSIS-296 & CSIS-297	Introduction to C++ Programming and Intermediate C++ Programming	
or		
CSIS-250 & CSIS-251	Introduction to Python Programming and Intermediate Python Programming and Fundamental Data Structures	
Select two of the following:		6-8
CSIS-132	Introduction to Web Development	
CSIS-133	Intermediate Web Development	
CSIS-135	JavaScript Programming	

CSIS-165	Assembly Language and Machine Architecture
CSIS-250	Introduction to Python Programming
CSIS-251	Intermediate Python Programming and Fundamental Data Structures
CSIS-276	Introduction to SQL
CSIS-290	Introduction to C# Programming
CSIS-293	Introduction to Java Programming
CSIS-294	Intermediate Java Programming and Fundamental Data Structures
CSIS-295	Android Application Development with Java
CSIS-296	Introduction to C++ Programming
CSIS-297	Intermediate C++ Programming

Total Units

28-30

Plus General Education (<https://catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/>) and Elective Requirements

Certificate of Achievement

Any student who chooses to complete only the requirements listed above qualifies for a Certificate of Achievement in Computer Programming. An official request must be filed with the Admissions and Records Office prior to the deadline stated in the Academic Calendar.



Associate Degree
for TransferSM

Computer Science For Transfer Degree (AS-T)



The Associate in Science in Computer Science for Transfer (AS-T) degree will fulfill the mission of both Grossmont College and the community college system by providing a specific group of baccalaureate-level courses that will meet lower division degree requirements in the discipline and allow for seamless transfer to a California State University to complete a baccalaureate degree in a TMC (Transfer Model Curriculum) discipline or similar major.

The Program-level Student Learning Outcomes (PSLOs) below are outcomes that students will achieve after completing specific degree / certificate requirements in this program. Students will:

1. Define and apply current Software Engineering design patterns, algorithms, and data structures to produce efficient, well-engineered software applications.
2. Apply problem-solving skills and the knowledge of computer science to solve real-world problems.
3. Define and demonstrate the concept of object oriented programming and object oriented design.

The Associate in Science in Computer Science for Transfer (AS-T) degree is designed to facilitate transfer to a California State University in keeping with SB 1440. A total of 33 units are required to fulfill the major portion of this degree. Students must also complete the Intersegmental General Education Transfer Curriculum (IGETC) (see the "General Education Requirements and Transfer Information" section of the catalog). Students should speak with a counselor to verify that the requirements for this degree have been met. In addition, students planning to transfer to San Diego State University should consult with a counselor.

The following requirements must be met to be awarded an Associate in Science in Computer Science for Transfer (AS-T) degree:

1. Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
 - a. The Intersegmental General Education Transfer Curriculum (IGETC).
 - b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0. Students are also required to earn a "C" grade or higher or "Pass" in all courses required for the major.

Most careers in computer science require a bachelor's degree, and some require a graduate-level degree. The coursework for this associate degree prepares students who plan to transfer and major in computer science with the lower-division computer programming and mathematics coursework required by most colleges and universities. It is designed to provide a strong foundation in programming methodology and skills, and computer organization. Additionally, students gain the necessary theoretical and practical knowledge necessary to work in a variety of computer related fields such as Software Engineering, Computer Engineering, Computer Systems Analysis, Network Engineering, Cloud Computing, Mobile Application Development, Computer Support, Computer Information Systems, Database Administration, Network Security, and Web Development.

Associate in Science in Computer Science for Transfer Degree

Code	Title	Units
Required Core		
BIO-230	Principles of Cellular, Molecular and Evolutionary Biology	4
CSIS-165	Assembly Language and Machine Architecture	4
CSIS-240	Discrete Structures	3
CSIS-293	Introduction to Java Programming	4
CSIS-294	Intermediate Java Programming and Fundamental Data Structures	4
MATH-180	Analytic Geometry and Calculus I	5
MATH-280	Analytic Geometry and Calculus II	4
PHYC-201	Mechanics and Waves	5
Units for the major		33

Plus General Education Requirements (CSU GE or IGETC) ([https:// catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/](https://catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/))

Total Units **60**

Students completing IGETC may be awarded the degree, but they must complete a course from Area 1C: Oral Communication to meet CSU admission requirements.

Cybersecurity and Networking Associate in Science and Certificate of Achievement



The Computer Science Information Systems curricula provides a foundation in computing and information systems serving the diverse goals of the Grossmont community: employment in various phases of the computing industry, transfer to a baccalaureate institution for continued study in the computer and information sciences, training in selected topics for application in other professions or for personal enrichment, and advanced study for returning computing professionals. Throughout, emphasis is placed on blending fundamental theory and technique with practical applications in business, scientific and academic computing. A guiding principle is the use of intense hands-on instruction with state-of-the-art computer technology.

Five related but distinct areas of emphasis designed to provide corresponding job entry points are available as two-year curricula: Computer Programming, Web Design and Software Engineering. Completion of the Computer Science Information Systems core courses or their equivalent plus any one area of emphasis satisfies the major requirements for the Associate Degree.

An area of emphasis leading to an entry level position which specializes in networking and cyber defense. Students completing this sequence will be expected to assist network managers and cybersecurity managers in small, medium, and large-sized organizations.

Career Opportunities

<https://www.grossmont.edu/student-support/career-center/resources.php>

Computer Support Specialist
 Communications Technician
 Computer Maintenance Technician
 Computer Systems Analysts¹
 Database Administrators¹
 Information Specialist¹
 LAN (Local Area Network) Administrator
 Network Systems & Data Communication Analysts
 Office Administrators
 Programmer
 Software Engineers¹
 Software Technician
 Systems Analyst¹
 Technical Support Representative

¹ Bachelor's Degree or higher required.

The Program-level Student Learning Outcomes (PSLOs) below are outcomes that students will achieve after completing specific degree / certificate requirements in this program.

Students will perform computer end user support including identifying and implementing solutions to user requests.

1. Analyze and evaluate a computer-related situation in a business and/or scientific environment to identify a potential problem.
2. Design a technologically feasible and efficient solution.
3. Construct and complete the solution.
4. Demonstrate and explain the solution.

Similar Course List

The following Grossmont and Cuyamaca College courses are considered similar enough to be accepted in the major for local Computer Science degrees in the district. No Modification of Major forms are required at either campus.

Grossmont Course	Similar Cuyamaca Course
CSIS-112	CIS-190
CSIS-113	CIS-191
CSIS-119	CS-119
CSIS-132	CIS-211
CSIS-133	CIS-213
CSIS-135	CIS-215
CSIS-180	CIS-140
CSIS-293	CS-182
CSIS-294	CS-282
CSIS-296	CS-181
CSIS-297	CS-281

Associate Degree Major Requirements

Code	Title	Units
CSIS-113	Introduction to Linux	3
CSIS-121	Introduction to Cybersecurity	3
CSIS-125	Network + Certification	3
CSIS-250	Introduction to Python Programming	4
CSIS-263	Security + Certification	3
Select at least nine units from the following:		9-10
BUS-128	Business Communication	
CSIS-110	Principles of Information Systems	
CSIS-120	Computer Maintenance and A+ Certification	
CSIS-130	Windows Server: Installing and Configuring	
CSIS-145	Introduction to TCP/IP	
CSIS-213	Linux System Administration	
CSIS-230	Windows Server: Administering	
CSIS-264	Ethical Cybersecurity Hacking	
CSIS-265	Computer Forensics Fundamentals	
Total Units		25-26

Plus General Education (<https://catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/>) and Elective Requirements

Certificates of Achievement

Any student who chooses to complete only the requirements listed above qualifies for a Certificate of Achievement in Cybersecurity and Networking. An official request must be filed with the Admissions and Records Office prior to the deadline stated in the Academic Calendar.

Data Science Certificate of Achievement



A certificate of achievement leading to an entry level position which specializes in the fundamentals of Data Science. Students completing this sequence will have enough basic Data Science skills to enable them to assist managers in small, medium, and large-sized organizations.

Code	Title	Units
Select one of the following:		
MATH-160	Elementary Statistics	3-4
BIO-215	Statistics for Life Sciences	
or ANTH-215	Statistics for the Behavioral Sciences	
or PSY-215	Statistics for the Behavioral Sciences	
or SOC-215	Statistics for the Behavioral Sciences	
or ECON-215	Statistics for Business and Economics	
GEOG-104	Introduction to Geographic Information Science	3
CSIS-276	Introduction to SQL	3
or CSIS-180	Fundamentals of Database Design	
CSIS-250	Introduction to Python Programming	4
PSC-120	Fundamentals of Scientific Computing (MATLAB)	4
or CSIS-110	Principles of Information Systems	
Total Units		17-18

Drone Cinematography Certificate of Proficiency



The Drone Cinematography Program Certificate of Proficiency provides 180 hours of instruction and hands-on flight training. This program covers hands-on flight training and test preparation for the FAA 107 drone pilots examination. The two non-credit courses in the program includes both basic and advanced cinematography techniques with an emphasis on developing "lifestyle" shots and a creative mindset. The theory and operations of both standard and advanced/precision camera shots is combined with operational scenarios in order to provide students with

the ability to match specific and advanced flight profiles for the shots needed.

The Program-level Student Learning Outcomes (PSLOs) below are outcomes that students will achieve after completing specific certificate requirements in this program. Students will:

1. Know how to set-up and use the drone camera
2. Learn flight maneuvers and techniques used in drone cinematography
3. Be able to apply to several drone sourcing companies and get immediate work as a Drone Real Estate Photographer
4. Know how to apply for drone jobs and set-up an online portfolio to promote drone work

Certificate of Proficiency Requirements:

Note: All non-credit courses must be completed with a "pass" credit.

Code	Title	Units
CSIS-070	Drone Flight School	0
CSIS-072	Drone Surveying & Mapping	0

Drone Mapping Certificate of Proficiency



The Drone Mapping Program Certificate of Proficiency provides 180 hours of instruction and hands-on flight training. This program covers hands-on flight training and test preparation for the FAA 107 drone pilots examination. This program includes the drone flight school non-credit course and the drone mapping non-credit course. Program covers theory and operations of common sensors used by the operators of unmanned aircraft systems in different industrial applications. Theory is combined with operational scenarios and flying actual missions. Ample flight time is provided to fully train the students with the ability to match specific sensors with anticipated missions. The flight operators will be versed in all operations as listed and will be industry ready upon completion. This mapping course teaches pilots how to do precision mapping missions and data collection for industry.

The Program-level Student Learning Outcomes (PSLOs) below are outcomes that students will achieve after completing specific certificate requirements in this program. Students will:

1. Learn how to do precision mapping missions and data collection for industry
2. Participate in flight missions and apply flight theory
3. Learn flight theory combined with operational scenarios
4. Learn operations of common sensors used by operators of unmanned aircraft systems in different industrial applications

Certificate of Proficiency Requirements:

Note: All non-credit courses must be completed with a "pass" credit.

Code	Title	Units
CSIS-070	Drone Flight School	0
CSIS-072	Drone Surveying & Mapping	0

General Studies AS - Science and Quantitative Reasoning

To meet the General Studies degree requirements, a student must complete the following:

- I. **AA/AS General Education Requirements (see Degree Requirements section of the catalog).**
- II. **Choose a minimum of 18 units. Minimum 3 units from Science and 3 units from Analytical Thinking and Quantitative Reasoning.**

The remaining units can be taken from either category.

This emphasis is intended to involve inquiry into the physical universe and its life forms with consideration of facts and principles which form the foundations of living and non-living systems. Students will explore scientific methodologies as investigative tools, the acquisition and use of evidence, and the past and present influences of science on world civilizations. Understanding and analysis of basic mathematical and quantitative reasoning including analytical thinking concepts will be explored.

The Program-level Student Learning Outcomes (PSLOs) below are outcomes that students will achieve after completing specific degree / certificate requirements in this program. Students will:

1. Solve problems using fundamentals of mathematics, natural and/or computer science.
2. Utilize mathematical skills to analyze data and/or solve problems.
3. Analyze basic concepts of physical and biological science to evaluate scientific information and solve scientific problems.

Code	Title	Units
Science		
ANTH-130	Introduction to Biological Anthropology	
ANTH-131	Biological Anthropology Laboratory	
ASTR-110	Descriptive Astronomy	
ASTR-112	General Astronomy Laboratory	
ASTR-120	Exploration of the Solar System	
BIO-105	Marine Biology	
BIO-110	Environmental Biology	
BIO-112	Contemporary Issues in Environmental Resources	
BIO-114	Heredity, Evolution and Society	
BIO-118	Introduction to Human Biology	
BIO-120	Principles of Biology	
BIO-140	Human Anatomy	
BIO-141	Human Physiology	
BIO-141L	Laboratory in Human Physiology	
BIO-144	Anatomy and Physiology I	
BIO-145	Anatomy and Physiology II	
BIO-150	Field Study of the Natural History of the Greater San Diego Region	
BIO-152	Paramedical Microbiology	

BIO-230	Principles of Cellular, Molecular and Evolutionary Biology
BIO-240	Principles of Ecology, Evolution and Organismal Biology
CHEM-102	Introduction to General, Organic and Biological Chemistry
CHEM-110	Environmental Chemistry
CHEM-113	Forensic Chemistry
CHEM-115	Fundamentals of Chemistry
CHEM-116	Introductory Organic and Biochemistry
CHEM-117	Introductory Biochemistry
CHEM-120	Preparation for General Chemistry
CHEM-141	General Chemistry I
CHEM-142	General Chemistry II
CHEM-231	Organic Chemistry I
CHEM-232	Organic Chemistry II
CHEM-241	Organic Chemistry I Lecture
CHEM-241L	Organic Chemistry I Laboratory
CHEM-242	Organic Chemistry II Lecture
CHEM-242L	Organic Chemistry II Laboratory
GEOG-120	Physical Geography: Earth Systems
GEOG-121	Physical Geography: Earth Systems Laboratory
GEOG-140	Meteorology: Weather and Climate
GEOG-150	Field Study of the Natural History of the Greater San Diego Region
GEOL-104	Earth Science
GEOL-110	Planet Earth
GEOL-111	Planet Earth Laboratory
GEOL-121	Earth History
GEOL-150	Field Study of the Natural History of the Greater San Diego Region
GEOL-210	Geology of California
GEOL-220	Geology of the National Parks
GEOL-230	Natural Disasters
OCEA-112	Introduction to Oceanography
OCEA-113	Oceanography Laboratory
OCEA-150	Field Study of the Natural History of the Greater San Diego Region
PSC-100	Physical Science for Elementary Education
PSC-110	Introduction to the Physical Sciences
PSC-111	Introduction to Physical Sciences Laboratory
PHYC-110	Introductory Physics
PHYC-130	Fundamentals of Physics
PHYC-131	Fundamentals of Physics
PHYC-140	Mechanics of Solids
PHYC-201	Mechanics and Waves
PHYC-202	Electricity, Magnetism, and Heat
PHYC-203	Light, Optics, and Modern Physics
PHYC-240	Electricity, Magnetism, and Heat
PHYC-241	Light, Optics, and Modern Physics
SCI-110	Introduction to Scientific Thought

Analytical Thinking and Quantitative Reasoning

ANTH-215	Statistics for the Behavioral Sciences
BIO-215	Statistics for Life Sciences
CSIS-119	Introduction to Computer Programming
CSIS-165	Assembly Language and Machine Architecture
CSIS-240	Discrete Structures
CSIS-250	Introduction to Python Programming
CSIS-251	Intermediate Python Programming and Fundamental Data Structures
CSIS-255	Introduction to Programmable Logic Controllers
CSIS-293	Introduction to Java Programming
CSIS-294	Intermediate Java Programming and Fundamental Data Structures
CSIS-296	Introduction to C++ Programming
CSIS-297	Intermediate C++ Programming
ECON-215	Statistics for Business and Economics
GEOG-104	Introduction to Geographic Information Science
MATH-120	Quantitative Reasoning
MATH-125	Structure and Concepts of Elementary Mathematics I
MATH-126	Structure and Concepts of Elementary Mathematics II
MATH-150	Introduction to Computer Programming Applications in Mathematics
MATH-160	Elementary Statistics
MATH-170	Analytic Trigonometry
MATH-175	College Algebra
MATH-176	Precalculus: Functions and Graphs
MATH-178	Calculus for Business, Social and Behavioral Sciences
MATH-180	Analytic Geometry and Calculus I
MATH-245	Discrete Mathematics
MATH-280	Analytic Geometry and Calculus II
MATH-281	Multivariable Calculus
MATH-284	Linear Algebra
MATH-285	Differential Equations
PHIL-125	Critical Thinking
PHIL-130	Logic
PSC-120	Fundamentals of Scientific Computing (MATLAB)
PSY-215	Statistics for the Behavioral Sciences
SOC-215	Statistics for the Behavioral Sciences

Geology Associate in Science



Geology is the scientific study of the planet earth. Geologists study the origin and evolution of the earth and various life forms, the composition of the earth, its structures, and the many processes which modify

the earth's crust. Geology is an interdisciplinary science with many applied aspects including: the study of natural resources such as water, petroleum, and minerals; the mitigation of earth's hazards such as earthquakes, landslides, and volcanoes; and land use planning. Students who are curious about our planet and its environment, and want to meet the challenges presented by the interaction of humans with the earth should consider geology as a major.

The curriculum leads to the Associate in Science degree in Geology and will prepare students for upper division coursework at a baccalaureate institution. However, it is recommended that students consult the catalog of the transfer institution for specific course requirements.

Career Opportunities

<https://www.grossmont.edu/student-support/career-center/resources.php>

Engineering Geologist¹
 Environmental Geologist¹
 Geochemist¹
 Geology Assistant
 Geophysicist¹
 Hydrogeologist¹
 Marine Geologist¹
 Mineralogist¹
 Oceanographer¹
 Paleobotanist / Paleontologist¹
 Petroleum Geologist¹
 Petrologist¹
 Seismologist¹
 Soils Technician
 Teacher / Professor¹
 Volcanologist¹
 Waste Management Geologist¹

¹ Bachelor's Degree or higher required.

The Program-level Student Learning Outcomes (PSLOs) below are outcomes that students will achieve after completing specific degree / certificate requirements in this program. Students will:

1. Recognize and explain the role of fundamental geologic principles, such as plate tectonic theory and deep time, in the interpretation of observed geologic phenomena.
2. Research, evaluate, and cite scientific information in order to formulate coherent summaries of earth processes.
3. Define the scientific method and apply it to observed geologic phenomena.
4. Interpret geologic processes using underlying chemical properties and physical laws.
5. Measure, manipulate, and interpret scientific data.

Associate Degree Major Requirements

Code	Title	Units
CHEM-141	General Chemistry I	5
CHEM-142	General Chemistry II	5
GEOL-110	Planet Earth	3
GEOL-111	Planet Earth Laboratory	1
GEOL-121	Earth History	4

MATH-180	Analytic Geometry and Calculus I	5
Select two of the following:		8-10
BIO-120	Principles of Biology	
MATH-280	Analytic Geometry and Calculus II	
PHYC-201	Mechanics and Waves	
PHYC-202	Electricity, Magnetism, and Heat	
Select a minimum of six units from the following:		6
GEOG-104	Introduction to Geographic Information Science	
ASTR-110	Descriptive Astronomy	
GEOG-120	Physical Geography: Earth Systems	
GEOG-140	Meteorology: Weather and Climate	
GEOL-150	Field Study of the Natural History of the Greater San Diego Region	
GEOL-162	Geologic Field Studies: Southern California Mountain Areas	
GEOL-163	Geologic Field Studies: Mojave Desert and Adjacent Areas	
GEOL-164	Geologic Field Studies: Southern California Coastal Areas	
GEOL-165	Geologic Field Studies: Colorado Desert/Salton Trough Area	
GEOL-172	Field Exploration: Colorado Plateau	
GEOL-173	Field Exploration: Cascade Range/Modoc Plateau	
GEOL-174	Field Exploration: Basin and Range Province	
GEOL-175	Field Exploration: California Coastal Mountains	
GEOL-176	Field Exploration: Sierra Nevada	
GEOL-210	Geology of California	
GEOL-220	Geology of the National Parks	
GEOL-230	Natural Disasters	
OCEA-112	Introduction to Oceanography	
OCEA-113	Oceanography Laboratory	
Total Units		37-39

Plus General Education (<https://catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/>) and Elective Requirements



Associate Degree
for TransferSM

Geology for Transfer (AS-T)



The Associate in Science in Geology for Transfer (AS-T) degree is designed to facilitate transfer to a California State University in keeping with SB 1440. This degree reflects the Transfer Model Curriculum

(TMC) supported by the Statewide Academic Senate. A total of 27 units are required to fulfill the major portion of this degree. Students must also complete the California State University (CSU) General Education Breadth requirements or the Intersegmental General Education Transfer Curriculum (IGETC) (see the “General Education Requirements and Transfer Information” section of the catalog). Students planning to transfer to SDSU should consult with a counselor.

The following requirements must be met to be awarded the Associate in Science in Geology for Transfer (AS-T) degree:

1. Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
 - a. The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirement.
 - b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0. Students are also required to earn a “C” grade or higher or “Pass” in all courses required for the major.

Geology is the scientific study of the planet earth. Geologists study the origin and evolution of the earth and various life forms, the composition of the earth, its structure, and the many processes that modify the earth's crust. Geology is an interdisciplinary science with many applied aspects including: the study of natural resources such as water, petroleum, and minerals; the mitigation of earth's hazards such as earthquakes, landslides, and volcanoes; and land use planning. Students who are curious about our planet and its environment, and want to meet the challenges presented by the interaction of humans with the earth should consider geology as a major.

The Earth Sciences Department strives to impart the following **Program-level Student Learning Outcomes (PSLOs)** through the successful completion of the specific degree requirements in this program. Students will:

1. Recognize and explain the role of fundamentals geologic principles, such as plate tectonic theory and deep time, in the interpretation of observed geologic phenomena.
2. Research, evaluate, and cite scientific information in order to formulate coherent summaries of earth processes.
3. Define the scientific method and apply it to observed geologic phenomena.
4. Interpret geologic processes using underlying chemical properties and physical laws. Measure, manipulate, and interpret scientific data.

Associate Degree Major Requirements

Code	Title	Units
GEOL-110	Planet Earth	3
GEOL-111	Planet Earth Laboratory	1
GEOL-121	Earth History	4
CHEM-141	General Chemistry I	5
CHEM-142	General Chemistry II	5
MATH-180	Analytic Geometry and Calculus I	5
MATH-280	Analytic Geometry and Calculus II	4
Units for the major		27

Plus General Education Requirements (CSU GE or IGETC) (<https://catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/>)

Total Units **60**

Complete transferable units as needed to reach 60.

Students completing IGETC may be awarded the degree, but they must complete a course from Area 1C: Oral Communication to meet CSU admission requirements.

Information Technology Support Specialist Associate in Science and Certificate of Achievement



The Computer Science Information Systems curricula provides a foundation in computing and information systems serving the diverse goals of the Grossmont community: employment in various phases of the computing industry, transfer to a baccalaureate institution for continued study in the computer and information sciences, training in selected topics for application in other professions or for personal enrichment, and advanced study for returning computing professionals. Throughout, emphasis is placed on blending fundamental theory and technique with practical applications in business, scientific and academic computing. A guiding principle is the use of intense hands-on instruction with state-of-the-art computer technology.

Five related but distinct areas of emphasis designed to provide corresponding job entry points are available as two-year curricula: Computer Programming, Web Design and Software Engineering. Completion of the Computer Science Information Systems core courses or their equivalent plus any one area of emphasis satisfies the major requirements for the Associate Degree.

The Information Technology Support Specialist degree will provide a student with sufficient skills to obtain a position in industry as an Information Technology Support Specialist. The skills to be gained with this degree include familiarity with the most popular desktop computer operating systems as well as hands-on experience with the associated hardware, networking, and web development software. An official request from the student must be filed with the Admissions and Records Office prior to the deadline stated in the yearly calendar listed in the class schedule and catalog.

The **Program-level Student Learning Outcomes (PSLOs)** below are outcomes that students will achieve after completing specific degree / certificate requirements in this program. Students will: Transfer, enter the workforce, and promote life-long learning.

Career Opportunities

<https://www.grossmont.edu/student-support/career-center/resources.php>

- Computer Support Specialist
- Communications Technician
- Computer Maintenance Technician

Computer Systems Analysts¹
 Database Administrators¹
 Information Specialist¹
 LAN (Local Area Network) Administrator
 Network Systems & Data Communication Analysts
 Office Administrators
 Programmer
 Software Engineers¹
 Software Technician
 Systems Analyst¹
 Technical Support Representative

¹ Bachelor's Degree or higher required.

The Program-level Student Learning Outcomes (PSLOs) below are outcomes that students will achieve after completing specific degree / certificate requirements in this program.

Students will perform computer end user support including identifying and implementing solutions to user requests.

1. Analyze and evaluate a computer-related situation in a business and/or scientific environment to identify a potential problem.
2. Design a technologically feasible and efficient solution.
3. Construct and complete the solution.
4. Demonstrate and explain the solution.

Similar Course List

The following Grossmont and Cuyamaca College courses are considered similar enough to be accepted in the major for local Computer Science degrees in the district. No Modification of Major forms are required at either campus.

Grossmont Course	Similar Cuyamaca Course
CSIS-112	CIS-190
CSIS-113	CIS-191
CSIS-119	CS-119
CSIS-132	CIS-211
CSIS-133	CIS-213
CSIS-135	CIS-215
CSIS-180	CIS-140
CSIS-293	CS-182
CSIS-294	CS-282
CSIS-296	CS-181
CSIS-297	CS-281

Associate Degree Major Requirements

Code	Title	Units
CSIS-110	Principles of Information Systems	4
CSIS-112	Windows Operating System	3
CSIS-113	Introduction to Linux	3
CSIS-120	Computer Maintenance and A+ Certification	3
CSIS-125	Network + Certification	3
CSIS-132	Introduction to Web Development	3

Plus General Education and Elective Requirements (<https://catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/>)

Total Units

19

Plus General Education (<https://catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/>) and Elective Requirements

Certificates of Achievement

Any student who chooses to complete only the requirements listed above qualifies for a Certificate of Achievement in Information Technology Support Specialist. An official request must be filed with the Admissions and Records Office prior to the deadline stated in the Academic Calendar

Information Technology Technician Certificate of Proficiency



This certificate prepares a student with the basic skills to enter a position in industry as an Information Technology Technician. The skills to be gained with this certificate include familiarity with the two most popular desktop computer operating systems as well as with hands-on experience with the associated hardware.

Code	Title	Units
CSIS-112	Windows Operating System	3
CSIS-113	Introduction to Linux	3
CSIS-120	Computer Maintenance and A+ Certification	3
CSIS-125	Network + Certification	3
Total Units		12

Certificates of Proficiency are designed for the student who needs to be prepared to enter an entry-level job. A department-issued certificate may be awarded upon successful completion of a prescribed course of study. This certificate will not appear on a student's transcript.

Mathematics Associate in Science



The mathematics major offers a foundation for further study in mathematics and other mathematics-related fields. The emphasis of the program is to prepare the students for transfer to four-year institutions.

Career Opportunities

<https://www.grossmont.edu/student-support/career-center/resources.php>

Accountant¹
 Actuary¹
 Budget Analyst¹

Data Processing Manager
 Department Head, College¹
 Economist¹
 Engineer¹
 Financial Planner¹
 Insurance Agent / Broker²
 Loan Officer
 Management Trainee
 Market Research Analyst¹
 Mathematical Biologist, Bioinformatics¹
 Operations Research Analyst¹
 Mathematician¹
 Securities Trader¹
 Statistician¹
 Surveyor
 Teacher¹

¹ Bachelor's Degree or higher required.
² Bachelor Degree normally recommended.

The Associate in Science degree in Mathematics offers a solid foundation for further study in mathematics and other mathematics related fields. The primary emphasis of the mathematics major program is to prepare the students for transfer to four-year institutions. Students should consult the catalog of the transfer school being considered for specific requirements.

The Program-level Student Learning Outcomes (PSLOs) below are outcomes that students will achieve after completing specific degree / certificate requirements in this program. Students will:

1. Use appropriate theorems, formulas, and algorithms to solve mathematical problems from algebra, trigonometry, calculus and geometry.
2. Use appropriate technology to solve problems requiring mathematics.
3. Formulate, analyze, and differentiate mathematical functions numerically, graphically and symbolically and transition between these representations.
4. Communicate the mathematical process and assess the validity of the solution.

Associate Degree Major Requirements

Code	Title	Units
MATH-180	Analytic Geometry and Calculus I	5
MATH-280	Analytic Geometry and Calculus II	4
MATH-281	Multivariable Calculus	4
MATH-284	Linear Algebra	3
Select one of the following:		3-5
MATH-160	Elementary Statistics	
MATH-245	Discrete Mathematics	
MATH-285	Differential Equations	
PHYC-201	Mechanics and Waves	
CSIS-293	Introduction to Java Programming	
CSIS-296	Introduction to C++ Programming	
Total Units		19-21

Plus General Education (<https://catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/>) and Elective Requirements



Mathematics for Transfer (AS-T)

The Associate in Science in Mathematics for Transfer (AS-T) degree is designed to facilitate transfer to a California State University in keeping with SB 1440. This degree reflects the Transfer Model Curriculum (TMC) supported by the statewide Academic Senate. A total of 19-21 units are required to fulfill the major portion of this degree. Students must also complete the California State University (CSU) General Education Breadth requirements or the Intersegmental General Education Transfer Curriculum (IGETC) (see the "General Education Requirements and Transfer Information" section of the catalog). Students planning to transfer to SDSU should consult with a counselor.

The following requirements must be met to be awarded an Associate in Science in Mathematics for Transfer (AS-T) degree:

1. Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
 - a. The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirement.
 - b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0. Students are also required to earn a "C" grade or higher or "Pass" in all courses required for the major.

Mathematics has become essential and pervasive in the workplace. The study of mathematics provides a foundation for problem solving and logical reasoning skills. In today's highly technological society, the study of mathematics has become increasingly important. The Associate in Science degree in Mathematics offers a solid foundation for further study in mathematics and other mathematics-related fields. The primary emphasis of the mathematics major program is to prepare students for transfer to four-year institutions. Students should consult the catalog of the transfer school being considered for its specific requirements.

The Mathematics Department strives to impart the following Program-level Student Learning Outcomes (PSLOs) through the successful completion of the degree requirements. Students will:

1. Use appropriate theorems, formulas, and algorithms to solve mathematical problems from algebra, trigonometry, calculus and geometry.
2. Use appropriate technology to solve problems requiring mathematics.
3. Formulate, analyze, and differentiate mathematical functions numerically, graphically and symbolically and transition between these representations.
4. Communicate the mathematical process and assess the validity of the solution.

Associate Degree Major Requirements

Code	Title	Units
Required Core		
MATH-180	Analytic Geometry and Calculus I	5
MATH-280	Analytic Geometry and Calculus II	4
MATH-281	Multivariable Calculus	4
List A		3
Select one of the following:		
MATH-284	Linear Algebra	
MATH-285	Differential Equations	
List B		
Select one of the following:		3-5
MATH-160	Elementary Statistics	
MATH-245	Discrete Mathematics	
MATH-285	Differential Equations	
PHYC-201	Mechanics and Waves	
CSIS-293	Introduction to Java Programming	
CSIS-296	Introduction to C++ Programming	
Units for the major		19-21
Plus General Education Requirements (CSU GE or IGETC) (https://catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/)		37-39
Total Units		60

Complete transferable units as needed to reach 60.

Students completing IGETC may be awarded the degree, but they must complete a course from Area 1C: Oral Communication to meet CSU admission requirements.

Network and Cybersecurity Technician Certificate of Proficiency



This certificate prepares a student with the basic skills to enter a position in industry as a Network and Cybersecurity Technician. The skills to be gained with the certificate include familiarity with the Linux operating system, computer networks, network security, and ethical hacking or computer forensics.

Code	Title	Units
CSIS-113	Introduction to Linux	3
CSIS-121	Introduction to Cybersecurity	3
CSIS-125	Network + Certification	3
CSIS-263	Security + Certification	3
Total Units		12

Certificates of Proficiency are designed for the student who needs to be prepared to enter an entry-level job. A department-issued certificate may be awarded upon successful completion of a prescribed course of study. This certificate will not appear on a student's transcript.

Oceanography Associate in Science



Oceanography applies an eclectic mix of natural sciences to the study of the world's oceans. Physics, chemistry, biology, geology, geography, meteorology and even astronomy contribute to understanding the composition, structure and motion of seawater, and its interaction with the lithosphere, atmosphere and biosphere.

Although a few four-year institutions offer undergraduate degrees in oceanography, students who pursue oceanographic studies typically complete undergraduate degrees in one or more of the aforementioned natural sciences, then later apply that knowledge to graduate study in oceanography. The associate degree in oceanography outlined below provides beginning lecture, lab and field courses in oceanography, plus a solid foundation of math and appropriate science courses upon which transferring students can build baccalaureate degrees that are later applied in graduate oceanographic studies.

Career Opportunities

<https://www.grossmont.edu/student-support/career-center/resources.php>

Aquarist
 Boat Captain
 Chemical Oceanographer¹
 Climatologist¹
 Environmental Advocate
 Marine Archaeologist¹
 Marine Biologist¹
 Marine Economist¹
 Marine Geologist / Geophysicist¹
 Marine Lawyer¹
 Marine Policy Specialist¹
 Ocean Engineer¹
 Ocean Fisheries Specialist¹
 Ocean Resource Management¹
 Ocean Technician
 Physical Oceanographer¹
 Teacher¹

¹ Bachelor's degree or higher required.

The Program-level Student Learning Outcomes (PSLOs) below are outcomes that students will achieve after completing specific degree / certificate requirements in this program.

1. Students will find, use and evaluate resources for oceanographic information.

Associate Degree Major Requirements

Code	Title	Units
CHEM-141	General Chemistry I	5
CHEM-142	General Chemistry II	5
GEOL-110	Planet Earth	3
MATH-180	Analytic Geometry and Calculus I	5

OCEA-112	Introduction to Oceanography	3
OCEA-113	Oceanography Laboratory	1
Select two of the following:		8-10
BIO-105	Marine Biology	
BIO-120	Principles of Biology	
MATH-280	Analytic Geometry and Calculus II	
PHYC-201	Mechanics and Waves	
PHYC-202	Electricity, Magnetism, and Heat	
Select six units from the following:		6
BIO-110	Environmental Biology	
BIO-132	Mammals of the Sea	
CHEM-110	Environmental Chemistry	
GEOG-104	Introduction to Geographic Information Science	
GEOG-120	Physical Geography: Earth Systems	
GEOG-140	Meteorology: Weather and Climate	
GEOL-121	Earth History	
GEOL-162	Geologic Field Studies: Southern California Mountain Areas	
GEOL-163	Geologic Field Studies: Mojave Desert and Adjacent Areas	
GEOL-164	Geologic Field Studies: Southern California Coastal Areas	
GEOL-165	Geologic Field Studies: Colorado Desert/Salton Trough Area	
GEOL-172	Field Exploration: Colorado Plateau	
GEOL-173	Field Exploration: Cascade Range/Modoc Plateau	
GEOL-174	Field Exploration: Basin and Range Province	
GEOL-175	Field Exploration: California Coastal Mountains	
GEOL-176	Field Exploration: Sierra Nevada	
GEOL-210	Geology of California	
GEOL-220	Geology of the National Parks	
GEOL-230	Natural Disasters	
OCEA-150	Field Study of the Natural History of the Greater San Diego Region	

Total Units **36-38**

Plus General Education (<https://catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/>) and Elective Requirements

Physics Associate in Science



The Associate in Science Physics Degree Program offers a secure foundation for further study in physics or engineering. The primary emphasis of the program is to prepare students for transfer to four-year institutions as science or engineering majors. Students are asked to consult the catalog of the transfer institution for specific requirements.

In addition to the required and elective courses, physics students are expected to attend at least four physics or engineering colloquia in their last semester.

Career Opportunities

<https://www.grossmont.edu/student-support/career-center/resources.php>

- Aerodynamist¹
- Airplane Navigator¹
- Air Pollution Operating Specialist
- Ballistics Expert
- Engineer (Mechanical, Electrical)¹
- Hydrologist¹
- Instructor / Professor¹
- Industrial Hygienist
- Pharmacist¹
- Physicist (Mechanical, Laser, Electrical, Optics, etc.)¹
- Premedical¹

¹ Bachelor's Degree or higher required.

The Program-level Student Learning Outcomes (PSLOs) below are outcomes that students will achieve after completing specific degree / certificate requirements in this program.

1. Students will apply the fundamental principles of physics to real world or idealized situations.

Associate Degree Major Requirements

Code	Title	Units
CHEM-141	General Chemistry I	5
CHEM-142	General Chemistry II	5
MATH-180	Analytic Geometry and Calculus I	5
MATH-280	Analytic Geometry and Calculus II	4
MATH-281	Multivariable Calculus	4
PHYC-201	Mechanics and Waves	5
PHYC-202	Electricity, Magnetism, and Heat	5
PHYC-203	Light, Optics, and Modern Physics	5
Total Units		38

Plus General Education (<https://catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/>) and Elective Requirements



Associate Degree
for TransferSM

Physics for Transfer (AS-T)



The Associate in Science in Physics for Transfer (AS-T) degree is designed to facilitate transfer to a California State University in keeping

with SB 1440. This degree reflects the Transfer Model Curriculum (TMC) supported by the Statewide Academic Senate. A total of 28 units are required to fulfill the major portion of this degree. Students must also complete the California State University (CSU) General Education Breadth requirements or the Intersegmental General Education Transfer Curriculum (IGETC) (see the "General Education Requirements and Transfer Information" section of the catalog). Students planning to transfer to SDSU should consult with a counselor.

The following requirements must be met to be awarded an Associate in Science in Physics for Transfer (AS-T) degree:

1. Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
 - a. The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirement.
 - b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0. Students are also required to earn a "C" grade or higher or "Pass" in all courses required for the major.

The Associate of Science in Physics for Transfer Degree Program offers a secure foundation for further study in physics or engineering. The primary emphasis of the program is to prepare students for transfer to four-year institutions as science or engineering majors. Students are asked to consult the catalog of the transfer institution for specific requirements.

The Program-level Student Learning Outcomes (PSLOs) below are outcomes that students will achieve after completing specific degree / certificate requirements in this program. Students will apply the fundamental principles of physics to real world or idealized situations.

Associate Degree Major Requirements

Code	Title	Units
Required Core		
PHYC-201	Mechanics and Waves	5
PHYC-202	Electricity, Magnetism, and Heat	5
PHYC-203	Light, Optics, and Modern Physics	5
MATH-180	Analytic Geometry and Calculus I	5
MATH-280	Analytic Geometry and Calculus II	4
MATH-281	Multivariable Calculus	4
Units in the major		28
Plus General Education Requirements (CSU GE or IGETC) (https://catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/)		37-39
Total Units		60

Complete transferable units as needed to reach 60.

Students completing IGETC may be awarded the degree, but they must complete a course from Area 1C: Oral Communication to meet CSU admission requirements.

Programmable Logic Controllers Certificate of Achievement



This Certificate of Achievement is preparing students for entry level positions programming PLCs for industrial automation. The curriculum provides the student with practical experience using the state-of-the-art software and hardware typically found in the field of industrial automation.

The Program-level Student Learning Outcomes (PSLOs) below are outcomes that students will achieve after completing specific degree / certificate requirements in this program. Students will:

1. Students will be able to program the Programmable Logic Controllers and Distributed Controller Systems.
2. Students will be able to implement industrial automation solutions using Programmable Logic Controllers or Distributed Controller Systems.
3. Students will be able to demonstrate and explain their solutions.

Code	Title	Units
CSIS-112	Windows Operating System	3
or CSIS-113	Introduction to Linux	
CSIS-119	Introduction to Computer Programming	3
CSIS-121	Introduction to Cybersecurity	3
CSIS-250	Introduction to Python Programming	4
CSIS-255	Introduction to Programmable Logic Controllers	4
Total Units		17

University Studies - Mathematics and Natural Science and Computer Science (AS)

The Associate Degree in University Studies is intended to accommodate the differing requirements of a wide variety of transfer institutions and major options. Because admission and major preparation requirements vary at each four-year transfer institution, courses used to complete this degree should be selected with the assistance of a counselor.

The completion of the University Studies Degree does not guarantee acceptance into either a baccalaureate major or a four-year institution.

Requirements

1. **California State University (CSU) General Education Breadth**
 1. Complete CSU General Education Breadth (see Transfer Information and Degree Requirements in college catalog).
 2. Earn a grade of "C" or higher or "Pass" for all courses in Area A and the Mathematical/Quantitative Reasoning courses in Area B.
 3. Complete a minimum of 18 units (listed below) with a "C" grade or higher or "Pass".

4. Complete a minimum of 60 degree applicable CSU transferable semester units. (All courses included in each area of emphasis are CSU transferable.)
 5. Earn a cumulative GPA of 2.0 in all college coursework completed.
 6. Meet Grossmont College residence requirements for graduation (see Degree Requirements in college catalog).
 7. Students pursuing a University Studies degree in Mathematics and Natural Science and Computer Science are eligible to use CSU for STEM to fulfill the general education requirements of this degree.
- or

II. Intersegmental General Education Transfer Curriculum (IGETC) for CSU or UC

1. Complete IGETC Certification (see Transfer Information and Degree Requirements in college catalog).
2. Earn a grade of "C" or higher or "Pass" in all IGETC courses.
3. Complete a minimum of 18 units (listed below) with a "C" grade or higher or "Pass".
4. Complete a minimum of 60 degree applicable UC transferable semester.
Courses that are non-UC transferable are indicated by (*). Additional UC transferable units may be chosen as electives.
5. Earn a cumulative GPA of 2.0 in all college coursework completed.
6. Meet Grossmont College residence requirements for graduation (see Degree Requirements in college catalog).
7. Students pursuing a University Studies degree in Mathematics and Natural Science and Computer Science are eligible to use IGETC for STEM to fulfill the general education requirements of this degree.

While 18 units are required in a specific area to meet the requirements of the degree, it is strongly recommended that as many lower division preparation for the major courses as possible be completed at the community college prior to transfer. Cross-listed courses receive credit for only one course. Some baccalaureate majors and four-year institutions require a higher GPA than is necessary for the Associate Degree. Completion of the University Studies Degree does not guarantee admission to a four-year institution.

The Program-level Student Learning Outcomes (PSLOs) are outcomes that students who complete a degree/certificate in this program will be able to achieve upon degree/certificate completion. The PSLOs for the University Studies degree in **Mathematics, Natural Science, and Computer Science** are:

1. Solve complex problems using mathematics, natural and/or computer science.
2. Utilize high level mathematical skills to analyze data and/or solve problems.
3. Analyze concepts of physical and biological science to evaluate scientific information and solve scientific problems.

Courses in this major focus on the study of mathematical and quantitative reasoning skills and apply the facts and principles that form the foundations of living and non-living systems. Students recognize and utilize the methodologies of science as investigative tools, as well as the limitations of science. Students use basic mathematical skills to solve numerical problems encountered in daily life, and more advanced skills for applications in the physical and life sciences. Students completing

this area may be interested in the following baccalaureate majors: astronomy, biological sciences, chemistry, computer science, engineering, geography, geology, mathematics, oceanography, physical science, and physics. **Students must complete a minimum of three units, or one course, in Mathematics, and a minimum of three units, or one course, in Natural Science or Computer Science. The remaining units may be taken from any category.**

Mathematics

Code	Title	Units
ANTH-215	Statistics for the Behavioral Sciences	
BIO-215	Statistics for Life Sciences	
MATH-150	Introduction to Computer Programming Applications in Mathematics	
MATH-160	Elementary Statistics	
MATH-170	Analytic Trigonometry ¹	
MATH-175	College Algebra	
MATH-176	Precalculus: Functions and Graphs	
MATH-178	Calculus for Business, Social and Behavioral Sciences	
MATH-180	Analytic Geometry and Calculus I	
MATH-245	Discrete Mathematics	
MATH-280	Analytic Geometry and Calculus II	
MATH-281	Multivariable Calculus	
MATH-284	Linear Algebra	
MATH-285	Differential Equations	
PSC-120	Fundamentals of Scientific Computing (MATLAB)	
PSY-215	Statistics for the Behavioral Sciences	
SOC-215	Statistics for the Behavioral Sciences	

¹ Non-UC transferable course.

Natural Science

Code	Title	Units
ANTH-130	Introduction to Biological Anthropology	
ANTH-131	Biological Anthropology Laboratory	
ASTR-110	Descriptive Astronomy	
ASTR-112	General Astronomy Laboratory	
ASTR-120	Exploration of the Solar System	
BIO-105	Marine Biology	
BIO-110	Environmental Biology	
BIO-112	Contemporary Issues in Environmental Resources	
BIO-114	Heredity, Evolution and Society	
BIO-118	Introduction to Human Biology	
BIO-120	Principles of Biology	
BIO-140	Human Anatomy	
BIO-141	Human Physiology	
BIO-141L	Laboratory in Human Physiology	
BIO-144	Anatomy and Physiology I	
BIO-145	Anatomy and Physiology II	
BIO-152	Paramedical Microbiology	

BIO-230	Principles of Cellular, Molecular and Evolutionary Biology
BIO-240	Principles of Ecology, Evolution and Organismal Biology
CHEM-102	Introduction to General, Organic and Biological Chemistry
CHEM-110	Environmental Chemistry
CHEM-113	Forensic Chemistry
CHEM-115	Fundamentals of Chemistry
CHEM-116	Introductory Organic and Biochemistry
CHEM-117	Introductory Biochemistry
CHEM-120	Preparation for General Chemistry
CHEM-141	General Chemistry I
CHEM-142	General Chemistry II
CHEM-231	Organic Chemistry I
CHEM-232	Organic Chemistry II
CHEM-241	Organic Chemistry I Lecture
CHEM-241L	Organic Chemistry I Laboratory
CHEM-242	Organic Chemistry II Lecture
CHEM-242L	Organic Chemistry II Laboratory
GEOG-104	Introduction to Geographic Information Science
GEOG-106	World Regional Geography
GEOG-120	Physical Geography: Earth Systems
GEOG-121	Physical Geography: Earth Systems Laboratory
GEOG-130	Human Geography: The Cultural Landscape
GEOG-140	Meteorology: Weather and Climate
GEOG-150	Field Study of the Natural History of the Greater San Diego Region
GEOG-170	The Geography of California
GEOL-104	Earth Science
GEOL-110	Planet Earth
GEOL-111	Planet Earth Laboratory
GEOL-121	Earth History
GEOL-150	Field Study of the Natural History of the Greater San Diego Region
GEOL-210	Geology of California
GEOL-230	Natural Disasters
OCEA-112	Introduction to Oceanography
OCEA-113	Oceanography Laboratory
OCEA-150	Field Study of the Natural History of the Greater San Diego Region
PHYC-110	Introductory Physics
PHYC-130	Fundamentals of Physics
PHYC-131	Fundamentals of Physics
PHYC-140	Mechanics of Solids
PHYC-201	Mechanics and Waves
PHYC-202	Electricity, Magnetism, and Heat
PHYC-203	Light, Optics, and Modern Physics
PHYC-240	Electricity, Magnetism, and Heat
PHYC-241	Light, Optics, and Modern Physics
PSC-100	Physical Science for Elementary Education

PSC-110	Introduction to the Physical Sciences
PSC-111	Introduction to Physical Sciences Laboratory
SCI-110	Introduction to Scientific Thought

Computer Science

Code	Title	Units
CSIS-165	Assembly Language and Machine Architecture	
CSIS-240	Discrete Structures ¹	
CSIS-250	Introduction to Python Programming ¹	
CSIS-251	Intermediate Python Programming and Fundamental Data Structures ¹	
CSIS-255	Introduction to Programmable Logic Controllers ¹	
CSIS-293	Introduction to Java Programming	
CSIS-294	Intermediate Java Programming and Fundamental Data Structures	
CSIS-296	Introduction to C++ Programming	
CSIS-297	Intermediate C++ Programming	

¹ Non-UC transferable course.

Web Design and Development Associate in Science and Certificate of Achievement



The Computer Science Information Systems curricula provides a foundation in computing and information systems serving the diverse goals of the Grossmont community: employment in various phases of the computing industry, transfer to a baccalaureate institution for continued study in the computer and information sciences, training in selected topics for application in other professions or for personal enrichment, and advanced study for returning computing professionals. Throughout, emphasis is placed on blending fundamental theory and technique with practical applications in business, scientific and academic computing. A guiding principle is the use of intense hands-on instruction with state-of-the-art computer technology.

Five related but distinct areas of emphasis designed to provide corresponding job entry points are available as two-year curricula: Computer Programming, Web Design and Software Engineering. Completion of the Computer Science Information Systems core courses or their equivalent plus any one area of emphasis satisfies the major requirements for the Associate Degree.

This program provides students with a well-rounded background in state-of-the-art technologies, knowledge and skills related to the in-demand fields of web design and development. Coursework involves significant hands-on and project centered experience and the opportunity to build portfolio assets. Emphasis is on being able to build and

maintain attractive, reliable and robust websites using popular methods, frameworks and toolkits.

Career Opportunities

<https://www.grossmont.edu/student-support/career-center/resources.php>

Computer Support Specialist
 Communications Technician
 Computer Maintenance Technician
 Computer Systems Analysts¹
 Database Administrators¹
 Information Specialist¹
 LAN (Local Area Network) Administrator
 Network Systems & Data Communication Analysts
 Office Administrators
 Programmer
 Software Engineers¹
 Software Technician
 Systems Analyst¹
 Technical Support Representative

¹ Bachelor's Degree or higher required.

The Program-level Student Learning Outcomes (PSLOs) below are outcomes that students will achieve after completing specific degree / certificate requirements in this program.

Students will perform computer end user support including identifying and implementing solutions to user requests.

1. Analyze and evaluate a computer-related situation in a business and/or scientific environment to identify a potential problem.
2. Design a technologically feasible and efficient solution.
3. Construct and complete the solution.
4. Demonstrate and explain the solution.

Similar Course List

The following Grossmont and Cuyamaca College courses are considered similar enough to be accepted in the major for local Computer Science degrees in the district. No Modification of Major forms are required at either campus.

Grossmont Course	Similar Cuyamaca Course
CSIS-112	CIS-190
CSIS-113	CIS-191
CSIS-119	CS-119
CSIS-132	CIS-211
CSIS-133	CIS-213
CSIS-135	CIS-215
CSIS-180	CIS-140
CSIS-293	CS-182
CSIS-294	CS-282
CSIS-296	CS-181
CSIS-297	CS-281

Associate Degree Major Requirements

Code	Title	Units
CSIS-132	Introduction to Web Development	3
CSIS-133	Intermediate Web Development	3
CSIS-135	JavaScript Programming	3
CSIS-151	Introduction to Photoshop	3
Select three of the following:		9-10
CSIS-112	Windows Operating System	
CSIS-113	Introduction to Linux	
CSIS-119	Introduction to Computer Programming	
CSIS-121	Introduction to Cybersecurity	
CSIS-147	Social Media and Internet Marketing	
CSIS-180	Fundamentals of Database Design	
CSIS-250	Introduction to Python Programming	
CSIS-276	Introduction to SQL	
CSIS-293	Introduction to Java Programming	
Total Units		21-22

Plus General Education (<https://catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/>) and Elective Requirements

Certificates of Achievement

Any student who chooses to complete only the requirements listed above qualifies for a Certificate of Achievement in Web Design and Development Specialist. An official request must be filed with the Admissions and Records Office prior to the deadline stated in the Academic Calendar.

Social and Behavioral Sciences



- Administration of Justice for Transfer (AS-T) (p. 198)
- Administration of Justice Geospatial Literacy Certificate of Proficiency (p. 199)
- Anthropology for Transfer (AA-T) (p. 199)
- Associate Teacher Certificate of Proficiency (p. 200)
- Child Development Master Teacher Associate in Science and Certificate of Achievement (p. 201)
- Child Development Site Supervisor Associate in Science and Certificate of Achievement (p. 202)
- Corrections Associate in Science and Certificate of Achievement (p. 203)
- Cross-Cultural Communication Skills Certificate of Proficiency (p. 203)
- Cross-Cultural Competence Certificate of Proficiency (p. 204)
- Cross-Cultural Skills, with Conversational-Level Second Language Certificate of Proficiency (p. 204)
- Early Childhood Education for Transfer Degree (AS-T) (p. 205)
- Educators Global Awareness Certificate of Proficiency (p. 206)
- Forensic Technology Associate in Science and Certificate of Achievement (p. 206)
- General Studies AA - Social and Behavioral Sciences (p. 207)
- Geographic Information Systems Literacy Certificate of Proficiency (p. 209)
- Geography Associate in Science (p. 209)
- Geography for Transfer (AA-T) (p. 210)
- Global Awareness and Appreciation Certificate of Proficiency (p. 210)
- Global Studies for Transfer Degree (AA-T) (p. 211)
- Latin American Studies Associate in Arts (p. 212)
- Law Enforcement Associate in Science and Certificate of Achievement (p. 212)
- Political Science Associate in Arts (p. 213)
- Political Science for Transfer (AA-T) (p. 214)
- Psychology for Transfer (AA-T) (p. 215)
- Security Management Associate in Science and Certificate of Achievement (p. 216)
- Sociology for Transfer (AA-T) (p. 217)
- University Studies - Social and Behavioral Sciences (AA) (p. 218)



Associate Degree for TransferSM

Administration of Justice for Transfer (AS-T)



The Associate in Science Administration of Justice for Transfer (AS-T) degree is designed to facilitate transfer to a California State University in keeping with SB 1440. This degree reflects the Transfer Model Curriculum (TMC) supported by the Statewide Academic Senate. A total of 18-19 units are required to fulfill the major portion of this degree. Students must also complete the California State University (CSU) General Education Breadth requirements or the Intersegmental General Education Transfer Curriculum (IGETC) (see the "General Education Requirements and Transfer Information" section of the catalog). Students planning to transfer to SDSU should consult with a counselor.

The following requirements must be met to be awarded an Associate in Science in Administration of Justice for Transfer (AS-T) degree:

1. Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
 - a. The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirement.
 - b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0. Students are also required to earn a "C" grade or higher or "Pass" in all courses required for the major.

The Associate in Science in Administration of Justice for Transfer (AS-T) degree is designed for students who are planning a career in Administration of Justice and wish to transfer to a CSU to complete a bachelor's degree in Criminal Justice. A student may apply for this degree in conjunction with an Associate in Science in Administration of Justice with an emphasis in Law Enforcement, Corrections, or Forensic Technology, provided the required courses are met for those emphasis degrees. Many of the required courses for the emphasis degrees meet the requirements for the transfer degree. A student should speak with a counselor to verify if requirements for the degree have been met.

The Program-level Student Learning Outcomes (PSLOs) below are outcomes that students will achieve after completing specific degree / certificate requirements in this program. Students will:

1. Demonstrate knowledge, skills, and abilities relevant to the AOJ degree program completed.
2. Demonstrate ethical and professional behavior.
3. Communicate effectively, in written, verbal and non-verbal forms.

4. Identify the major components of the criminal justice system, current and historical, including laws enforcement, courts and corrections.
5. Describe and/or demonstrate the stages of a criminal investigation and the protocol of evidence collection, preservation, and analysis.

Associate Degree Major Requirements

Note: All courses in the major must be completed with a letter grade of "C" or higher or "Pass."

Code	Title	Units
Required Core		
AOJ-110	Introduction to Administration of Justice	3
AOJ-200	Criminal Law	3
List A		
Select two of the following:		6
AOJ-125	Introduction to Corrections	
AOJ-202	Criminal Evidence	
AOJ-204	Criminal Trial Process	
AOJ-206	Criminal Investigation	
AOJ-208	Juvenile Procedures	
AOJ-240	Community and the Justice System	
List B		
Select two of the following:		6-7
Any List A course not used above or		
MATH-160	Elementary Statistics	
or ANTH-215/ PSY-215/ SOC-215	Statistics for the Behavioral Sciences	
POSC-121	Introduction to U.S. Government and Politics	
SOC-120	Introductory Sociology	
SOC-130	Contemporary Social Problems	
Units in the major		18-19
Plus General Education Requirements (CSU GE or IGETC) (https://catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/)		37-39
Total Units		60

Complete transferable units as needed to reach 60.

Students completing IGETC may be awarded the degree, but they must complete a course from Area 1C: Oral Communication to meet CSU admission requirements.

Administration of Justice Geospatial Literacy Certificate of Proficiency



Certificates of Proficiency are designed for the student who needs to be prepared to enter an entry-level job. A department-issued certificate may be awarded upon successful completion of a prescribed course of study. This certificate will not appear on a student's transcript.

The AOJ-Geospatial Literacy certificate provides the skills and knowledge valuable to an entry-level employment opportunity for the student that finishes the courses below. The skills in this certificate are aimed at a student preparing for a career in the administration of justice, including government or private-sector work. These careers can be enhanced with computer mapping skills. Students will gain familiarity using the latest cutting edge technology and GIS software that will enable them to analyze, interpret and manipulate crime data for problem solving applied to real world situations. In the AOJ field, examples include the databases that are used by ARJIS (the Automated Regional Justice Information System) and forensic geospatial analysis used within investigations. Entry level positions are available for someone who has skills in geospatial technologies coupled with an AOJ background.

Code	Title	Units
AOJ-110	Introduction to Administration of Justice	3
GEOG-104	Introduction to Geographic Information Science	3
Total Units		6



Associate Degree for TransferSM

Anthropology for Transfer (AA-T)



The Associate in Arts in Anthropology for Transfer (AA-T) degree is designed to facilitate transfer to a California State University in keeping with SB1440. A total of 19-21 units are required to fulfill the major portion of this degree. This degree reflects the Transfer Model Curriculum (TMC) supported by the statewide Academic Senate. Students must also complete the California State University (CSU) General Education Breadth requirements or the Intersegmental General Education Transfer Curriculum (IGETC) (see the "General Education Requirements and Transfer Information" section of the catalog). Students planning to transfer to SDSU should consult with a counselor.

The following requirements must be met to be awarded an Associate in Arts in Anthropology for Transfer (AA-T) degree:

1. Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
 - a. The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirement.
 - b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0. Students are also required to earn a "C" grade or higher or "Pass" in all courses required for the major.

Anthropology is the study of all aspects of humans, from the time of the earliest human ancestors to contemporary societies. Students of

anthropology learn to develop a broad perspective on humanity, apply scientific research methods, and work effectively in a multi-cultural environment. These competencies can help students succeed in a global society.

A major in anthropology offers a solid foundation for students planning undergraduate and graduate work in anthropology, archaeology, or related fields in the social sciences or life sciences. Anthropology is an excellent background for professional training in medicine, education, law, business or social work, and for careers in the private sector, government and non-profit organizations.

The Program-level Student Learning Outcomes (PSLOs) below are outcomes that students will achieve after completing specific degree / certificate requirements in this program. Students will:

1. Describe and apply anthropological perspectives and holistic approaches to cultural and biological systems.
2. Explain the process of evolution by natural selection, with an emphasis on human and nonhuman primate evolution.
3. Identify and analyze cultural variation in beliefs, practices, and social organization across and within human groups.

Associate Degree Major Requirements

Code	Title	Units
Required Core		
ANTH-120	Cultural Anthropology	3
ANTH-130	Introduction to Biological Anthropology	3
ANTH-140	Introduction to Archaeology	3
List A		
Select one of the following:		4
ANTH-215	Statistics for the Behavioral Sciences	
PSY-215	Statistics for the Behavioral Sciences	
SOC-215	Statistics for the Behavioral Sciences	
MATH-160	Elementary Statistics	
List B		
Select one (1) to two (2) of the following or any List A course not already used:		3-4
BIO-140	Human Anatomy	
GEOG-104	Introduction to Geographic Information Science	
GEOL-110 & GEOL-111	Planet Earth and Planet Earth Laboratory	
PSY-205	Research Methods in Psychology	
SCI-110	Introduction to Scientific Thought	
List C		
Select one (1) of the following or any course from List A or List B not already used:		3-4
ANTH-122	Anthropology of Magic, Witchcraft, and Religion	
ANTH-127	Cultures of Latin America	
ANTH-131	Biological Anthropology Laboratory	
COMM-124	Intercultural Communication	
ETHN-114 or SOC-114	Introduction to Race & Ethnicity	
ETHN-115	Introduction to Cultural Competence	

ETHN-130	U.S. History and Cultures: Native American Perspectives I	
ETHN-131	U.S. History and Cultures: Native American Perspectives II	
ETHN-134	Introduction to American Indian Art	
ETHN-137	American Indian Culture and Heritage	
ETHN-138	The History and Cultures of California Indians	
ETHN-144	Communication Studies: Race and Ethnicity	
or COMM-144	Communication Studies: Race and Ethnicity	
GEOG-130	Human Geography: The Cultural Landscape	
RELG-120	World Religions	
SOC-140	Sex and Gender Across Cultures	
Units for the major		19-21
Plus General Education Requirements (CSU GE or IGETC) (https://catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/)		37-39
Total Units		60

Complete transferable units as needed to reach 60.

Students completing IGETC may be awarded the degree, but they must complete a course from Area 1C: Oral Communication to meet CSU admission requirements.

Associate Teacher Certificate of Proficiency



Certificates of Proficiency are designed for the student who needs to be prepared to enter an entry-level job. A department-issued certificate may be awarded upon successful completion of a prescribed course of study. These certificates will not appear on a student's transcript.

The Associate Teacher is an entry level position in the child care and early education field. This certificate meets the educational requirements for a teacher for the State of California, Community Care Licensing and the California Commission on Teacher Credentialing Associate Teacher level Permit. The course includes approximately 15 days of the 50 day experience requirements for these positions.

Code	Title	Units
CD-106	Practicum: Beginning Observation and Experience	1
CD-123	Principles and Practices of Programs and Curriculum for Young Children	3
CD-125	Child Growth and Development	3
CD-131	Child, Family and Community	3
Select one of the following:		3
CD-121	The Arts and Creativity for Young Children	
CD-127	Science and Mathematics for Child Development	

CD-129	Language and Literature for Child Development
CD-143	Responsive Planning for Infant/Toddler Care

Total Units **13**

Any student who completes this Certificate of Proficiency and 50 days of experience in an early childhood program may apply to the California Teachers Credentialing Office for an Associate Teacher Permit. For further information contact the Child Development department and <https://www.ctc.ca.gov>.

Child Development Master Teacher Associate in Science and Certificate of Achievement



These courses are also appropriate for family child care providers, parents, administrators, health care professionals, and others working with children. Courses are designed to partially meet lower division course preparation for students planning a bachelor's degree in Child Development.

Career Opportunities

<https://www.grossmont.edu/student-support/career-center/resources.php>

- Adoption Counselor¹
- Child Psychologist¹
- Childcare Specialist
- Day Camp Counselor¹
- Development Specialist¹
- Family Child Care Provider
- Infant/Toddler Teacher²
- Parent Educator¹
- Planned Parenthood Worker
- School Age Child Care Teacher/Site Supervisor
- Preschool Teacher/Director²
- Recreation Specialist¹
- Social Service Specialist¹

¹ Bachelor's Degree or higher required.

² Bachelor Degree normally recommended.

The Program-level Student Learning Outcomes (PSLOs) below are outcomes that students will achieve after completing specific degree / certificate requirements in this program. Students will:

1. Analyze and apply principles of scientific research to the study of human development; integrate and apply current theory and research to the observation, documentation and unbiased analysis of human behaviors.
2. Formulate practical applications of theory and research to developmentally appropriate practice in varying contexts: personal, classroom, agency and community.

3. Critically examine societal and personal attitudes, beliefs, values and assumptions towards the diverse contexts of child and human development including: ethnicity, gender, language, family structure, socioeconomic status, age and ability.
4. Compare and examine differing social, economic, political, historical, cultural and family contexts and their effect on human development; demonstrate effective advocacy techniques related to current social issues pertaining to children, adults, and families.

Associate Degree Major Requirements

Code	Title	Units
CD-106	Practicum: Beginning Observation and Experience	1
CD-121	The Arts and Creativity for Young Children	3
CD-123	Principles and Practices of Programs and Curriculum for Young Children	3
CD-125	Child Growth and Development	3
CD-127	Science and Mathematics for Child Development	3
CD-129	Language and Literature for Child Development	3
CD-130	Curriculum: Design and Implementation	3
CD-131	Child, Family and Community	3
CD-132	Observation and Assessment: Field Experience Seminar	3
CD-133	Practicum-Field Experience: Student Teaching	2
CD-134	Health, Safety and Nutrition of Young Children	3
CD-141	Working with Children with Special Needs	3
CD-153	Teaching in a Diverse Society	3
Select one of the following:		3
CD-115	Changing American Family ¹	
FS-115	Changing American Family ¹	
CD-136	Adult Supervision ²	
Total Units		39

Plus General Education (<https://catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/>) and Elective Requirements

¹ CD-115 Changing American Family/FS-115 Changing American Family is required for transfer to SDSU.

² CD-136 Adult Supervision is required for the Master Teacher Permit through California Teacher Credentialing.

Certificate of Achievement

Any student who completes the Child Development major requirement for Master Teacher qualifies for a Certificate of Achievement in Child Development. An official request must be filed with the Admissions and Records Office prior to the deadline as stated in the Academic Calendar.

California Commission on Teacher Credentialing Child Development Permit

Any student who completes the above requirements and 16 units of GE from English/Communication, Humanities, Social Sciences and

Math or Science may apply for a permit from the California Commission on Teacher Credentialing (CTC). There is an added work experience component. For full requirements go to <https://www.ctc.ca.gov> to contact the Child Development Department.

Child Development Site Supervisor Associate in Science and Certificate of Achievement



These courses are also appropriate for family child care providers, parents, administrators, health care professionals, and others working with children. Courses are designed to partially meet lower division course preparation for students planning a bachelor's degree in Child Development.

Career Opportunities

<https://www.grossmont.edu/student-support/career-center/resources.php>

Adoption Counselor¹
 Child Psychologist¹
 Childcare Specialist
 Day Camp Counselor¹
 Development Specialist¹
 Family Child Care Provider
 Infant/Toddler Teacher²
 Parent Educator¹
 Planned Parenthood Worker
 School Age Child Care Teacher/Site Supervisor
 Preschool Teacher/Director²
 Recreation Specialist¹
 Social Service Specialist¹

¹ Bachelor's Degree or higher required.

² Bachelor Degree normally recommended.

The Program-level Student Learning Outcomes (PSLOs) below are outcomes that students will achieve after completing specific degree / certificate requirements in this program. Students will:

1. Analyze and apply principles of scientific research to the study of human development; integrate and apply current theory and research to the observation, documentation and unbiased analysis of human behaviors.
2. Formulate practical applications of theory and research to developmentally appropriate practice in varying contexts: personal, classroom, agency and community.
3. Critically examine societal and personal attitudes, beliefs, values and assumptions towards the diverse contexts of child and human development including: ethnicity, gender, language, family structure, socioeconomic status, age and ability.
4. Compare and examine differing social, economic, political, historical, cultural and family contexts and their effect on human development;

demonstrate effective advocacy techniques related to current social issues pertaining to children, adults, and families.

Associate Degree Major Requirements

Code	Title	Units
CD-106	Practicum: Beginning Observation and Experience	1
CD-115 or FS-115	Changing American Family ¹ Changing American Family	3
CD-121	The Arts and Creativity for Young Children	3
CD-123	Principles and Practices of Programs and Curriculum for Young Children	3
CD-125	Child Growth and Development	3
CD-127	Science and Mathematics for Child Development	3
CD-129	Language and Literature for Child Development	3
CD-130	Curriculum: Design and Implementation	3
CD-131	Child, Family and Community	3
CD-132	Observation and Assessment: Field Experience Seminar	3
CD-133	Practicum-Field Experience: Student Teaching	2
CD-134	Health, Safety and Nutrition of Young Children	3
CD-136	Adult Supervision ²	3
CD-137	Administration of Child Development Programs I	3
CD-138	Administration of Child Development Programs II	3
CD-141	Working with Children with Special Needs	3
CD-153	Teaching in a Diverse Society	3
Total Units		48

Plus General Education (<https://catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/>) and Elective Requirements

¹ CD-115 Changing American Family/FS-115 Changing American Family is required for transfer to SDSU.

² CD-136 Adult Supervision is required for the Master Teacher Permit through California Teacher Credentialing.

Certificate of Achievement

Any student who completes the Child Development major requirements for Site Supervisor qualifies for a Certificate of Achievement in Child Development. An official request must be filed with the Admissions and Records Office prior to the deadline as stated in the Academic Calendar.

California Commission on Teacher Credentialing Child Development Permit

Any student who completes the above requirements and 16 units of GE from English/Communication, Humanities, Social Sciences and Math or Science may apply for a permit from the California Commission on Teacher Credentialing (CTC). There is an added work experience

component. For full requirements go to <https://www.ctc.ca.gov> to contact the Child Development Department.

Corrections Associate in Science and Certificate of Achievement



Associate Degree Major Requirements

Code	Title	Units
AOJ-110	Introduction to Administration of Justice	3
AOJ-125	Introduction to Corrections	3
AOJ-140	Inmate Psychology and Supervision	3
AOJ-143	Gangs and Law Enforcement	3
AOJ-144	Probation and Parole	3
AOJ-200	Criminal Law	3
AOJ-202	Criminal Evidence	3
or AOJ-204	Criminal Trial Process	
AOJ-208	Juvenile Procedures	3
AOJ-210	Leadership in Criminal Justice	2-3
or AOJ-214	Public Service Internship	
AOJ-230	Public Safety Communications	3
AOJ-240	Community and the Justice System	3
Total Units		32-33

Plus General Education (<https://catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/>) and Elective Requirements

Certificate of Achievement

Any student who chooses to complete only the courses required for the above major qualifies for a Certificate of Achievement in Administration of Justice: Corrections. An official request must be filed with the Admissions and Records Office prior to the deadline as stated in the Academic Calendar.

Cross-Cultural Communication Skills Certificate of Proficiency



The Ethnic Studies and Gender Studies certificates prepare students to transfer to four-year institutions for continued study in African American Studies, Mexican American/Latino Studies, Asian American Studies, American Indian Studies, or Women's Studies. The department outlined below partially fulfills lower division requirements in those areas. For special requirements, transfer students should consult the catalog of the transfer institution for specific requirements. Ethnic Studies classes in

general are helpful for further studies in such diverse fields as history, sociology, ethnic studies, and political science.

This certificate prepares students to work in a job requiring cross-cultural interpersonal communication skills. Cultural proficiency through these courses provides students with a worldview and ways to effectively recognize, respond to, and plan for issues that arise in diverse environments. Completion of these courses prepares a student to integrate cross-cultural knowledge and communication skills when interacting orally or in writing with people of diverse backgrounds and/or identities.

Career Opportunities

<https://www.grossmont.edu/student-support/career-center/resources.php>

- Curator¹
- Diplomat Corps¹
- Foreign Officer¹
- Import / Export Agent²
- Lawyer¹
- Law Enforcement¹
- Museum Technician
- Sociologist¹
- Social Worker¹
- Teacher¹
- Travel Agent
- Writer

¹ Bachelor's Degree or higher required.

² Bachelor Degree normally recommended.

Program Student Learning Outcomes

At the end of these three classes, students will be able to

1. Integrate cross-cultural knowledge and communication skills when interacting orally or in writing with people of diverse backgrounds and/or identities.

Certificate of Proficiency

These Certificates of Proficiency are designed for the student who needs to be prepared to enter an entry-level job. A department-issued certificate may be awarded upon successful completion of a prescribed course of study. These certificates will not appear on a student's transcript.

Code	Title	Units
ENGL-120	College Composition and Reading	3
ETHN-115	Introduction to Cultural Competence	3
Select one of the following:		3
COMM-144	Communication Studies: Race and Ethnicity	
or ETHN-144	Communication Studies: Race and Ethnicity	
COMM-124	Intercultural Communication	

Total Units **9**

Cross-Cultural Competence Certificate of Proficiency



The Ethnic Studies and Gender Studies certificates prepare students to transfer to four-year institutions for continued study in African American Studies, Mexican American/Latino Studies, Asian American Studies, American Indian Studies, or Women's Studies. The department outlined below partially fulfills lower division requirements in those areas. For special requirements, transfer students should consult the catalog of the transfer institution for specific requirements. Ethnic Studies classes in general are helpful for further studies in such diverse fields as history, sociology, ethnic studies, and political science.

This certificate prepares a student to effectively work in our 21st-century cross-cultural environments, both within organizations and in interactions with the public. It provides a framework for a life-long journey of critical reflection and improving upon best practices that move people and institutions toward practices of inclusiveness.

Career Opportunities

<https://www.grossmont.edu/student-support/career-center/resources.php>

Curator¹
 Diplomat Corps¹
 Foreign Officer¹
 Import / Export Agent²
 Lawyer¹
 Law Enforcement¹
 Museum Technician
 Sociologist¹
 Social Worker¹
 Teacher¹
 Travel Agent
 Writer

¹ Bachelor's Degree or higher required.

² Bachelor Degree normally recommended.

Program Student Learning Outcomes

Upon completion of this course, our students will be able to do the following:

1. Assess the influence of intersectionality, culture, perception, language, and non-verbal messages in cross-cultural settings.
2. Analyze and describe specific barriers to effective cross-cultural interaction and construct solutions.
3. Demonstrate the ability to interact effectively in cross-cultural situations

Certificate of Proficiency

These Certificates of Proficiency are designed for the student who needs to be prepared to enter an entry-level job. A department-issued certificate

may be awarded upon successful completion of a prescribed course of study. These certificates will not appear on a student's transcript.

Code	Title	Units
ETHN-115	Introduction to Cultural Competence	3
Total Units		3

Cross-Cultural Skills, with Conversational-Level Second Language Certificate of Proficiency



The Ethnic Studies and Gender Studies certificates prepare students to transfer to four-year institutions for continued study in African American Studies, Mexican American/Latino Studies, Asian American Studies, American Indian Studies, or Women's Studies. The department outlined below partially fulfills lower division requirements in those areas. For special requirements, transfer students should consult the catalog of the transfer institution for specific requirements. Ethnic Studies classes in general are helpful for further studies in such diverse fields as history, sociology, ethnic studies, and political science.

This certificate prepares students to work in a job requiring cross-cultural interpersonal communication and multi-lingual skills. Cultural proficiency through these courses provides students with a worldview and ways to effectively recognize, respond to, and plan for issues that arise in diverse environments. Completion of these courses prepares a student to integrate cross-cultural knowledge and communication skills when conversing in English or another language with people of diverse backgrounds and/or identities.

Career Opportunities

<https://www.grossmont.edu/student-support/career-center/resources.php>

Curator¹
 Diplomat Corps¹
 Foreign Officer¹
 Import / Export Agent²
 Lawyer¹
 Law Enforcement¹
 Museum Technician
 Sociologist¹
 Social Worker¹
 Teacher¹
 Travel Agent
 Writer

¹ Bachelor's Degree or higher required.

² Bachelor Degree normally recommended.

Program Student Learning Outcomes

At the end of these three classes, students will be able to:

1. Integrate cross-cultural knowledge and communication skills when interacting orally or in writing with people of diverse backgrounds and/or identities.

Certificate of Proficiency

These Certificates of Proficiency are designed for the student who needs to be prepared to enter an entry-level job. A department-issued certificate may be awarded upon successful completion of a prescribed course of study. These certificates will not appear on a student's transcript.

Code	Title	Units
ETHN-115	Introduction to Cultural Competence	3
Select one of the following:		3
COMM-144	Communication Studies: Race and Ethnicity	
ETHN-144	Communication Studies: Race and Ethnicity	
COMM-124	Intercultural Communication	
Select one of the following:		3-5
ARBC-251	Conversational Arabic II	
FREN-251	Conversational French II	
GERM-251	Conversational German II	
JAPN-251	Conversational Japanese II	
RUSS-251	Conversational Russian II	
SPAN-251	Conversational Spanish II	
ASL-221	American Sign Language IV	
Total Units		9-11



Associate Degree
for TransferSM

Early Childhood Education for Transfer Degree (AS-T)



The Associate in Science in Early Childhood Education for Transfer (AS-T) degree is designed to facilitate transfer to a California State University in keeping with SB 1440. This degree reflects the Transfer Model Curriculum (TMC) supported by the Statewide Academic Senate. A total of 24 units are required to fulfill the major portion of this degree. Students must also complete the California State University (CSU) General Education Breadth requirements or the Intersegmental General Education Transfer Curriculum (IGETC) (see the "General Education Requirements and Transfer Information" section of the catalog). Students planning to transfer to SDSU should consult with a counselor.

The following requirements must be met to be awarded an Associate in Science in Early Childhood Education for Transfer (AS-T) degree:

1. Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:

- a. The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirement.
 - b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0. Students are also required to earn a "C" grade or higher or "Pass" in all courses required for the major.

The Child Development Program is designed to provide courses which lead toward an Associate Degree and/or Certificate in Child Development and meet the requirements of the California Commission on Teacher Credentialing. It emphasizes program and curriculum planning for children from infancy through school age, guidance techniques, special needs of children and families, creative learning, health and safety education, administration of child development programs and current issues in the field.

The Program-level Student Learning Outcomes (PSLOs) below are outcomes that students will achieve after completing specific degree / certificate requirements in this program. Students will:

1. Analyze and apply principles of scientific research to the study of human development; integrate and apply current theory and research to the observation, documentation, and unbiased analysis of human behaviors.
2. Formulate practical applications of theory and research to developmentally appropriate practice in varying contexts: personal, classroom, agency and community.
3. Critically examine societal and personal attitudes, beliefs, values and assumptions towards the diverse contexts of child and human development including: ethnicity, gender, language, family structure, socio-economic status, age and ability.
4. Compare and examine differing social, economic, political, historical, cultural and family contexts and their effect on human development; demonstrate effective advocacy techniques related to current social issues pertaining to children, adults, and families.

Associate Degree Major Requirements

Code	Title	Units
Required Core		
CD-123	Principles and Practices of Programs and Curriculum for Young Children	3
CD-125	Child Growth and Development	3
CD-130	Curriculum: Design and Implementation	3
CD-131	Child, Family and Community	3
CD-134	Health, Safety and Nutrition of Young Children	3
CD-153	Teaching in a Diverse Society	3
CD-212	Practicum in Early Childhood Education	3
CD-213	Observation and Assessment	3
Units for the major		24
Plus General Education Requirements (CSU GE or IGETC) (https://catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/)		37-39
Total Units		60

Complete transferable units as needed to reach 60.

Students completing IGETC may be awarded the degree, but they must complete a course from Area 1C: Oral Communication to meet CSU admission requirements.

Educators Global Awareness Certificate of Proficiency



Certificates of Proficiency are designed for the student who needs to be prepared to enter an entry-level job. A department-issued certificate may be awarded upon successful completion of a prescribed course of study. This certificate will not appear on a student's transcript.

This Educators Global Awareness Certificate accompanies the successful completion of the courses listed below. In tandem with the two state required courses, the additional "Globalization" class provides an educator with the background and skills needed to successfully address global issues in today's rapidly changing world; additionally it prepares the educator to incorporate the increasingly important "current events" type of curriculum or course. This certificate addresses the increased demand for a culturally and globally competent public and education system.

Code	Title	Units
GEOG-106	World Regional Geography	3
GEOL-104	Earth Science	3
GEOG-100 or GEOG-101	Introduction to Global Studies Global Issues	3
Total Units		9

Forensic Technology Associate in Science and Certificate of Achievement



Students planning careers in Administration of Justice may elect a program from the four options that follow: Law Enforcement, Corrections, Forensic Technology or Security Management. The programs are designed to meet lower division university transfer, job entry, or promotion requirements, depending on student need.

Students seeking employment with local, state or federal law enforcement agencies specialize in Law Enforcement. Students seeking careers in a jail or prison system, parole, probation or certain aspects of social work may specialize in Corrections. Students who desire a career in scientific criminal investigation and in crime laboratories may specialize in Forensic Technology. Students interested in government, homeland defense, or corporate security, should pursue the Security Management area of emphasis.

The Administration of Justice Department also offers a Police Academy, Corrections Academy, Security Academy, and Public Safety Dispatch course.

Career Opportunities

<https://www.grossmont.edu/student-support/career-center/resources.php>

- Adjudicator/Judge¹
- Arson Investigator
- Bar Examiner¹
- Correctional Officer
- Crime Lab/Forensic Technician
- Dispatcher
- District Attorney¹
- Lawyer/Prosecutor/Public Defender¹
- Evidence Technician/Specialist
- Federal Law Enforcement¹
 - Border Patrol Agent¹
 - FBI¹
 - Immigration and Customs Enforcement
 - Postal Inspector
 - Transportation Security Administration Officer
 - Treasury Agent¹
 - Secret Service¹
 - U.S. Marshall¹
- Fingerprint Examiner
- Forensic Scientist¹
- Forensic Specialist
- Fraud/Forgery Investigator
- Latent Print Examiner
- Parole/Probation Officer
- Police Officer/Deputy Sheriff/Highway Patrol
- Security Director*
- Security Manager
- Security Officer
- Traffic Officer

¹ Bachelor's Degree or higher is usually required.

The Program-level Student Learning Outcomes (PSLOs) below are outcomes that students will achieve after completing specific degree / certificate requirements in this program. Students will:

1. Demonstrate knowledge, skills, and abilities relevant to the AOJ certificate / degree program completed.
2. Demonstrate ethical and professional behavior.
3. Communicate effectively, in written, verbal and non-verbal forms.
4. Identify the major components of the criminal justice system, current and historical, including laws enforcement, courts and corrections.
5. Describe and/or demonstrate the stages of a criminal investigation and the protocol of evidence collection, preservation, and analysis.

Associate Degree Major Requirements

Code	Title	Units
AOJ-110	Introduction to Administration of Justice	3
AOJ-148	Fingerprint Identification	3
AOJ-150	Forensic Photography	4
AOJ-200	Criminal Law	3
AOJ-206	Criminal Investigation	3
AOJ-218	Crime Scene Technology	4
AOJ-220	Forensic Analysis	4
AOJ-240	Community and the Justice System	3
AOJ-252	Advanced Forensic Photography	4
AOJ-254	Advanced Fingerprint Identification	3
BIO-120	Principles of Biology	4
Select one of the following:		4
CHEM-113	Forensic Chemistry	
CHEM-115	Fundamentals of Chemistry	
CHEM-120	Preparation for General Chemistry	
Total Units		42

Plus General Education (<https://catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/>) and Elective Requirements

Recommended Electives

Code	Title	Units
AOJ-224	Forensic Public Service Internship	2

Certificate of Achievement

Any student who chooses to complete only the courses required for the above major qualifies for a Certificate of Achievement in Administration of Justice: Forensics Technology. An official request must be filed with the Admissions and Records Office prior to the deadline as stated in the Academic Calendar.

General Studies AA - Social and Behavioral Sciences

To meet the General Studies degree requirements, a student must complete the following:

- I. **AA/AS General Education Requirements (see Degree Requirements section of the catalog).**
- II. **Choose a minimum of 18 units. Minimum 3 units from Social and Behavioral Sciences and 3 units from Behavioral Sciences.**

The remaining units can be taken from either category.

These courses prepare students for a better understanding of the interrelationships of people and institutions and the complex world of cultures in which we live, a world that involves the dynamic patterns of social, political, economic and human factors by examining them in a scientific manner within their proper historical context. Students focus on people as members of society; develop an awareness of the method of inquiry used by the social and behavioral sciences. It shall be designed to stimulate critical thinking about the ways people act and have acted

in response to their societies and should promote appreciation of how societies and social subgroups operate.

The Program-level Student Learning Outcomes (PSLOs) below are outcomes that students will achieve after completing specific degree / certificate requirements in this program. Students will:

1. Describe general principles of the political institutions and government of the United States.
2. Demonstrate an understanding and appreciation of social, political, and economic institutions, including a historical perspective.
3. Evaluate the ways in which people interact both within and outside of their own culture as well as society as a whole.
4. Apply knowledge of social and behavioral sciences theories and scientific methods in an assessment of real-world problems

Code	Title	Units
Social Sciences		
AOJ-110	Introduction to Administration of Justice	
AOJ-200	Criminal Law	
AOJ-240	Community and the Justice System	
CD-115	Changing American Family	
CD-145	Child Abuse and Family Violence in Our Society	
CD-153	Teaching in a Diverse Society	
COMM-144	Communication Studies: Race and Ethnicity	
COUN-120	College and Career Success	
ECON-110	Economic Issues and Policies	
ECON-120	Principles of Macroeconomics	
ECON-121	Principles of Microeconomics	
ECON-125	Economic History of the United States	
ECON-130	Comparative Economic Systems	
ECON-135	Environmental Economics	
ECON-261	Economic Relations of the Asia Pacific	
ETHN-107	History of Race & Ethnicity in the United States	
ETHN-114	Introduction to Race & Ethnicity	
ETHN-118	U.S. History: Chicano/Chicana Perspectives I	
ETHN-119	U.S. History: Chicano/Chicana Perspective II	
ETHN-128	Introduction to Chicana/o Studies	
ETHN-130	U.S. History and Cultures: Native American Perspectives I	
ETHN-131	U.S. History and Cultures: Native American Perspectives II	
ETHN-135	San Diego County American Indian Tribes	
ETHN-137	American Indian Culture and Heritage	
ETHN-138	The History and Cultures of California Indians	
ETHN-143	Images of Black Women	
ETHN-144	Communication Studies: Race and Ethnicity	
ETHN-145	Introduction to Black Studies	
ETHN-150	Latinx Communities in the United States	

ETHN-160	U.S. History: Asian American and Pacific Island American Perspectives I	HIST-181	U.S. History: Black Perspectives II
ETHN-161	U.S. History: Asian American and Pacific Island American Perspectives II	MCOM-110	Mass Media and Society
ETHN-180	U.S. History: Black Perspectives I	MCOM-210	Social Media in the Digital Age
ETHN-181	U.S. History: Black Perspectives II	POSC-120	Introduction to Politics and Political Analysis
FS-115	Changing American Family	POSC-121	Introduction to U.S. Government and Politics
GEND-116	Introduction to Women's Studies	POSC-124	Introduction to Comparative Government and Politics
GEND-154	Early History of Women in World Civilization	POSC-130	Introduction to International Relations
GEND-155	Modern History of Women in World Civilization	POSC-135	Model United Nations
GEOG-100	Introduction to Global Studies	POSC-140	Introduction to California Governments and Politics
GEOG-101	Global Issues	POSC-145	Introduction to Latin American Government and Politics
GEOG-106	World Regional Geography	POSC-147	Introduction to Middle East Government and Politics
GEOG-130	Human Geography: The Cultural Landscape	POSC-148	American Foreign Policy
GEOG-170	The Geography of California	POSC-150	Introduction to Political Theory
HIST-100	Early World History	POSC-160	Politics in Film
HIST-101	Modern World History	SOC-114	Introduction to Race & Ethnicity
HIST-103	Twentieth Century World History	SOC-150	Latinx Communities in the United States
HIST-105	Early Western Civilization		
HIST-106	Modern Western Civilization	Behavioral Sciences	
HIST-107	History of Race & Ethnicity in the United States	ANTH-120	Cultural Anthropology
HIST-108	Early American History	ANTH-122	Anthropology of Magic, Witchcraft, and Religion
HIST-109	Modern American History	ANTH-127	Cultures of Latin America
HIST-113	American Military History	ANTH-140	Introduction to Archaeology
HIST-114	Comparative History of the Early Americas	CD-115	Changing American Family
HIST-115	Comparative History of the Modern Americas	CD-125	Child Growth and Development
HIST-118	U.S. History: Chicano/Chicana Perspectives I	CD-131	Child, Family and Community
HIST-119	U.S. History: Chicano/Chicana Perspectives II	CD-153	Teaching in a Diverse Society
HIST-122	Women in Early American History	COMM-124	Intercultural Communication
HIST-123	Women in Modern American History	COMM-128	Global Communication
HIST-124	History of California	ETHN-115	Introduction to Cultural Competence
HIST-126	History of Mexico	ETHN-125	Cross-Cultural Psychology
HIST-130	U.S. History and Cultures: Native American Perspectives I	FS-115	Changing American Family
HIST-131	U.S. History and Cultures: Native American Perspectives II	FS-120	Human Development
HIST-136	Survey of Medieval History	HED-120	Personal Health and Lifestyles
HIST-137	History of East Asia	HED-201	Introduction to Public Health
HIST-148	Modern Middle East History	NUTR-155	Introduction to Nutrition
HIST-154	Early History of Women in World Civilization	NUTR-158	Nutrition for Fitness and Sports
HIST-155	Modern History of Women in World Civilization	NUTR-159	Cultural Aspects of Food and Nutrition
HIST-160	U.S. History: Asian American and Pacific Island American Perspectives I	PSY-120	Introductory Psychology
HIST-161	U.S. History: Asian American and Pacific Island American Perspectives II	PSY-125	Cross-Cultural Psychology
HIST-180	U.S. History: Black Perspectives I	PSY-132	Psychology of Health
		PSY-134	Human Sexuality
		PSY-138	Social Psychology
		PSY-140	Physiological Psychology
		PSY-150	Developmental Psychology
		PSY-170	Abnormal Psychology
		PSY-180	Psychology of Interpersonal Skills
		PSY-211	Cognitive Psychology

PSY-220	Learning
SOC-120	Introductory Sociology
SOC-125	Marriage, Family, and Alternate Lifestyles
SOC-130	Contemporary Social Problems
SOC-138	Social Psychology
SOC-140	Sex and Gender Across Cultures

Geographic Information Systems Literacy Certificate of Proficiency



Certificates of Proficiency are designed for the student who needs to be prepared to enter an entry-level job. A department-issued certificate may be awarded upon successful completion of a prescribed course of study. This certificate will not appear on a student’s transcript.

The GIS Literacy certificate would provide an entry-level employment opportunity for the completer that finishes the course below. The skills covered in this certificate are aimed at a student preparing for a broad range of careers, including government or private sector work, that can be enhanced with geospatial technology skills learned in this course. Students will gain familiarity using with the latest industry standard GIS software that will enable them to analyze, interpret and manipulate spatial information for problem solving applied to real world situations. Many entry level positions are available for someone who has skills in geospatial technologies.

Code	Title	Units
GEOG-104	Introduction to Geographic Information Science	3
Total Units		3

Geography Associate in Science



Geography is the study of spatial aspects of the physical environment, human activities and landscapes, and the nature of their interactions. Geographers draw upon theories from both the physical and social sciences. As physical scientists, they study the processes and resulting features of the earth’s surface, such as vegetation, climate, soils, landforms, and resources. As social scientists, geographers explore such topics as the arrangement of societies on the earth’s surface, land use patterns, urbanization, resources and energy usage, and environmental conservation. Therefore, geography includes a wide range and variety of academic disciplines in both the physical and social sciences. It is truly an integrating discipline.

The associate degree program with a major in geography will prepare students to transfer to four-year institutions where they can complete baccalaureate degrees in geography and other disciplines. It is recommended, however, that students consult the catalog of the transfer institution for specific requirements. Many university geography

graduates enter teaching professions at all levels. Multiple federal, city, county and state governments, as well as private companies, hire geographers in the fields of resource management, geographic information systems, urban planning, and environmental planning because of their broad training. For example, the U.S. Geologic Survey traditionally hires geographers in map making, air photo interpretation, satellite image analysis, and land use mapping.

Career Opportunities

<https://www.grossmont.edu/student-support/career-center/resources.php>

- Aerial Photograph Interpreter
- Computer Mapping (G.I.S.)¹
- Demographer¹
- Ecologist¹
- Environmental Analyst¹
- Geographer¹
- Land Planner¹
- Meteorologist¹
- Satellite Image Processor¹
- Site Planner¹
- Spatial Analyst¹
- Surveyor
- Teacher/Professor¹
- Water Resources Manager¹

¹ Bachelor’s Degree or higher required.

The Program-level Student Learning Outcomes (PSLOs) below are outcomes that students will achieve after completing specific degree / certificate requirements in this program. Students will:

1. Apply the scientific method.
2. Demonstrate spatial literacy.
3. Analyze spatial information and patterns.
4. Evaluate relationships between humans and the environment.
5. Employ geoscience technology for spatial data management.

Associate Degree Major Requirements

Code	Title	Units
GEOG-104	Introduction to Geographic Information Science	3
GEOG-120	Physical Geography: Earth Systems	3
GEOG-121	Physical Geography: Earth Systems Laboratory	1
GEOG-130	Human Geography: The Cultural Landscape	3
GEOG-140	Meteorology: Weather and Climate	3
GEOG-150	Field Study of the Natural History of the Greater San Diego Region	3
GEOG-170	The Geography of California	3
GEOL-110	Planet Earth	3
Total Units		22

Plus General Education (<https://catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/>) and Elective Requirements

Recommended Electives

Code	Title	Units
GEOG-172	Field Exploration: Colorado Plateau	3
GEOG-173	Field Exploration: Cascade Range/Modoc Plateau	3
GEOG-174	Field Exploration: Basin and Range Province	3
GEOG-175	Field Exploration: California Coastal Mountains	3
GEOG-176	Field Exploration: Sierra Nevada	3
MATH-150	Introduction to Computer Programming Applications in Mathematics	3
MATH-160	Elementary Statistics	4
Three semesters of a foreign language or high school equivalent		15



Associate Degree
for TransferSM

Geography for Transfer (AA-T)



The Associate in Arts in Geography for Transfer (AA-T) degree is designed to facilitate transfer to a California State University in keeping with SB 1440. This degree reflects the Transfer Model Curriculum (TMC) supported by the Statewide Academic Senate. A total of 19 units are required to fulfill the major portion of this degree. Students must also complete the California State University (CSU) General Education Breadth requirements or the Intersegmental General Education Transfer Curriculum (IGETC) (see the "General Education Requirements and Transfer Information" section of the catalog). Students planning to transfer to SDSU should consult with a counselor.

The following requirements must be met to be awarded an Associate in Arts in Geography for Transfer (AA-T) degree:

1. Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
 - a. The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirement.
 - b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0. Students are also required to earn a "C" grade or higher or "Pass" in all courses required for the major.

Geography is the study of spatial aspects of the physical environment, human activities and landscapes, and the nature of their interactions. Geographers draw upon theories from both the physical and social sciences. As physical scientists, they study the processes and resulting features of the earth's surface, such as vegetation, climate, soils,

landforms, and resources. As social scientists, geographers explore such topics as the arrangement of societies on the earth's surface, land use patterns, urbanization, resources and energy usage, and environmental conservation. Therefore, geography includes a wide range and variety of academic disciplines in both the physical and social sciences. It is truly an integrating discipline.

The Earth Sciences Department strives to impart the following Program-level Student Learning Outcomes (PSLOs) through the successful completion of the specific degree requirements in this program. Students will:

1. Apply the scientific method
2. Demonstrate spatial literacy
3. Analyze special information and patterns
4. Evaluate relationships between humans and the environment
5. Employ geoscience technology for spatial data management

Associate Degree Major Requirements

Code	Title	Units
Required Core		
GEOG-120	Physical Geography: Earth Systems	3
GEOG-121	Physical Geography: Earth Systems Laboratory	1
GEOG-130	Human Geography: The Cultural Landscape	3
List A		
GEOG-104	Introduction to Geographic Information Science	3
GEOG-170	The Geography of California	3
List B		
GEOG-140	Meteorology: Weather and Climate	3
GEOG-150	Field Study of the Natural History of the Greater San Diego Region	3
Units for the major		19
Plus General Education Requirements (CSU GE or IGETC) (https://catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/)		37-39
Total Units		60

Complete transferable units as needed to reach 60.

Students completing IGETC may be awarded the degree, but they must complete a course from Area 1C: Oral Communication to meet CSU admission requirements.

Global Awareness and Appreciation Certificate of Proficiency



Certificates of Proficiency are designed for the student who needs to be prepared to enter an entry-level job. A department-issued certificate may be awarded upon successful completion of a prescribed course of study. This certificate will not appear on a student's transcript.

This certificate accompanies the successful completion of the courses listed below. It certifies that the student has successfully completed background courses providing a global cultural background as well as current globalizing trends, processes and issues. It prepares a student to effectively work in our 21st century global environment. This certificate addresses the increased demand for a globally competent public and workforce.

Code	Title	Units
GEOG-130	Human Geography: The Cultural Landscape	3
GEOG-100 or GEOG-101	Introduction to Global Studies Global Issues	3
Total Units		6



Associate Degree for TransferSM

Global Studies for Transfer Degree (AA-T)



The Associate in Arts in Global Studies for Transfer (AA-T) degree will fulfill the mission of both Grossmont College and the community college system by providing a specific group of baccalaureate-level courses that will meet lower division degree requirements in the discipline and allow for seamless transfer to the California State University system to major in Global Studies or a related major.

The Program-level Student Learning Outcomes (PSLOs) below are outcomes that students will achieve after completing specific degree / certificate requirements in this program. Students will:

1. Recognize the interdependence and interconnectedness of elements of the physical, social, political, and cultural environments that comprise the human landscape.
2. Recognize and analyze historical and emerging trends in globalization along with their global, national, regional, and local consequences.
3. Identify and explain recurring, emerging, and contemporary global issues and the significance of their geographical distribution.
4. Utilize multi-disciplinary knowledge to develop perspectives that promote global citizenry.

The Associate in Arts in Global Studies for Transfer (AA-T) Degree is designed to facilitate transfer to a California State University in keeping with SB 1440. A total of 21-25 units are required to fulfill the major portion of this degree. Students must also complete the California State University (CSU) General Education Breadth requirements or the Intersegmental General Education Transfer Curriculum (IGETC) (see the "General Education Requirements and Transfer Information" section of the catalog). Students should speak with a counselor to verify that the requirements for this degree have been met. In addition, students planning to transfer to SDSU should consult with a counselor.

Global Studies is a multi- and interdisciplinary program designed to increase knowledge and understanding of the processes of globalization and their impacts on societies, cultures, and environments around the world. The Global Studies program provides the student with knowledge of critical issues that affect their lives and community, as well as the affairs of other cultures, societies, and nations. An understanding of the world's social, political, economic, and natural systems and their increasing interdependence, along with an appreciation of the diversity of human culture, will supply the student with a strong background for working in a global economy, for living in a multicultural society, and for making intelligent decisions as global citizens.

The following requirements must be met to be awarded an Associate in Arts in Global Studies for Transfer (AA-T) Degree:

1. Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
 - a. The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirement.
 - b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0. Students are also required to earn a "C" grade or higher or "Pass" in all courses required for the major.

Associate Degree Major Requirements

Code	Title	Units
Required Core		
GEOG-100	Introduction to Global Studies	3
GEOG-101	Global Issues	3
List A		
Select five (5) courses from at least four (4) of the following areas:		15-19
Area 1: Culture and Society		
ANTH-120	Cultural Anthropology	
HIST-101	Modern World History	
Area 2: Geography		
GEOG-106	World Regional Geography	
GEOG-120	Physical Geography: Earth Systems	
GEOG-130	Human Geography: The Cultural Landscape	
Area 3: Economics		
ECON-120	Principles of Macroeconomics	
ECON-121	Principles of Microeconomics	
Area 4: Politics		
POSC-124	Introduction to Comparative Government and Politics	
POSC-130	Introduction to International Relations	
Area 5: Humanities		
HIST-100	Early World History	
SPAN-220	Spanish III	
SPAN-221	Spanish IV	
Units for the major		21-25

Plus General Education Requirements (CSU GE or IGETC) (<https://catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/>)

Total Units 60

Students completing IGETC may be awarded the degree, but they must complete a course from Area 1C: Oral Communication to meet CSU admission requirements.

Latin American Studies Associate in Arts



The Latin American Studies major is an interdisciplinary program which prepares students to transfer to four-year institutions for continued studies in Latin American Studies, Latin American and Caribbean government, politics, and countries, Hispanic/Latin culture, Mexican American/Latino Studies, Chicano/Chicana Studies. A major in Latin American Studies can lead to degrees in national and state government, public policy, non-government organizations, business, and graduate school.

The Program-level Student Learning Outcomes (PSLOs) below are outcomes that students will achieve after completing specific degree requirements in this program. Students will:

1. Think critically about government and Politics in Latin America and the Caribbean.
2. Identify and assess the role of ideas, culture, history, social norms, interest groups on contemporary Latin American identity and politics.
3. Analyze the philosophical, and economic foundations of political conflict and violence, economic policy, inequality, and intersectionality in Latin America.
4. Critically analyze the nature of power in Latin American politics, history, and culture with a focus on institutions and non-institutional actors.

Associate Degree Major Requirements

Code	Title	Units
POSC-145	Introduction to Latin American Government and Politics	3
Select four of the following: ¹		12
POSC-124	Introduction to Comparative Government and Politics	
PHIL-160	Latin American Philosophy	
HIST-126	History of Mexico	
HIST-118	U.S. History: Chicano/Chicana Perspectives I	
HIST-119	U.S. History: Chicano/Chicana Perspectives II	
Select one of the following:		3
ANTH-127	Cultures of Latin America	
ENGL-236	Chicana/o Literature	
or ETHN-236	Chicana/o Literature	

Code	Title	Units
ETHN-126	Chicano/Chicana and Mexican Art	
Total Units		18

Plus General Education (<https://catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/>) and Elective Requirements

¹ After consultation with a member of the political science faculty and a counselor because of differences in transfer requirements at various four-year institutions.

Recommended Electives

Students planning to complete a baccalaureate degree in political science are **strongly** advised to consult with a faculty advisor in political science at Grossmont College and take the following courses:

Code	Title	Units
ANTH-120	Cultural Anthropology	3
POSC-148	American Foreign Policy	3-4
or MATH-160	Elementary Statistics	
HIST-108	Early American History	3
HIST-109	Modern American History	3
POSC-135	Model United Nations	1
SOC-120	Introductory Sociology	3
SPAN-120	Spanish I	5
SPAN-121	Spanish II	5
SPAN-145	Hispanic Civilizations	3

Law Enforcement Associate in Science and Certificate of Achievement



Students planning careers in Administration of Justice may elect a program from the four options that follow: Law Enforcement, Corrections, Forensic Technology or Security Management. The programs are designed to meet lower division university transfer, job entry, or promotion requirements, depending on student need.

Students seeking employment with local, state or federal law enforcement agencies specialize in Law Enforcement. Students seeking careers in a jail or prison system, parole, probation or certain aspects of social work may specialize in Corrections. Students who desire a career in scientific criminal investigation and in crime laboratories may specialize in Forensic Technology. Students interested in government, homeland defense, or corporate security, should pursue the Security Management area of emphasis.

The Administration of Justice Department also offers a Police Academy, Corrections Academy, Security Academy, and Public Safety Dispatch course.

Career Opportunities

<https://www.grossmont.edu/student-support/career-center/resources.php>

- Adjudicator/Judge¹
- Arson Investigator
- Bar Examiner¹
- Correctional Officer
- Crime Lab/Forensic Technician
- Dispatcher
- District Attorney¹
- Lawyer/Prosecutor/Public Defender¹
- Evidence Technician/Specialist
- Federal Law Enforcement¹
 - Border Patrol Agent¹
 - FBI¹
 - Immigration and Customs Enforcement
 - Postal Inspector
 - Transportation Security Administration Officer
 - Treasury Agent¹
 - Secret Service¹
 - U.S. Marshall¹
- Fingerprint Examiner
- Forensic Scientist¹
- Forensic Specialist
- Fraud/Forgery Investigator
- Latent Print Examiner
- Parole/Probation Officer
- Police Officer/Deputy Sheriff/Highway Patrol
- Security Director*
- Security Manager
- Security Officer
- Traffic Officer

¹ Bachelor's Degree or higher is usually required.

The Program-level Student Learning Outcomes (PSLOs) below are outcomes that students will achieve after completing specific degree / certificate requirements in this program. Students will:

1. Demonstrate knowledge, skills, and abilities relevant to the AOJ certificate / degree program completed.
2. Demonstrate ethical and professional behavior.
3. Communicate effectively, in written, verbal and non-verbal forms.
4. Identify the major components of the criminal justice system, current and historical, including laws enforcement, courts and corrections.
5. Describe and/or demonstrate the stages of a criminal investigation and the protocol of evidence collection, preservation, and analysis.

Associate Degree Major Requirements

Code	Title	Units
AOJ-110	Introduction to Administration of Justice	3
AOJ-200	Criminal Law	3
AOJ-202	Criminal Evidence	3

AOJ-204	Criminal Trial Process	3
AOJ-230	Public Safety Communications	3
AOJ-240	Community and the Justice System	3
Select twelve (12) additional units from the following:		12
AOJ-120	Community Policing and Patrol Procedure	
AOJ-122	Traffic Law and Enforcement	
AOJ-143	Gangs and Law Enforcement	
AOJ-144	Probation and Parole	
AOJ-155	Digital Investigations	
AOJ-206	Criminal Investigation	
AOJ-208	Juvenile Procedures	
AOJ-210	Leadership in Criminal Justice	
AOJ-214	Public Service Internship	
AOJ-215	Public Service Internship	
AOJ-264	Terrorism and Homeland Security	
Total Units		30

Plus General Education (<https://catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/>) and Elective Requirements

Certificate of Achievement

Any student who chooses to complete only the courses required for the above major qualifies for a Certificate of Achievement in Administration of Justice: Law Enforcement. An official request must be filed with the Admissions and Records Office prior to the deadline as stated in the Academic Calendar.

Political Science Associate in Arts



Political Science is perhaps the oldest organized academic discipline in western civilization, and a major in this field prepares students for a variety of challenges. A major in political science can lead to a transfer to a university where one can continue work leading to a baccalaureate degree in political science, public administration or public policy. In addition, there are selected entry level positions in business and government open to the graduate with an Associate in Arts degree in Political Science. Some individuals follow the steps necessary to go beyond an undergraduate degree and enter graduate schools leading to careers in law, government service, or industry.

Outlined below is the program that fulfills the lower division requirements for most majors in political science in universities. For special requirements, the student should consult the baccalaureate granting institution he/she is considering for matriculation.

Career Opportunities

<https://www.grossmont.edu/student-support/career-center/resources.php>

- Book Critic
- City Manager¹
- Congressional District Aide
- Consular Officer¹

Diplomatic Officer¹
 Election Supervisor
 Fund Raising Director¹
 Intelligence Specialist¹
 Labor Relations Specialist¹
 Lawyer¹
 Paralegal Assistant
 Research Assistant
 Urban Planner¹

¹ Bachelor's Degree or higher required.

The Program-level Student Learning Outcomes (PSLOs) below are outcomes that students will achieve after completing specific degree / certificate requirements in this program. Students will:

1. Think critically and effectively express their views in written and verbal communication.
2. Demonstrate the skills for contemporary world citizenship.
3. Demonstrate a basic understanding of US and world politics as well as the broad discipline of political science.
4. Pursue advanced study in political science and relevant career-oriented programs.
5. Critically analyze the nature of power in political systems including the roles played by institutional and non-institutional actors.

Associate Degree Major Requirements

Code	Title	Units
POSC-120	Introduction to Politics and Political Analysis	3
POSC-121	Introduction to U.S. Government and Politics	3
Select three of the following: ¹		9
POSC-124	Introduction to Comparative Government and Politics	
POSC-130	Introduction to International Relations	
POSC-140	Introduction to California Governments and Politics	
POSC-145	Introduction to Latin American Government and Politics	
POSC-147	Introduction to Middle East Government and Politics	
POSC-148	American Foreign Policy	
POSC-150	Introduction to Political Theory	
POSC-155	State and Society in the Asia Pacific	
ECON-120	Principles of Macroeconomics	3
or GEOG-130	Human Geography: The Cultural Landscape	
Total Units		18

Plus General Education (<https://catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/>) and Elective Requirements

¹ After consultation with a member of the political science faculty and a counselor because of differences in transfer requirements at various four year institutions.

Recommended Electives

Students planning to complete a baccalaureate degree in political science are **strongly** advised to consult with a faculty advisor in political science at Grossmont College and take the following courses:

Code	Title	Units
ANTH-120	Cultural Anthropology	3
ECON-215	Statistics for Business and Economics	4
or MATH-160	Elementary Statistics	
HIST-108	Early American History	3
HIST-109	Modern American History	3
POSC-135	Model United Nations	1
SOC-120	Introductory Sociology	3



Associate Degree
for TransferSM

Political Science for Transfer (AA-T)



The Associate in Arts in Political Science for Transfer (AA-T) degree is designed to facilitate transfer to a California State University in keeping with SB 1440. This degree reflects the Transfer Model Curriculum (TMC) supported by the Statewide Academic Senate. A total of 19 units are required to fulfill the major portion of this degree. Students must also complete the California State University (CSU) General Education Breadth requirements or the Intersegmental General Education Transfer Curriculum (IGETC) (see the "General Education Requirements and Transfer Information" section of the catalog). Students planning to transfer to SDSU should consult with a counselor.

The following requirements must be met to be awarded an Associate in Arts in Political Science for Transfer (AA-T) degree:

1. Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
 - a. The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirement.
 - b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0. Students are also required to earn a "C" grade or higher or "Pass" in all courses required for the major.

Political Science is perhaps the oldest organized academic discipline in western civilization, and a major in this field prepares students for a variety of challenges. This transfer degree in political science can lead to a transfer to a university where one can continue work leading to a baccalaureate degree in political science, public administration or public policy. In addition, there are selected entry level positions in business and government open to the graduate with an Associate

in Arts degree in Political Science. Some individuals follow the steps necessary to go beyond an undergraduate degree and enter graduate schools leading to career in law, government service, or industry. Outlined below is the program that fulfills the lower division requirements for most majors in political science in universities. For special requirements, the student should consult the baccalaureate granting institution he/ she is considering for matriculation.

The Program-level Student Learning Outcomes (PSLOs) below are outcomes that students will achieve after completing specific degree / certificate requirements in this program. Students will:

1. Think critically and effectively express their views in written and verbal communication.
2. Demonstrate the skills for contemporary world citizen.
3. Demonstrate a basic understanding of US and world politics as well as the broad discipline of political science.
4. Pursue advanced study in political science and relevant career-oriented programs.
5. Critically analyze the nature of power in political systems including the roles played by institutional and non-institutional actors.

Associate Degree Major Requirements

Code	Title	Units
Required Core		
POSC-121	Introduction to U.S. Government and Politics	3
POSC-124	Introduction to Comparative Government and Politics	3
POSC-130	Introduction to International Relations	3
POSC-150	Introduction to Political Theory	3
List A		
Select two of the following:		7
POSC-120	Introduction to Politics and Political Analysis	
MATH-160	Elementary Statistics	
or ANTH-215	Statistics for the Behavioral Sciences	
or PSY-215	Statistics for the Behavioral Sciences	
or SOC-215	Statistics for the Behavioral Sciences	
or ECON-215	Statistics for Business and Economics	
List B		
Select one of the following:		
Any List A course not used above or		
ECON-110	Economic Issues and Policies	
ECON-120	Principles of Macroeconomics	
ECON-121	Principles of Microeconomics	
POSC-140	Introduction to California Governments and Politics	
POSC-145	Introduction to Latin American Government and Politics	
POSC-147	Introduction to Middle East Government and Politics	
POSC-148	American Foreign Policy	
POSC-155	State and Society in the Asia Pacific	
Units in the major		19

Plus General Education Requirements (CSU GE or IGETC) (<https://catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/>)

Total Units

60

Complete transferable units as needed to reach 60.

Students completing IGETC may be awarded the degree, but they must complete a course from Area 1C: Oral Communication to meet CSU admission requirements.



Associate Degree
for TransferSM

Psychology for Transfer (AA-T)



The Associate in Arts in Psychology for Transfer (AA-T) degree is designed to facilitate transfer to a California State University in keeping with SB 1440. A total of 20-22 units are required to fulfill the major portion of this degree. This degree reflects the Transfer Model Curriculum (TMC) supported by the Statewide Academic Senate. Students must also complete the California State University (CSU) General Education Breadth requirements or the Intersegmental General Education Transfer Curriculum (IGETC) (see the "General Education Requirements and Transfer Information" section of the catalog). Students planning to transfer to SDSU should consult with a counselor.

The following requirements must be met to be awarded an Associate in Arts in Psychology for Transfer (AA-T) degree:

1. Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
 - a. The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirement.
 - b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0. Students are also required to earn a "C" grade or higher or "Pass" in all courses required for the major.

Psychology is a diverse discipline, grounded in science, but with nearly boundless applications in everyday life. Some psychologists do basic research, developing theories and testing them through carefully honed research methods involving observation, experimentation and analysis. Other psychologists apply the discipline's scientific knowledge to help people, organizations and communities function better (APA).

The Program-level Student Learning Outcomes (PSLOs) below are outcomes that students will achieve after completing specific degree / certificate requirements in this program. Students will:

1. Identify, explain, and compare and contrast the major theoretical perspectives in psychology.
2. Evaluate psychological information using the scientific method.
3. Apply appropriate statistical analyses to quantitative data.
4. Apply principles of psychology to the understanding of self and others.

Associate Degree Major Requirements

Code	Title	Units
Required Core		
PSY-120	Introductory Psychology	3
PSY-205	Research Methods in Psychology	4
Select one of the following:		4
ANTH-215 or PSY-215 or SOC-215 or MATH-160	Statistics for the Behavioral Sciences	
List A		
Select one of the following:		3-4
BIO-120	Principles of Biology	
PSY-140	Physiological Psychology	
List B		
Select one of the following:		3-4
Any List A course not used above or		
PSY-150	Developmental Psychology	
PSY-201	Academic and Career Opportunities in Psychology	
PSY-211	Cognitive Psychology	
List C		
Select one of the following:		3
Any List A or List B course not already used or		
PSY-138	Social Psychology	
PSY-170	Abnormal Psychology	
PSY-220	Learning	
Units in the major		20-22
Plus General Education Requirements (CSU GE or IGETC) (https://catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/)		37-39
Total Units		60

Complete transferable units as needed to reach 60.

Students completing IGETC may be awarded the degree, but they must complete a course from Area 1C: Oral Communication to meet CSU admission requirements.

Security Management Associate in Science and Certificate of Achievement



Students planning careers in Administration of Justice may elect a program from the four options that follow: Law Enforcement, Corrections, Forensic Technology or Security Management. The programs are designed to meet lower division university transfer, job entry, or promotion requirements, depending on student need.

Students seeking employment with local, state or federal law enforcement agencies specialize in Law Enforcement. Students seeking careers in a jail or prison system, parole, probation or certain aspects of social work may specialize in Corrections. Students who desire a career in scientific criminal investigation and in crime laboratories may specialize in Forensic Technology. Students interested in government, homeland defense, or corporate security, should pursue the Security Management area of emphasis.

The Administration of Justice Department also offers a Police Academy, Corrections Academy, Security Academy, and Public Safety Dispatch course.

Career Opportunities

<https://www.grossmont.edu/student-support/career-center/resources.php>

- Adjudicator/Judge¹
- Arson Investigator
- Bar Examiner¹
- Correctional Officer
- Crime Lab/Forensic Technician
- Dispatcher
- District Attorney¹
- Lawyer/Prosecutor/Public Defender¹
- Evidence Technician/Specialist
- Federal Law Enforcement¹
 - Border Patrol Agent¹
 - FBI¹
 - Immigration and Customs Enforcement
 - Postal Inspector
 - Transportation Security Administration Officer
 - Treasury Agent¹
 - Secret Service¹
 - U.S. Marshall¹
- Fingerprint Examiner
- Forensic Scientist¹
- Forensic Specialist
- Fraud/Forgery Investigator
- Latent Print Examiner
- Parole/Probation Officer
- Police Officer/Deputy Sheriff/Highway Patrol
- Security Director*
- Security Manager
- Security Officer
- Traffic Officer

¹ Bachelor's Degree or higher is usually required.

The Program-level Student Learning Outcomes (PSLOs) below are outcomes that students will achieve after completing specific degree / certificate requirements in this program. Students will:

1. Demonstrate knowledge, skills, and abilities relevant to the AOJ certificate / degree program completed.
2. Demonstrate ethical and professional behavior.
3. Communicate effectively, in written, verbal and non-verbal forms.
4. Identify the major components of the criminal justice system, current and historical, including laws enforcement, courts and corrections.
5. Describe and/or demonstrate the stages of a criminal investigation and the protocol of evidence collection, preservation, and analysis.

The Security Management program leads to a Certificate of Achievement and/or Associate Degree and is designed to prepare individuals for entry level management positions in loss prevention and asset protection in government and business. Security management is one of the fastest growing public safety and business-related occupations. Career opportunities exist in a wide variety of public and private organizations including contract service, government, healthcare, homeland defense, industrial, entertainment, sports, retail, and transportation environments. Salaries for security managers are competitive with those found in public law enforcement and business management occupations.

Associate Degree Major Requirements

Code	Title	Units
AOJ-110	Introduction to Administration of Justice	3
AOJ-111	Introduction to Security Management	3
AOJ-201	Legal Aspects of Security Management	3
AOJ-207	Investigative Techniques for Security Management	3
AOJ-230	Public Safety Communications	3
AOJ-240	Community and the Justice System	3
AOJ-260	Information Security	3
AOJ-264	Terrorism and Homeland Security	3
Total Units		24

Plus General Education (<https://catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/>) and Elective Requirements

Certificate of Achievement

Any student who chooses to complete only the courses required for the above major qualifies for a Certificate of Achievement in Security Management. An official request must be filed with the Admissions and Records Office prior to the deadline as stated in the Academic Calendar.



Associate Degree
for TransferSM

Sociology for Transfer (AA-T)



The Associate in Arts in Sociology for Transfer (AA-T) degree is designed to facilitate transfer to a California State University in keeping with SB 1440. A total of 19-20 units are required to fulfill the major portion of this degree. This degree reflects the Transfer Model Curriculum (TMC) supported by the Statewide Academic Senate. Students must also complete the California State University (CSU) General Education Breadth requirements or the Intersegmental General Education Transfer Curriculum (IGETC) (see the "General Education Requirements and Transfer Information" section of the catalog). Students planning to transfer to SDSU should consult with a counselor.

The following requirements must be met to be awarded an Associate in Arts in Sociology for Transfer (AA-T) degree:

1. Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
 - a. The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirement.
 - b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0. Students are also required to earn a "C" grade or higher or "Pass" in all courses required for the major.

Sociology is the study of human social life. It is a broad discipline, grounded in science, with many applications for daily life. A major in sociology offers a rigorous preparation to students planning undergraduate and graduate work in sociology, political science, and other social and behavioral sciences. In addition, sociological education is an excellent background for professional training in law, business, education, and social work. Majoring in sociology provides a solid liberal education, and it is an excellent choice for undergraduates who are planning careers in the private sector, government, and non-profit organizations.

The Program-level Student Learning Outcomes (PSLOs) below are outcomes that students will achieve after completing specific degree / certificate requirements in this program. Students will:

1. Identify, explain, and compare and contrast the major theoretical perspectives in sociology.
2. Identify and explain the principles of social scientific research methodology.
3. Explain sociologically inequalities of class, race, ethnicity, gender, and age in modern and pre-modern societies. Use SPSS for the analysis of quantitative data.

Associate Degree Major Requirements

Code	Title	Units
Required Core		
SOC-120	Introductory Sociology	3
SOC-130	Contemporary Social Problems	3
Select one of the following:		4
MATH-160	Elementary Statistics	
or ANTH-215	Statistics for the Behavioral Sciences	
or PSY-215	Statistics for the Behavioral Sciences	
or SOC-215	Statistics for the Behavioral Sciences	
List A		
Select two of the following:		6-7
Any List A course not used above or		
SOC-114	Introduction to Race & Ethnicity	
or ETHN-114	Introduction to Race & Ethnicity	
SOC-125	Marriage, Family, and Alternate Lifestyles	
SOC-138	Social Psychology	
or PSY-138	Social Psychology	
SOC-140	Sex and Gender Across Cultures	
PSY-205	Research Methods in Psychology	
List B		
Select one of the following:		3
Any course from List A or List B not used above or		
ANTH-120	Cultural Anthropology	
GEOG-130	Human Geography: The Cultural Landscape	
PSY-134	Human Sexuality	
SOC-150	Latinx Communities in the United States	
or ETHN-150	Latinx Communities in the United States	
Units in the major		19-20
Plus General Education Requirements (CSU GE or IGETC) (https://catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/)		37-39
Total Units		60

Complete transferable units as needed to reach 60.

Students completing IGETC may be awarded the degree, but they must complete a course from Area 1C: Oral Communication to meet CSU admission requirements

University Studies - Social and Behavioral Sciences (AA)

The Associate Degree in University Studies is intended to accommodate the differing requirements of a wide variety of transfer institutions and major options. Because admission and major preparation requirements vary at each four-year transfer institution, courses used to complete this degree should be selected with the assistance of a counselor.

The completion of the University Studies Degree does not guarantee acceptance into either a baccalaureate major or a four-year institution.

Requirements

I. California State University (CSU) General Education Breadth

1. Complete CSU General Education Breadth (see Transfer Information and Degree Requirements in college catalog).
2. Earn a grade of "C" or higher or "Pass" for all courses in Area A and the Mathematical/Quantitative Reasoning courses in Area B.
3. Complete a minimum of 18 units (listed below) with a "C" grade or higher or "Pass".
4. Complete a minimum of 60 degree applicable CSU transferable semester units. (All courses included in each area of emphasis are CSU transferable.)
5. Earn a cumulative GPA of 2.0 in all college coursework completed.
6. Meet Grossmont College residence requirements for graduation (see Degree Requirements in college catalog).
7. Students pursuing a University Studies degree in Mathematics and Natural Science and Computer Science are eligible to use CSU for STEM to fulfill the general education requirements of this degree.

or

II. Intersegmental General Education Transfer Curriculum (IGETC) for CSU or UC

1. Complete IGETC Certification (see Transfer Information and Degree Requirements in college catalog).
2. Earn a grade of "C" or higher or "Pass" in all IGETC courses.
3. Complete a minimum of 18 units (listed below) with a "C" grade or higher or "Pass".
4. Complete a minimum of 60 degree applicable UC transferable semester.

Courses that are non-UC transferable are indicated by (*).
Additional UC transferable units may be chosen as electives.
5. Earn a cumulative GPA of 2.0 in all college coursework completed.
6. Meet Grossmont College residence requirements for graduation (see Degree Requirements in college catalog).
7. Students pursuing a University Studies degree in Mathematics and Natural Science and Computer Science are eligible to use IGETC for STEM to fulfill the general education requirements of this degree.

While 18 units are required in a specific area to meet the requirements of the degree, it is strongly recommended that as many lower division preparation for the major courses as possible be completed at the community college prior to transfer. Cross-listed courses receive credit for only one course. Some baccalaureate majors and four-year institutions require a higher GPA than is necessary for the Associate Degree. Completion of the University Studies Degree does not guarantee admission to a four-year institution.

The Program-level Student Learning Outcomes (PSLOs) are outcomes that students who complete a degree/certificate in this program will be able to achieve upon degree/certificate completion. The PSLOs for the University Studies degree in **Social and Behavioral Sciences** are:

1. Describe general principles of the political institutions and government of the United States.
2. Demonstrate an understanding and appreciation of social, political, and economic institutions, including a historical perspective.

- Evaluate the ways in which people interact both within and outside of their own culture as well as society as a whole.
- Apply knowledge of social and behavioral sciences theories and scientific methods in an assessment of real-world problems.

Courses in this major focus on the study and understanding of human behavior. Students evaluate and interpret human societies; the institutions, organizations, and the groups that form them; and the ways in which individuals and groups relate to one another. Students evaluate various approaches and methodologies of the disciplines. Students completing this area may be interested in the following baccalaureate majors: anthropology, child development, criminal justice, education, ethnic studies, history, nutrition, political science, psychology, public health, social work, and sociology. **Students must complete a minimum of three units, or one course, in Social Science and three units, or one course, in Behavioral Science. The remaining units may be taken from either category.**

Social Sciences

Code	Title	Units
AOJ-110	Introduction to Administration of Justice	
AOJ-200	Criminal Law	
AOJ-240	Community and the Justice System	
COMM-144	Communication Studies: Race and Ethnicity	
COUN-120	College and Career Success	
ECON-110	Economic Issues and Policies	
ECON-120	Principles of Macroeconomics	
ECON-121	Principles of Microeconomics	
ECON-261	Economic Relations of the Asia Pacific	
ETHN-107	History of Race & Ethnicity in the United States ¹	
ETHN-114	Introduction to Race & Ethnicity	
ETHN-115	Introduction to Cultural Competence	
ETHN-118	U.S. History: Chicano/Chicana Perspectives I	
ETHN-119	U.S. History: Chicano/Chicana Perspective II	
ETHN-125	Cross-Cultural Psychology	
ETHN-128	Introduction to Chicana/o Studies	
ETHN-130	U.S. History and Cultures: Native American Perspectives I	
ETHN-131	U.S. History and Cultures: Native American Perspectives II	
ETHN-135	San Diego County American Indian Tribes	
ETHN-137	American Indian Culture and Heritage	
ETHN-138	The History and Cultures of California Indians	
ETHN-143	Images of Black Women	
ETHN-144	Communication Studies: Race and Ethnicity	
ETHN-145	Introduction to Black Studies	
ETHN-150	Latinx Communities in the United States	
ETHN-160	U.S. History: Asian American and Pacific Island American Perspectives I ¹	
ETHN-161	U.S. History: Asian American and Pacific Island American Perspectives II ¹	

ETHN-180	U.S. History: Black Perspectives I
ETHN-181	U.S. History: Black Perspectives II
GEND-116	Introduction to Women's Studies
GEND-154	Early History of Women in World Civilization
GEND-155	Modern History of Women in World Civilization
GEOG-100	Introduction to Global Studies
GEOG-101	Global Issues
GEOG-106	World Regional Geography
GEOG-130	Human Geography: The Cultural Landscape
GEOG-170	The Geography of California
HIST-100	Early World History
HIST-101	Modern World History
HIST-103	Twentieth Century World History
HIST-105	Early Western Civilization
HIST-106	Modern Western Civilization
HIST-107	History of Race & Ethnicity in the United States ¹
HIST-108	Early American History
HIST-109	Modern American History
HIST-113	American Military History
HIST-114	Comparative History of the Early Americas
HIST-115	Comparative History of the Modern Americas
HIST-118	U.S. History: Chicano/Chicana Perspectives I
HIST-119	U.S. History: Chicano/Chicana Perspectives II
HIST-122	Women in Early American History
HIST-123	Women in Modern American History
HIST-124	History of California
HIST-126	History of Mexico
HIST-130	U.S. History and Cultures: Native American Perspectives I
HIST-131	U.S. History and Cultures: Native American Perspectives II
HIST-136	Survey of Medieval History
HIST-137	History of East Asia
HIST-148	Modern Middle East History
HIST-154	Early History of Women in World Civilization
HIST-155	Modern History of Women in World Civilization
HIST-160	U.S. History: Asian American and Pacific Island American Perspectives I ¹
HIST-161	U.S. History: Asian American and Pacific Island American Perspectives II ¹
HIST-180	U.S. History: Black Perspectives I
HIST-181	U.S. History: Black Perspectives II
POSC-120	Introduction to Politics and Political Analysis
POSC-121	Introduction to U.S. Government and Politics

POSC-124	Introduction to Comparative Government and Politics
POSC-130	Introduction to International Relations
POSC-140	Introduction to California Governments and Politics
POSC-145	Introduction to Latin American Government and Politics ¹
POSC-147	Introduction to Middle East Government and Politics ¹
POSC-148	American Foreign Policy ¹
POSC-150	Introduction to Political Theory
POSC-155	State and Society in the Asia Pacific
POSC-160	Politics in Film
SOC-114	Introduction to Race & Ethnicity
SOC-150	Latinx Communities in the United States
SPAN-145	Hispanic Civilizations ¹

¹ Non-UC transferable course.

PSY-180	Psychology of Interpersonal Skills
PSY-211	Cognitive Psychology
PSY-220	Learning
SOC-120	Introductory Sociology
SOC-125	Marriage, Family, and Alternate Lifestyles
SOC-130	Contemporary Social Problems
SOC-138	Social Psychology
SOC-140	Sex and Gender Across Cultures

¹ Non-UC transferable course.

Certificate of Achievement

Students who complete the CSU General Education Breadth requirements or the IGETC for CSU or UC requirements are eligible to receive a Certificate of Achievement in University Studies. An official request must be filed with the Admission and Records Office prior to the deadline as stated in the Academic Calendar.

Behavioral Sciences

Code	Title	Units
ANTH-120	Cultural Anthropology	
ANTH-122	Anthropology of Magic, Witchcraft, and Religion	
ANTH-127	Cultures of Latin America	
ANTH-140	Introduction to Archaeology	
CD-115	Changing American Family	
CD-125	Child Growth and Development	
CD-131	Child, Family and Community	
CD-145	Child Abuse and Family Violence in Our Society	
COMM-124	Intercultural Communication	
COMM-128	Global Communication	
ED-200	Teaching as a Profession	
ETHN-125	Cross-Cultural Psychology	
FS-115	Changing American Family	
FS-120	Human Development	
HED-120	Personal Health and Lifestyles	
HED-201	Introduction to Public Health	
NUTR-155	Introduction to Nutrition	
NUTR-158	Nutrition for Fitness and Sports ¹	
NUTR-159	Cultural Aspects of Food and Nutrition	
NUTR-205	The Scientific Principles of Food Preparation ¹	
NUTR-255	Science of Nutrition	
PSY-120	Introductory Psychology	
PSY-125	Cross-Cultural Psychology	
PSY-132	Psychology of Health	
PSY-134	Human Sexuality	
PSY-138	Social Psychology	
PSY-140	Physiological Psychology	
PSY-150	Developmental Psychology	
PSY-170	Abnormal Psychology	

Visual & Performing Arts



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- Art History for Transfer (AA-T) (p. 222)
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- Musical Theatre Associate in Arts and Certificate of Achievement (p. 228)
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- Photography Certificate of Achievement (p. 231)
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- Studio Art for Transfer (AA-T) (p. 231)
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Art Associate in Arts



The AA – Art degree offers an engaged approach towards artistic practice and critical discourse through a variety and breadth of studio arts and art history courses, including two- and three-dimensional design, ceramics, digital art, drawing and painting, photography and sculpture. In addition to the core requirements, students can further pursue an emphasis of studio practice specific to their area of interest, including Ceramics, Digital Art, Drawing and Painting as well as Sculpture/Public Art.

Students planning to transfer to SDSU or any other four-year institution should consult with a counselor as well as with the Visual Arts and Humanities department chair.

The Visual Arts and Humanities Department fosters appreciation of culture through intellectual and practical engagement with the visual arts and humanities. Its mission is to teach artistic and critical thinking skills and an understanding of culture and history for degree, transfer

and career-seeking students. The department values excellence and empowerment through creative expression, community engagement, and respect for the diversity of culture and the human experience.

Career Opportunities

<https://www.grossmont.edu/student-support/career-center/resources.php>

- Advertising Manager¹
- Antique Dealer
- Architect¹
- Art Historian¹
- Art Educator¹
- Art Therapist¹
- Ceramist
- Curator¹
- Cartoonist²
- Designer²
 - Fashion
 - Floral
 - Graphic
 - Interior
 - Set
- Display Manager
- Face Painter
- Layout Artist
- Make-up Artist
- Museum Curator¹
- Museum Director¹
- Museum Technician
- Painter
- Photographer
- Police Artist
- Sculptor
- Teacher/Professor¹
- Technical Illustrator

¹ Bachelor's Degree or higher required.

² Bachelor Degree normally recommended.

The Program-level Student Learning Outcomes (PSLOs) below are outcomes that students will achieve after completing specific degree / certificate requirements in this program. Students will:

1. Analyze and critically evaluate style and composition of artworks through written, verbal, and creative means.
2. Explore, evaluate, analyze artwork within local and global contextual frameworks.
3. Investigate, examine, and practice the creative process and motivations of art makers.

Associate Degree Major Requirements

Code	Title	Units
Core Curriculum		
ART-120	Two-Dimensional Design	3

ART-124	Drawing I	3
ART-129	Three-Dimensional Design	3
ART-140	Survey of Western Art I: Prehistory Through Middle Ages	3
or ART-141	Survey of Western Art II: Renaissance Through Modern	

Total Units 12

Ceramics Area of Emphasis

Code	Title	Units
ART-126	Ceramics I	3
ART-127	Ceramics II	3
ART-128	Ceramics III	3
Select one of the following:		3
ART-136	Glaze Formulation	
ART-226	Ceramics IV	
ART-227	Ceramics Exhibition and Portfolio	

Plus Core 12

Total Units 24

Plus General Education (<https://catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/>) and Elective Requirements

Digital Art Area of Emphasis

Code	Title	Units
ART-171	Introduction to Digital Art	3
ART-175	Digital Imaging and Art	3
Select four of the following:		12
ART-104	Artists and Designers Today	
ART-119	Color Theory	
ART-121	Painting I	
ART-172	Web and Portfolio Design	
ART-177	Digital Drawing and Painting	
ART-184	Introduction to Animation	
ART-230	Figure Drawing I	
ART-240	Portraiture and Character Design	
PHOT-150	Introduction to Photography	

Plus Core 12

Total Units 30

Plus General Education (<https://catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/>) and Elective Requirements

Drawing and Painting Area of Emphasis

Code	Title	Units
ART-121	Painting I	3
ART-125	Drawing II	3
ART-220	Painting II	3
or ART-230	Figure Drawing I	
Select three of the following:		9
ART-104	Artists and Designers Today	
ART-106	Introduction to Mural Painting and Design	

ART-119	Color Theory	
ART-210	Introduction to Printmaking	
ART-221	Painting III	
ART-222	Painting IV	
ART-231	Figure Drawing II	
ART-240	Portraiture and Character Design	

Plus Core 12

Total Units 30

Plus General Education (<https://catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/>) and Elective Requirements

Sculpture - Public Art Area of Emphasis

Code	Title	Units
ART-130	Sculpture I	3
ART-229	Sculpture II	3
Select two of the following:		6
ART-280	Sculpture III: The Structure of Sculpture	
ART-281	Studio Workshop in Public Sculpture	
ART-282	Public Art Fabrication and Installation	

Plus Core 12

Total Units 24

Plus General Education (<https://catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/>) and Elective Requirements



Associate Degree
for TransferSM

Art History for Transfer (AA-T)



The Associate in Arts in Art History for Transfer (AA-T) degree is designed to facilitate transfer to a California State University in keeping with SB 1440. This degree reflects the Transfer Model Curriculum (TMC) supported by the Statewide Academic Senate. A total of 18 units are required to fulfill the major portion of this degree. Students must also complete the California State University (CSU) General Education Breadth requirements or the Intersegmental General Education Transfer Curriculum (IGETC) (see the "General Education Requirements and Transfer Information" section of the catalog). Students planning to transfer to SDSU should consult with a counselor.

The following requirements must be met to be awarded an Associate in Arts in Art History for Transfer (AA-T) degree:

1. Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:

- a. The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirement.
 - b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0. Students are also required to earn a "C" grade or higher or "Pass" in all courses required for the major.

The AA-T degree in Art History offers an engaged approach towards artistic practice and critical discourse through a variety and breadth of studio arts and art history courses, including two- and three-dimensional design, ceramics, digital art, drawing and painting, photography and sculpture.

The Visual Arts and Humanities Department fosters appreciation of culture through intellectual and practical engagement with the visual arts and humanities. Its mission is to teach artistic and critical thinking skills and an understanding of culture and history for degree, transfer and career-seeking students. The Department values excellence and empowerment through creative expression, community engagement, and respect for the diversity of culture and the human experience.

The Program-level Student Learning Outcomes (PSLOs) below are outcomes that students will achieve after completing specific degree / certificate requirements in this program. Students will:

- 1. Describe the important elements in the medium of art they are studying.
- 2. Interpret art in the medium they are studying.
- 3. Evaluate art in the medium they are studying.

Associate Degree Major Requirements

Code	Title	Units
Required Core		
ART-124	Drawing I	3
ART-140	Survey of Western Art I: Prehistory Through Middle Ages	3
ART-141	Survey of Western Art II: Renaissance Through Modern	3
List A		
Select one of the following:		3
ART-142	Art of Africa, Oceania and the Americas	
ART-146	Asian Art	
List B		
Select one of the following:		3
ART-120	Two-Dimensional Design	
ART-129	Three-Dimensional Design	
List C		
Select one of the following:		3
Any List A or List B course not used above		
ART-142	Art of Africa, Oceania and the Americas	
ART-143	Modern Art	
ART-145	Contemporary Art	
ART-146	Asian Art	
ART-147	American Art	
Units for the major		18

Plus General Education Requirements (CSU GE or IGETC) (<https://catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/>)

Total Units **60**

Complete transferable units as needed to reach 60.

Students completing IGETC may be awarded the degree, but they must complete a course from Area 1C: Oral Communication to meet CSU admission requirements.

Banquet Cook Certificate of Achievement



The Banquet Cook certificate prepares the student who has no exposure to the field and those with limited experience to immediately enter any Food Service banquet operation in a banquet cook entry-level position with greater opportunity for advancement. The Food Service industry offers unlimited career opportunities and valuable experience. The foundation courses that can be completed in one or two semesters may lead to a Certificate of Achievement in Culinary Arts or with general education courses, an Associate of Science Degree in Culinary Arts.

Code	Title	Units
CA-160	Banquet Service Production	3
CA-165	Sanitation for Food Service	1
CA-169	Essential Skills for Culinary Arts	3
CA-171	Intermediate Culinary Skills	3
CA-172	Principles of Soup, Stock and Sauce Preparation	3

Total Units **13**

Certificate of Achievement

Any student who chooses to complete only the requirements listed above qualifies for a Certificate of Achievement in Banquet Cook. An official request must be filed with the Admissions and Records Office prior to the deadline as stated in the Academic Calendar.

Culinary Arts Associate in Science and Certificate of Achievement



The Culinary Arts Associate Degree program focuses on the development of flexible skills and knowledge essential for success in a cooking career. Modern food service is evolving rapidly thus providing a tremendous variety of workplaces from the exclusive dining room to the school cafeteria, from small intimate restaurants to the large hotel restaurants and catering facilities. Other opportunities include catering and personal chef. The associate degree will enable the student to understand the

workings of food and the interplay among ingredients, cooking methods, cost factors, nutrition and a satisfying dining experience.

Career Opportunities

<https://www.grossmont.edu/student-support/career-center/resources.php>

Baker
Banquet Chef
Boucher
Breakfast Cook
Cafeteria Manager
Cake Decorator
Catering Manager
Cook
Cook's Assistant
Cookbook Author
Dining Room Manager
Executive Chef
Food and Beverage Manager
Food Researcher
Food Server / Wait Person
Food Stylist
Garde Manager Chef
Kitchen Manager
Master Chef
Menu Consultant
Menu Planner
Pantry Cook
Pastry Chef
Personal Chef
Private Chef
Purchasing Steward
Recipe Developer
Recipe Tester
Restaurant Critic
Restaurant Manager
Restaurant Owner
Sous Chef

The Program-level Student Learning Outcomes (PSLOs) below are outcomes that students will achieve after completing specific degree / certificate requirements in this program. Students will:

1. Demonstrate critical thinking in the food service environment.
2. Demonstrate appropriate behaviors in the work place environment.
3. Apply job acquisition skills.

Associate Degree Major Requirements

Code	Title	Units
CA-160	Banquet Service Production	3
CA-163	Food Purchasing for Culinary Arts	1
CA-165	Sanitation for Food Service	1
CA-166	Menu Management	1
CA-169	Essential Skills for Culinary Arts	3
CA-171	Intermediate Culinary Skills	3
CA-172	Principles of Soup, Stock and Sauce Preparation	3
CA-173	Principles of Buffet and Catering	3

CA-174	Principles of Baking and Pastry Making	3
CA-175	Healthy Lifestyle Cuisine	3
CA-178	Garde Manger	3
CA-180	Advanced Food Preparation for Fine Dining	3
CA-280	Culinary Career Preparation	1
CA-281	Work Experience in Culinary Arts	2
CA-282	Advanced Work Experience in Culinary Arts	2
Select one of the following:		3
NUTR-155	Introduction to Nutrition	
CA-164	International Cooking	
CA-167	Wines of the World	
CA-170	Food Service Management	
CA-176	Advanced Baking and Pastry Arts	
CA-177	Commercial Baking	

Total Units **38**

Plus General Education (<https://catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/>) and Elective Requirements

Certificate of Achievement

Any student who chooses to complete only the requirements listed above for the major qualifies for a Certificate of Achievement in Culinary Arts. An official request must be filed with the Admissions and Records Office prior to the deadline as stated in the Academic Calendar.

Culinary Entrepreneurship Associate in Science and Certificate of Achievement



Students who plan to prepare for a career in the culinary field as a manager or owner of a business will find that success is contingent on both expertise in culinary arts and a basic business foundation. Careers are available in a wide spectrum of enterprises such as:

- Fine dining restaurants and hotels
- Food service in the regional casinos
- Bed and breakfast enterprises
- Catering businesses
- Personal chef

This hybrid program combines the basics of culinary arts with the fundamental business skills that prepare students to enter a career that has unlimited potential for the future.

Associate Degree Major Requirements

Code	Title	Units
BUS-109	Elementary Accounting	3
BUS-146	Marketing	3
BUS-148	Customer Relations Management	1.5
BUS-156	Principles of Management	3

BUS-158	Introduction to Hospitality and Tourism Management	3
BOT-172	Introduction to Microcomputer Applications	2
CA-160	Banquet Service Production	3
CA-163	Food Purchasing for Culinary Arts	1
CA-165	Sanitation for Food Service	1
CA-166	Menu Management	1
CA-169	Essential Skills for Culinary Arts	3
CA-171	Intermediate Culinary Skills	3
Select one of the following:		3
BUS-115	Human Relations in Business	
BUS-140	Entrepreneurship: Developing a Business Plan	
ETHN-115	Introduction to Cultural Competence	
CA-170	Food Service Management	
CA-173	Principles of Buffet and Catering	
Total Units		30.5

Plus General Education (<https://catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/>) and Elective Requirements

Certificate of Achievement

Any student who chooses to complete only the courses required for the above major qualifies for a Certificate of Achievement in Culinary Entrepreneurship. An official request must be filed with the Admissions and Records Office prior to the deadline as stated in the Academic Calendar.

Dance Associate in Arts and Certificate of Achievement



The associate degree dance program is designed to provide a broad base of dance classes that will provide training for transfer to similar programs at four-year institutions and will prepare students for employment in a variety of areas of dance.

Career Opportunities

<https://www.grossmont.edu/student-support/career-center/resources.php>

Choreographer¹
 Dance Director
 Dance Historian¹
 Dancer
 Dance Teacher¹
 Dance Therapist¹
 Fitness / Aerobics Instructor
 Movement Notator
 Performer
 Reconstructor

Recreation Leader

¹ Bachelor's Degree or higher required.

The Program-level Student Learning Outcomes (PSLOs) below are outcomes that students will achieve after completing specific degree / certificate requirements in this program. Students will:

1. Demonstrate an awareness of the concept of artistic expression through movement.
2. Identify and practice proper body alignment for dance.
3. Demonstrate a working knowledge of vocabulary as related to dance.
4. Develop aesthetic values as they relate to dance. Based upon these values; will critically think about and analyze dance as an art form.

Associate Degree Major Requirements

Code	Title	Units
DANC-080A	Modern I	1.5
DANC-080B	Modern II	1.5
DANC-084A	Jazz I	1.5
DANC-084B	Jazz II	1.5
DANC-088A	Ballet I	1.5
DANC-088B	Ballet II	1.5
DANC-094A	Hip Hop I	1.5
DANC-110	Dance History	3
or DANC-120	Dance Appreciation	
DANC-118A	Pilates I	1.5
DANC-204	Dance Improvisation	1.5
DANC-205	Choreography I	2
Select two of the following:		3
DANC-080C	Modern III	
DANC-080D	Modern IV	
DANC-084C	Jazz III	
DANC-084D	Jazz IV	
DANC-088C	Ballet III	
DANC-088D	Ballet IV	
Select two of the following:		2-5.5
DANC-201	Dance Theatre Performance I	
DANC-202	Dance Theatre Performance II	
DANC-203	Dance Theatre Performance III	
DANC-223	Student Choreography for Production I	
DANC-224	Student Choreography for Production II	
DANC-225	Student Choreography for Production III	
DANC-227	Performance Ensemble I	
DANC-228	Performance Ensemble II	
DANC-229	Performance Ensemble III	
DANC-230	Performance Ensemble IV	
Select two of the following:		2-4
DANC-068	Introduction to Dance	
DANC-071A	Studio Workshop in Tap Dance I	
or DANC-071B	Studio Workshop in Tap Dance II	
DANC-072A	Studio Workshop in Modern Dance I	
or DANC-072B	Studio Workshop in Modern Dance II	
DANC-074A	Studio Workshop in Jazz Dance I	

or DANC-074B	Studio Workshop in Jazz Dance II
DANC-078A	Studio Workshop in Ballet I
or DANC-078B	Studio Workshop in Ballet II
DANC-081A	Tap I
or DANC-081B	Tap II
or DANC-081C	Tap III
or DANC-081D	Tap IV
DANC-082A	Social and Ballroom Dance I
or DANC-082B	Social and Ballroom Dance II
DANC-083A	Latin American Dance I
or DANC-083B	Latin American Dance II
DANC-094B	Hip Hop II
or DANC-094C	Hip Hop III
or DANC-094D	Hip Hop IV
DANC-095	Musical Theatre Dance
DANC-099A	Studio Workshop in Pointe I
or DANC-099B	Studio Workshop in Pointe II
or DANC-099C	Studio Workshop in Pointe III
DANC-118B	Pilates II
or DANC-118C	Pilates III
or DANC-118D	Pilates IV
DANC-200A	Touring Dance Ensemble I
or DANC-200B	Touring Dance Ensemble II
DANC-206	Choreography II

Total Units **25.5-31**

Plus General Education (<https://catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/>) and Elective Requirements

Certificate of Achievement

Any student who chooses to complete only the requirements listed above qualifies for a Certificate of Achievement in Dance. An official request must be filed with the Admissions and Records Office prior to the deadline as stated in the Academic Calendar.

Jewelry Design Certificate of Achievement



This certificate provides students with an in-depth study into the practice and critical discourse of jewelry design. The fundamentals of design and execution of jewelry forms utilizing metal fabrication, forming, casting, and stone setting techniques will be explored. This program provides an intense foundation and practice, conceptual and critical thinking, and technical strategies and execution. Participants can then define their path, whether it be career development or personal enrichment.

The Program-level Student Learning Outcomes (PSLOs) below are outcomes that students will achieve after completing specific certificate requirements in this program. Students will:

1. Proficiently propose designs that utilize techniques learned in the classes that will communicate the chosen content of the artist and calculate material requirements necessary to implement these designs.
2. Formulate strategies to form, construct and fabricate designs envisioned and demonstrate skill and craftsmanship in handling metals.
3. Develop different applications of metal in relationship to other art forms.
4. Discuss and critically evaluate jewelry and metal objects from both contemporary and historical contexts.

Certificate of Achievement Requirements:

Code	Title	Units
ART-124	Drawing I	3
ART-129	Three-Dimensional Design	3
ART-131	Jewelry Design I	3
ART-132	Jewelry Design II	3
ART-133	Metalsmithing & Casting	3
Total Units		15

Line Cook Certificate of Achievement



The Line Cook certificate prepares the student who has no exposure to the field and those with limited experience to immediately enter any Food Service operation in a line cook entry-level position with greater opportunity for advancement. The Food Service industry offers unlimited career opportunities and valuable experience. The foundation courses that can be completed in one or two semesters may lead to a Certificate of Achievement in Culinary Arts or with general education courses, an Associate of Science Degree in Culinary Arts.

Code	Title	Units
CA-165	Sanitation for Food Service	1
CA-169	Essential Skills for Culinary Arts	3
CA-171	Intermediate Culinary Skills	3
CA-172	Principles of Soup, Stock and Sauce Preparation	3
CA-180	Advanced Food Preparation for Fine Dining	3
Total Units		13

Certificate of Achievement

Any student who chooses to complete only the requirements listed above qualifies for a Certificate of Achievement in Line Cook. An official request must be filed with the Admissions and Records Office prior to the deadline as stated in the Academic Calendar.

Music Associate in Arts



The music major offers a secure foundation for further study in music. The primary emphasis of the program is to prepare students for transfer to four-year institutions. In addition to the required and elective courses, music students are expected to participate in at least one performing organization each semester.

Career Opportunities

<https://www.grossmont.edu/student-support/career-center/resources.php>

Arranger¹
 Conductor¹
 Critic¹
 Instrumentalist
 Music Director¹
 Music Instructor¹
 Music Therapist¹
 Performer, Vocalist
 Piano Tuner
 Recording Engineer¹
 Teacher / Professor¹

¹ Bachelor's Degree or higher required.

The Program-level Student Learning Outcomes (PSLOs) below are outcomes that students will achieve after completing specific degree / certificate requirements in this program. Students will:

1. Apply the terminology associated with the language of music.
2. Correlate significant events and trends in music history with significant events and trends in world history.

Associate Degree Major Requirements

Code	Title	Units
MUS-105	Music Theory and Practice I	4
MUS-106	Music Theory and Practice II	4
MUS-132	Class Piano I	3
MUS-133	Class Piano II	3
Total Units		14

Area of Emphasis

Classical Studies

Code	Title	Units
MUS-190	Performance Studies	0.5
MUS-191	Performance Studies	0.5
MUS-205	Music Theory and Practice III	4
MUS-206	Music Theory and Practice IV	4
MUS-232	Class Piano III	3
MUS-233	Class Piano IV	3
MUS-290	Performance Studies	0.5
MUS-291	Performance Studies	0.5
Select four (4) units from any other music courses		4
Total Units		20

Plus General Education (<https://catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/>) and Elective Requirements



Associate Degree
for TransferSM

Music for Transfer (AA-T)



The Associate in Arts in Music for Transfer (AA-T) degree is designed to facilitate transfer to a California State University in keeping with SB 1440. This degree reflects the Transfer Model Curriculum (TMC) supported by the Statewide Academic Senate. A total of 22 units are required to fulfill the major portion of this degree. Students must also complete the California State University (CSU) General Education Breadth Requirements or the Intersegmental General Education Transfer Curriculum (IGETC) (see the "General Education Requirements and Transfer Information" section of the catalog). Students planning to transfer to SDSU should consult with a counselor.

The following requirements must be met to be awarded an Associate in Arts in Music for Transfer (AA-T) degree:

1. Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
 - a. The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirement.
 - b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0. Students are also required to earn a "C" grade or higher or "Pass" in all courses required for the major.

Music is the study of art, space, and silence through time. The art of arranging sounds or making sounds, usually those of musical instruments or voices. Musical language may be used to mean style or genre, while music may be treated as language without being called such. The study of music offers a secure foundation for exploration into these areas. Furthermore, studying music enables students to obtain careers as performers, educators, composers, and music industry professionals. Students will pursue the art and beauty of music while honing the interpersonal and communication skills that are crucial to every career.

The Program-level Student Learning Outcomes (PSLOs) below are outcomes that students will achieve after completing specific degree / certificate requirements in this program. Students will:

1. Apply the terminology associated with the language of music.
2. Correlate significant events and trends in music history with significant events and trends in world history.

Associate Degree Major Requirements

Code	Title	Units
Required Core		
MUS-105	Music Theory and Practice I	4
MUS-106	Music Theory and Practice II	4
MUS-205	Music Theory and Practice III	4
MUS-206	Music Theory and Practice IV	4
MUS-190	Performance Studies	0.5
MUS-191	Performance Studies	0.5
MUS-290	Performance Studies	0.5
MUS-291	Performance Studies	0.5
Select four (4) of the following:		4
MUS-138	Grossmont Master Chorale	
MUS-139	Grossmont Master Chorale	
MUS-238	Grossmont Master Chorale	
MUS-239	Grossmont Master Chorale	
MUS-150	Grossmont Symphony Orchestra	
MUS-151	Grossmont Symphony Orchestra	
MUS-250	Grossmont Symphony Orchestra	
MUS-251	Grossmont Symphony Orchestra	
MUS-152	Concert Band	
MUS-153	Concert Band	
MUS-252	Concert Band	
MUS-253	Concert Band	
MUS-154	Afro-Cuban Ensemble	
MUS-155	Afro-Cuban Ensemble	
MUS-254	Afro-Cuban Ensemble	
MUS-255	Afro-Cuban Ensemble	
MUS-156	Jazz Ensemble	
MUS-157	Jazz Ensemble	
MUS-256	Jazz Ensemble	
MUS-257	Jazz Ensemble	
MUS-166	Jazz Vocal Ensemble	
MUS-167	Jazz Vocal Ensemble	
MUS-266	Jazz Vocal Ensemble	
MUS-267	Jazz Vocal Ensemble	
Units in the major		22
Plus General Education Requirements (CSU GE or IGETC) (https://catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/)		37
Total Units		60

Complete transferable units as needed to reach 60.

Students completing IGETC may be awarded the degree, but they must complete a course from Area 1C: Oral Communication to meet CSU admission requirements.

Musical Theatre Associate in Arts and Certificate of Achievement



The primary focus of the Musical Theatre Program is to provide technical and practical musical theatre training in all aspects of Musical Theatre and to assist students in completing lower division requirements in preparation for transfer to baccalaureate level institutions. Secondly the curriculum prepares students for entry-level employment in professional and community theatre as they pursue their degree objectives.

Career Opportunities

<https://www.grossmont.edu/student-support/career-center/resources.php>

Actor / Actress¹
 Dancer²
 Director of Audience Development¹
 Musician²
 Performers¹
 Production Assistant¹
 Song Writers²
 Sound Technician¹
 Theatrical Agent¹

¹ Bachelor's Degree or higher required.

² Bachelor's Degree normally recommended.

The Program-level Student Learning Outcomes (PSLOs) below are outcomes that students will achieve after completing specific degree / certificate requirements in this program. Students will:

1. Demonstrate an appreciation of learning and create a diverse aesthetic for Musical Theatre and its place in culture and society.
2. Participate in high quality, accessible musical theatre productions and present them at a reasonable cost for our students and the community at large.
3. Understand the proper artistic conduct in all academic and professional musical theatre environments.

Associate Degree Major Requirements

Code	Title	Units
DANC-081A	Tap I	1.5
DANC-095	Musical Theatre Dance	1.5
MUS-132	Class Piano I	3
or MUS-133	Class Piano II	
MUS-170	Class Voice	2
MUS-171	Class Voice	2
THTR-130	Acting I	3
THTR-131	Acting II	3
THTR-205	The American Musical on Stage and Screen	3
THTR-234A	Fundamentals of Musical Theatre - Performance I	3

or THTR-234B	Fundamentals of Musical Theatre - Performance II	
THTR-235A	Fundamentals of Musical Theatre - Scene/ Song I	3
or THTR-235B	Fundamentals of Musical Theatre - Scene/Song II	
Select two of the following:		3
DANC-080A	Modern I	
DANC-080B	Modern II	
DANC-080C	Modern III	
DANC-080D	Modern IV	
DANC-084A	Jazz I	
DANC-084B	Jazz II	
DANC-084C	Jazz III	
DANC-084D	Jazz IV	
DANC-088A	Ballet I	
DANC-088B	Ballet II	
DANC-088C	Ballet III	
DANC-088D	Ballet IV	
Select one of the following:		2
THTR-102A	Theatre Production Practicum: Costumes I	
THTR-102B	Theatre Production Practicum: Costumes II	
THTR-102C	Theatre Production Practicum: Costumes III	
THTR-102D	Theatre Production Practicum: Costumes IV	
THTR-103A	Theatre Production Practicum: Sets I	
THTR-103B	Theatre Production Practicum: Sets II	
THTR-103C	Theatre Production Practicum: Sets III	
THTR-103D	Theatre Production Practicum: Sets IV	
THTR-104A	Theatre Production Practicum: Lighting/ Sound I	
THTR-104B	Theatre Production Practicum: Lighting/ Sound II	
THTR-104C	Theatre Production Practicum: Lighting/ Sound III	
THTR-104D	Theatre Production Practicum: Lighting/ Sound IV	
THTR-111A	Rehearsal and Performance: Acting I	
THTR-111B	Rehearsal and Performance: Acting II	
THTR-111C	Rehearsal and Performance: Acting III	
THTR-111D	Rehearsal and Performance: Acting IV	
THTR-112A	Rehearsal and Performance: Stage Management I	
THTR-112B	Rehearsal and Performance: Stage Management II	
THTR-112C	Rehearsal and Performance: Stage Management III	
THTR-112D	Rehearsal and Performance: Stage Management IV	
THTR-113A	Rehearsal and Performance: Production Crew I	
THTR-113B	Rehearsal and Performance: Production Crew II	
THTR-113C	Rehearsal and Performance: Production Crew III	

THTR-113D	Rehearsal and Performance: Production Crew IV	
Select one of the following:		1
THTR-122A	Theatre Workshop Laboratory: Acting I	
THTR-122B	Theatre Workshop Laboratory: Acting II	
THTR-122C	Theatre Workshop Laboratory: Acting III	
THTR-122D	Theatre Workshop Laboratory: Acting IV	
THTR-123A	Theatre Workshop Laboratory: Construction I	
THTR-123B	Theatre Workshop Laboratory: Construction II	
THTR-123C	Theatre Workshop Laboratory: Construction III	
THTR-123D	Theatre Workshop Laboratory: Construction IV	
THTR-124A	Theatre Workshop Laboratory: Production Crew I	
THTR-124B	Theatre Workshop Laboratory: Production Crew II	
THTR-124C	Theatre Workshop Laboratory: Production Crew III	
THTR-124D	Theatre Workshop Laboratory: Production Crew IV	

Total Units 31

Plus General Education (<https://catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/>) and Elective Requirements

Certificate of Achievement

Any student who chooses to complete only the requirements listed above under Musical Theatre core curriculum qualifies for a Certificate of Achievement. An official request must be filled with the Admissions and Records Office prior to the deadline as stated in the Academic Calendar.

Pastry Arts Associate in Science and Certificate of Achievement



Associate Degree Major Requirements

Code	Title	Units
CA-160	Banquet Service Production	3
CA-165	Sanitation for Food Service	1
CA-169	Essential Skills for Culinary Arts	3
CA-171	Intermediate Culinary Skills	3
CA-174	Principles of Baking and Pastry Making	3
CA-176	Advanced Baking and Pastry Arts	3
CA-177	Commercial Baking	3
CA-180	Advanced Food Preparation for Fine Dining	3
CA-183	Pastry Skills in Bread Baking	3
CA-184	Pastry Skills in Chocolate Preparation	3

CA-185	Sugar Work, Petit Fours, and Specialty Pastries	3
CA-186	Pastry Skills in Cake Decorating	3
CA-280	Culinary Career Preparation	1
CA-281	Work Experience in Culinary Arts	2
CA-282	Advanced Work Experience in Culinary Arts	2
Select one of the following:		3
CA-164	International Cooking	
CA-167	Wines of the World	
CA-175	Healthy Lifestyle Cuisine	
CA-178	Garde Manger	
NUTR-155	Introduction to Nutrition	

Total Units 42

Plus General Education (<https://catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/>) and Elective Requirements

Certificate of Achievement

Any student who chooses to complete only the requirements listed above for the major qualifies for the Certificate of Achievement in Pastry Arts. An official request must be filed with the Admissions and Records Office prior to the deadline as stated in the Academic Calendar.

Pastry Cook Certificate of Achievement



The Pastry Cook certificate prepares the student who has no exposure to the field and those with limited experience to immediately enter any food service operation (bakery, pastry department) in a pastry cook entry-level position with greater opportunity for advancement. The food service industry offers unlimited career opportunities and valuable experience in bakery and pastry department settings. The foundation courses that can be completed in one or two semesters may lead to a Certificate of Achievement in Culinary Arts or with general education courses, an Associate of Science Degree in Culinary Arts.

Code	Title	Units
CA-165	Sanitation for Food Service	1
CA-169	Essential Skills for Culinary Arts	3
CA-174	Principles of Baking and Pastry Making	3
CA-176	Advanced Baking and Pastry Arts	3
CA-177	Commercial Baking	3
Total Units		13

Certificate of Achievement

Any student who chooses to complete only the requirements listed above qualifies for a Certificate of Achievement in Pastry Cook. An official request must be filed with the Admissions and Records Office prior to the deadline as stated in the Academic Calendar.

Photography Associate in Arts and Certificate of Achievement



The Associate of Arts in Photography provides students an in-depth study into the practice and critical discourse of photography, photographic seeing and lens-based culture as a visual document of creative expression and communication. The fundamentals of analog and digital photography are set within a series of foundation, intermediate and advanced courses which reference the rich history of the medium as well as contemporary practice, providing students the opportunity to define his or her path whether it is transfer, career development and/or personal enrichment.

The Program-level Student Learning Outcomes (PSLOs) below are outcomes that students will achieve after completing specific degree / certificate requirements in this program. Students will:

1. Recognize and recall the characteristics and application of photographic tools, materials and processes in the production of photographs that apply to such photographic genres as art, commercial, fashion, editorial, photojournalism and documentary.
2. Recognize, recall and demonstrate proper laboratory procedures and practices to produce photographs of optimum technical craft.
3. Recognize, discuss and appraise/analyze/criticize visual themes and concepts, aesthetic and technical considerations within photography's historical and contemporary contexts.
4. Create photographs that demonstrate the comprehension, knowledge and application of photography's visual and technical attributes in developing a personal photographic vision.

Associate Degree Major Requirements

Code	Title	Units
ART-120	Two-Dimensional Design	3
ART-124	Drawing I	3
ART-129	Three-Dimensional Design	3
ART-140	Survey of Western Art I: Prehistory Through Middle Ages	3
or ART-141	Survey of Western Art II: Renaissance Through Modern	
PHOT-150	Introduction to Photography	3
PHOT-154	History of Photography	3
PHOT-252	Photographer's Portfolio	3
Select a minimum of nine units from the following:		9
ART-171	Introduction to Digital Art	
ART-210	Introduction to Printmaking	
PHOT-151	Personal Photographic Vision	
PHOT-152	Contemporary Photographic Practice	

Total Units 30

Plus General Education (<https://catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/>) and Elective Requirements

Certificate of Achievement

Any student who chooses to complete only the courses required for the above major qualifies for a Certificate of Achievement in Photography. An official request must be filed with the Admissions and Records Office prior to the deadline as stated in the Academic Calendar.

Photography Certificate of Achievement



The Certificate of Achievement in Photography provides students an in-depth study into the practice and critical discourse of photography, photographic seeing and lens-based culture as a visual document of creative expression and communication. The fundamentals of analog and digital photography are set within a series of foundation, intermediate and advanced courses which reference the rich history of the medium as well as contemporary practice, and any student who chooses to complete the courses listed qualifies for the Certificate of Achievement.

Code	Title	Units
PHOT-150	Introduction to Photography	3
PHOT-151	Personal Photographic Vision	3
PHOT-152	Contemporary Photographic Practice	3
PHOT-154	History of Photography	3
PHOT-252	Photographer's Portfolio	3
Total Units		15

Prep Cook Certificate of Achievement



The Prep Cook certificate prepares the student who has no exposure to the field and those with limited experience to immediately enter any food service operation in a prep cook entry-level position with greater opportunity for advancement. The food service industry offers unlimited career opportunities and valuable experience. The foundation courses that can be completed in one or two semesters may lead to a Certificate of Achievement in Culinary Arts or with general education courses, an Associate of Science Degree in Culinary Arts.

Code	Title	Units
CA-160	Banquet Service Production	3
CA-165	Sanitation for Food Service	1
CA-169	Essential Skills for Culinary Arts	3
CA-172	Principles of Soup, Stock and Sauce Preparation	3
CA-180	Advanced Food Preparation for Fine Dining	3
Total Units		13

Certificate of Achievement

Any student who chooses to complete only the requirements listed above qualifies for a Certificate of Achievement in Prep Cook. An official request must be filed with the Admissions and Records Office prior to the deadline as stated in the Academic Calendar.



Associate Degree for TransferSM

Studio Art for Transfer (AA-T)



The Associate in Arts in Studio Art for Transfer (AA-T) degree is designed to facilitate transfer to a California State University in keeping with SB 1440. This degree reflects the Transfer Model Curriculum (TMC) supported by the Statewide Academic Senate. A total of 24 units are required to fulfill the major portion of this degree. Students must also complete the California State University (CSU) General Education Breadth requirements or the Intersegmental General Education Transfer Curriculum (IGETC) (see the "General Education Requirements and Transfer Information" section of the catalog). Students planning to transfer to SDSU should consult with a counselor.

The following requirements must be met to be awarded an Associate in Arts in Studio Art for Transfer (AA-T) degree:

1. Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
 - a. The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirement.
 - b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0. Students are also required to earn a "C" grade or higher or "Pass" in all courses required for the major.

The AA-T degree in Studio Art offers an engaged approach towards artistic practice and critical discourse through a variety and breadth of studio arts and art history courses, including two- and three-dimensional design, ceramics, digital art, drawing and painting, photography and sculpture.

The Visual Arts and Humanities Department fosters appreciation of culture through intellectual and practical engagement with the visual arts and humanities. Its mission is to teach artistic and critical thinking skills and an understanding of culture and history for degree, transfer and career-seeking students. The Department values excellence and empowerment through creative expression, community engagement, and respect for the diversity of culture and the human experience.

The Program-level Student Learning Outcomes (PSLOs) below are outcomes that students will achieve after completing specific degree / certificate requirements in this program. Students will:

1. Analyze and critically evaluate style and composition of artworks through written, verbal, and creative means.
2. Explore, evaluate, analyze artwork within local and global contextual frameworks.
3. Investigate, examine, and practice the creative process and motivations of art makers.

Associate Degree Major Requirements

Code	Title	Units
Required Core		
ART-120	Two-Dimensional Design	3
ART-124	Drawing I	3
ART-129	Three-Dimensional Design	3
ART-141	Survey of Western Art II: Renaissance Through Modern	3
List A		
Select one of the following:		3
ART-140	Survey of Western Art I: Prehistory Through Middle Ages	
ART-142	Art of Africa, Oceania and the Americas	
ART-143	Modern Art	
ART-145	Contemporary Art	
ART-146	Asian Art	
List B		
Select three of the following:		9
ART-121	Painting I	
ART-125	Drawing II	
or ART-230	Figure Drawing I	
ART-126	Ceramics I	
ART-130	Sculpture I	
ART-131	Jewelry Design I	
ART-171	Introduction to Digital Art	
ART-210	Introduction to Printmaking	
PHOT-150	Introduction to Photography	
Units in the major		24
Plus General Education Requirements (CSU GE or IGETC) (https://catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/)		37-39
Total Units		60

Complete transferable units as needed to reach 60.

Students completing IGETC may be awarded the degree, but they must complete a course from Area 1C: Oral Communication to meet CSU admission requirements.

Theatre Arts Associate in Arts and Certificate of Achievement



The Theatre Arts major is designed to provide academic knowledge and practical technical training in all aspects of theatre arts at the entry level. The curriculum provides the essential lower division courses necessary for transfer to similar programs at four-year institutions, as well as assisting students towards employment in the professional and community theatre.

Career Opportunities

<http://www.grossmont.edu/student-services/offices-and-services/careercenter/resources/default.aspx>

Actor / Actress
Actors' Agent
Casting Director
Costume Designer¹
Director¹
Display Designer¹
Light Technician¹
Producer¹
Production Stage Manager¹
Sound Engineer
Special Effects Specialist¹
Theatre Manager

¹ Bachelor's Degree or higher required.

The Program-level Student Learning Outcomes (PSLOs) below are outcomes that students will achieve after completing specific degree / certificate requirements in this program. Students will:

1. Demonstrate an understanding and appreciation for a diverse spectrum of theatrical practices and experiences, and the role of the theatrical artform in culture and society.
2. Participate in high-quality, accessible theatrical productions and present them at a reasonable cost for our students and the community at large.
3. Understand and demonstrate the proper artistic conduct in all academic and professional environments.

Associate Degree Major Requirements

Code	Title	Units
THTR-101	Introduction to Narrative Theory	3
THTR-110	Introduction to the Theatre	3
THTR-130	Acting I	3
THTR-134A	Fundamentals of Costume Design and Construction I	3
or THTR-134B	Fundamentals of Costume Design and Construction II	
THTR-155	Stagecrafts	3
or THTR-157	Fundamentals of Stage Lighting and Sound	

THTR-205	The American Musical on Stage and Screen	3
Select one of the following:		2
THTR-102A	Theatre Production Practicum: Costumes I	
or THTR-102B	Theatre Production Practicum: Costumes II	
or THTR-102C	Theatre Production Practicum: Costumes III	
or THTR-102D	Theatre Production Practicum: Costumes IV	
THTR-103A	Theatre Production Practicum: Sets I	
or THTR-103B	Theatre Production Practicum: Sets II	
or THTR-103C	Theatre Production Practicum: Sets III	
or THTR-103D	Theatre Production Practicum: Sets IV	
THTR-104A	Theatre Production Practicum: Lighting/ Sound I	
or THTR-104B	Theatre Production Practicum: Lighting/Sound II	
or THTR-104C	Theatre Production Practicum: Lighting/Sound III	
or THTR-104D	Theatre Production Practicum: Lighting/Sound IV	
THTR-111A	Rehearsal and Performance: Acting I	
or THTR-111B	Rehearsal and Performance: Acting II	
or THTR-111C	Rehearsal and Performance: Acting III	
or THTR-111D	Rehearsal and Performance: Acting IV	
THTR-112A	Rehearsal and Performance: Stage Management I	
or THTR-112B	Rehearsal and Performance: Stage Management II	
or THTR-112C	Rehearsal and Performance: Stage Management III	
or THTR-112D	Rehearsal and Performance: Stage Management IV	
THTR-113A	Rehearsal and Performance: Production Crew I	
or THTR-113B	Rehearsal and Performance: Production Crew II	
or THTR-113C	Rehearsal and Performance: Production Crew III	
or THTR-113D	Rehearsal and Performance: Production Crew IV	

Total Units **20**

Note: Plus one area of emphasis selected from the following:

Acting Area of Emphasis

Code	Title	Units
THTR-115	Voice and Movement for the Stage	3
THTR-131	Acting II	3
THTR-207	Techniques of Directing I	3
or THTR-208	Techniques of Directing II	
THTR-230	Acting III	3
or THTR-132	Acting for the Camera	
or THTR-234A	Fundamentals of Musical Theatre - Performance I	
or THTR-234B	Fundamentals of Musical Theatre - Performance II	
or THTR-235A	Fundamentals of Musical Theatre - Scene/Song I	
or THTR-235B	Fundamentals of Musical Theatre - Scene/Song II	

Total Units **12**

Plus General Education (<https://catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/>) and Elective Requirements

Recommended Electives

Code	Title	Units
Select one of the following:		2
THTR-111A	Rehearsal and Performance: Acting I	
THTR-111B	Rehearsal and Performance: Acting II	
THTR-111C	Rehearsal and Performance: Acting III	
THTR-111D	Rehearsal and Performance: Acting IV	

Technical Area of Emphasis

Code	Title	Units
THTR-136	Theatre Makeup I	2
THTR-143	Historic Costume for the Theatre	3
or THTR-144	20th Century Fashion and Costume	
THTR-155	Stagecrafts	3
or THTR-157	Fundamentals of Stage Lighting and Sound	
Select one of the following not already taken above:		2
THTR-102A	Theatre Production Practicum: Costumes I	
or THTR-102B	Theatre Production Practicum: Costumes II	
or THTR-102C	Theatre Production Practicum: Costumes III	
or THTR-102D	Theatre Production Practicum: Costumes IV	
THTR-103A	Theatre Production Practicum: Sets I	
or THTR-103B	Theatre Production Practicum: Sets II	
or THTR-103C	Theatre Production Practicum: Sets III	
or THTR-103D	Theatre Production Practicum: Sets IV	
THTR-104A	Theatre Production Practicum: Lighting/ Sound I	
or THTR-104B	Theatre Production Practicum: Lighting/Sound II	
or THTR-104C	Theatre Production Practicum: Lighting/Sound III	
or THTR-104D	Theatre Production Practicum: Lighting/Sound IV	
THTR-112A	Rehearsal and Performance: Stage Management I	
or THTR-112B	Rehearsal and Performance: Stage Management II	
or THTR-112C	Rehearsal and Performance: Stage Management III	
or THTR-112D	Rehearsal and Performance: Stage Management IV	
THTR-113A	Rehearsal and Performance: Production Crew I	
or THTR-113B	Rehearsal and Performance: Production Crew II	
or THTR-113C	Rehearsal and Performance: Production Crew III	
or THTR-113D	Rehearsal and Performance: Production Crew IV	

Total Units **10**

Plus General Education (<https://catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/>) and Elective Requirements

Certificate of Achievement

Any student who chooses to complete only the requirements listed above under Theatre Arts core curriculum plus one of the areas of emphasis qualifies for a Certificate of Achievement in Theatre Arts, Acting or Theatre Arts, Technical. An official request must be filed with the Admissions and Records Office prior to the deadline as stated in the Academic Calendar.



Associate Degree for TransferSM

Theatre Arts For Transfer (AA-T)



The Associate in Arts in Theatre Arts for Transfer (AA-T) degree is designed to facilitate transfer to a California State University in keeping with SB 1440. A total of 18 units are required to fulfill the major portion of this degree. Students must also complete the California State University (CSU) General Education Breadth requirements or the Intersegmental General Education Transfer Curriculum (IGETC) (see the "General Education Requirements and Transfer Information" section of the catalog). Students should speak with a counselor to verify that the requirements for this degree have been met. In addition, students planning to transfer to SDSU should consult with a counselor.

The Associate in Arts in Theatre Arts for Transfer (AA-T) degree will fulfill the mission of both Grossmont College and the community college system by providing a specific group of baccalaureate-level courses that will meet lower division degree requirements in the discipline and allow for seamless transfer to the California State University system to major in Theatre Arts or a related major.

The Program-level Student Learning Outcomes (PSLOs) below are outcomes that students will achieve after completing specific degree / certificate requirements in this program. Students will:

1. Develop an appreciation of learning and create a diverse aesthetic for Theatre and its place in culture and society.
2. Provide high quality, accessible theatrical productions at a reasonable cost for our students and the community at large.
3. Equip students with an understanding of the proper artistic conduct in all academic and professional environments.

The Theatre Arts department is designed to provide academic knowledge and practical technical training in all aspects of theatre arts at the entry level. The curriculum provides the essential lower division courses necessary for transfer to similar programs at four-year institutions, as well as assisting students towards employment in the professional and community theatre.

The following requirements must be met to be awarded an Associate in Arts in Theatre Arts for Transfer (AA-T) degree:

1. Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
 - a. The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirement.
 - b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.

2. Obtainment of a minimum grade point average of 2.0. Students are also required to earn a "C" grade or higher or "Pass" in all courses required for the major.

Associate Degree Major Requirements

Code	Title	Units
Required Core		
THTR-110	Introduction to the Theatre	3
THTR-130	Acting I	3
Select three units maximum from the following:		3
THTR-102A	Theatre Production Practicum: Costumes I	
THTR-102B	Theatre Production Practicum: Costumes II	
THTR-102C	Theatre Production Practicum: Costumes III	
THTR-102D	Theatre Production Practicum: Costumes IV	
THTR-103A	Theatre Production Practicum: Sets I	
THTR-103B	Theatre Production Practicum: Sets II	
THTR-103C	Theatre Production Practicum: Sets III	
THTR-103D	Theatre Production Practicum: Sets IV	
THTR-104A	Theatre Production Practicum: Lighting/Sound I	
THTR-104B	Theatre Production Practicum: Lighting/Sound II	
THTR-104C	Theatre Production Practicum: Lighting/Sound III	
THTR-104D	Theatre Production Practicum: Lighting/Sound IV	
THTR-111A	Rehearsal and Performance: Acting I	
THTR-111B	Rehearsal and Performance: Acting II	
THTR-111C	Rehearsal and Performance: Acting III	
THTR-111D	Rehearsal and Performance: Acting IV	
THTR-112A	Rehearsal and Performance: Stage Management I	
THTR-112B	Rehearsal and Performance: Stage Management II	
THTR-112C	Rehearsal and Performance: Stage Management III	
THTR-112D	Rehearsal and Performance: Stage Management IV	
THTR-122A	Theatre Workshop Laboratory: Acting I	
THTR-122B	Theatre Workshop Laboratory: Acting II	
THTR-122C	Theatre Workshop Laboratory: Acting III	
THTR-122D	Theatre Workshop Laboratory: Acting IV	
THTR-123A	Theatre Workshop Laboratory: Construction I	
THTR-123B	Theatre Workshop Laboratory: Construction II	
THTR-123B	Theatre Workshop Laboratory: Construction II	
THTR-123C	Theatre Workshop Laboratory: Construction III	
List A		
Select nine units from the following:		9
THTR-101	Introduction to Narrative Theory	

THTR-131	Acting II
THTR-134A	Fundamentals of Costume Design and Construction I
THTR-155	Stagecrafts
THTR-156	Fundamentals of Scenic Design
THTR-157	Fundamentals of Stage Lighting and Sound
Or select from the required core courses not already used (3 units maximum):	
THTR-102A	Theatre Production Practicum: Costumes I
THTR-102B	Theatre Production Practicum: Costumes II
THTR-102C	Theatre Production Practicum: Costumes III
THTR-102D	Theatre Production Practicum: Costumes IV
THTR-103A	Theatre Production Practicum: Sets I
THTR-103B	Theatre Production Practicum: Sets II
THTR-103C	Theatre Production Practicum: Sets III
THTR-103D	Theatre Production Practicum: Sets IV
THTR-104A	Theatre Production Practicum: Lighting/Sound I
THTR-104B	Theatre Production Practicum: Lighting/Sound II
THTR-104C	Theatre Production Practicum: Lighting/Sound III
THTR-104D	Theatre Production Practicum: Lighting/Sound IV
THTR-111A	Rehearsal and Performance: Acting I
THTR-111B	Rehearsal and Performance: Acting II
THTR-111C	Rehearsal and Performance: Acting III
THTR-111D	Rehearsal and Performance: Acting IV
THTR-112A	Rehearsal and Performance: Stage Management I
THTR-112B	Rehearsal and Performance: Stage Management II
THTR-112C	Rehearsal and Performance: Stage Management III
THTR-112D	Rehearsal and Performance: Stage Management IV
THTR-122A	Theatre Workshop Laboratory: Acting I
THTR-122B	Theatre Workshop Laboratory: Acting II
THTR-122C	Theatre Workshop Laboratory: Acting III
THTR-122D	Theatre Workshop Laboratory: Acting IV
THTR-123A	Theatre Workshop Laboratory: Construction I
THTR-123B	Theatre Workshop Laboratory: Construction II
THTR-123C	Theatre Workshop Laboratory: Construction III
THTR-123D	Theatre Workshop Laboratory: Construction IV

Units in the major **18**

Plus General Education Requirements (CSU GE or IGETC) (<https://catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/>)

Total Units **60**

Students completing IGETC may be awarded the degree, but they must complete a course from Area 1C: Oral Communication to meet CSU admission requirements.

Theatre Arts Technical Training Program Associate in Arts and Certificate of Achievement



The Theatre Arts Technical Training Program is designed to provide technical theatre skills and practical technical theatre training in all aspects of Technical Theatre. The curriculum prepares students for entry-level technical employment in the professional and community theatre.

Associate Degree Major Requirements

Code	Title	Units
THTR-101	Introduction to Narrative Theory	3
THTR-134A	Fundamentals of Costume Design and Construction I	3
or THTR-134B	Fundamentals of Costume Design and Construction II	
Select one of the following:		2
THTR-136	Theatre Makeup I	
THTR-140A	Costume Patternmaking I	
THTR-140B	Costume Patternmaking II	
THTR-155	Stagecrafts	3
THTR-156	Fundamentals of Scenic Design	3
THTR-157	Fundamentals of Stage Lighting and Sound	3
Select one of the following:		1-3
THTR-241	Theatre Arts Technical Internship	
THTR-242	Theatre Arts Technical Internship	
THTR-243	Theatre Arts Technical Internship	
Select four courses from the following:		8
THTR-102A	Theatre Production Practicum: Costumes I	
THTR-102B	Theatre Production Practicum: Costumes II	
THTR-102C	Theatre Production Practicum: Costumes III	
THTR-102D	Theatre Production Practicum: Costumes IV	
THTR-103A	Theatre Production Practicum: Sets I	
THTR-103B	Theatre Production Practicum: Sets II	
THTR-103C	Theatre Production Practicum: Sets III	
THTR-103D	Theatre Production Practicum: Sets IV	
THTR-104A	Theatre Production Practicum: Lighting/Sound I	

THTR-104B	Theatre Production Practicum: Lighting/ Sound II
THTR-104C	Theatre Production Practicum: Lighting/ Sound III
THTR-104D	Theatre Production Practicum: Lighting/ Sound IV

Total Units **26-28**

Plus General Education (<https://catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/>) and Elective Requirements

Certificate of Achievement

Any student who chooses to complete only the requirements listed above under Theatre Arts Technical Training Program qualifies for a Certificate of Achievement. An official request must be filed with the Admissions and Records Office prior to the deadline as stated in the Academic Calendar.

Course Descriptions

A

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- American Sign Language (ASL) (p. 245)
- Anthropology (ANTH) (p. 246)
- Arabic (ARBC) (p. 247)
- Art (ART) (p. 248)
- Astronomy (ASTR) (p. 253)

B

- Biological Sciences (BIO) (p. 254)
- Business (BUS) (p. 257)
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C

- Cardiovascular Technology (CVTE) (p. 268)
- Chemistry (CHEM) (p. 271)
- Child Development (CD) (p. 273)
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D

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E

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F

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G

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- Geography (GEOG) (p. 329)
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H

- Health Education (HED) (p. 335)
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I

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J

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L

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M

- Mathematics (MATH) (p. 344)
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N

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O

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- Oceanography (OCEA) (p. 367)
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P

- Personal Dev-Success Services (PDSS) (p. 369)
- Philosophy (PHIL) (p. 370)
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- Physics (PHYC) (p. 374)
- Political Science (POSC) (p. 376)
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R

- Religious Studies (RELG) (p. 380)
- Respiratory Therapy (RESP) (p. 381)
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S

- Science (SCI) (p. 385)
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T

- Theatre Arts (THTR) (p. 388)

Administration of Justice (AOJ)

AOJ-101A

Firearms for PC 832 Laws of Arrest 0.5 UNITS

Prerequisite: Students must not have any felony or domestic violence convictions and must meet state and federal requirements for possessing a firearm.

0.5 hours lecture, 1.0 hours laboratory

This course meets the basic requirements for those who need California Peace Officer powers of arrest course with firearms. Meets the requirements of Penal Code Section 832, Laws of Arrest with firearms, as required by P.O.S.T. This course is offered on a Pass/No Pass basis only.

AOJ-101B

Firearms for PC 832 Laws of Arrest 0.5 UNITS

Prerequisite: Students must not have any felony or domestic violence convictions and must meet state and federal requirements for possessing a firearm.

0.5 hours lecture, 1.0 hours laboratory

This course meets the basic requirements for those who need California Peace Officer powers of arrest course with firearms. Meets the requirements of Penal Code Section 832, Laws of Arrest with firearms, as required by P.O.S.T. This course is offered on a Pass/No Pass basis only.

AOJ-101C

Firearms for PC 832 Laws of Arrest 0.5 UNITS

Prerequisite: Students must not have any felony or domestic violence convictions and must meet state and federal requirements for possessing a firearm.

0.5 hours lecture, 1.0 hours laboratory

This course meets the basic requirements for those who need California Peace Officer powers of arrest course with firearms. Meets the requirements of Penal Code Section 832, Laws of Arrest with firearms, as required by P.O.S.T. This course is offered on a Pass/No Pass basis only.

AOJ-101D

Firearms for PC 832 Laws of Arrest 0.5 UNITS

Prerequisite: Students must not have any felony or domestic violence convictions and must meet state and federal requirements for possessing a firearm.

0.5 hours lecture, 1.0 hours laboratory

This course meets the basic requirements for those who need California Peace Officer powers of arrest course with firearms. Meets the requirements of Penal Code Section 832, Laws of Arrest with firearms, as required by P.O.S.T. This course is offered on a Pass/No Pass basis only.

AOJ-102A

PC 832 - Laws of Arrest (40 hours) 1.5 UNITS

1.88 hours lecture, 0.63 hours laboratory

Meets the basic requirements of Penal Code Section 832, Laws of Arrest, as required by P.O.S.T. Recommended for those with current employment in a position requiring powers of arrest. This may include search and rescue, lifeguards, animal control, probation officers and allows for some limited support duties by Level III Reserves. AOJ 102 is offered in a 40 hour intensive format. There is no firearm instruction in this course. This course is offered on a Pass/No Pass basis only.

AOJ-102B

PC 832 - Laws of Arrest (40 Hours) 1.5 UNITS

1.88 hours lecture, 0.63 hours laboratory

Meets the basic requirements of Penal Code Section 832, Laws of Arrest, as required by P.O.S.T. Recommended for those with current employment in a position requiring powers of arrest. This may include search and rescue, lifeguards, animal control, probation officers and allows for some limited support duties by Level III Reserves. AOJ 102 is offered in a 40 hour intensive format. There is no firearm instruction in this course. This course is offered on a Pass/No Pass basis only.

AOJ-104

Police Academy (Level II) 11 UNITS

Prerequisite: "Pass" grade in AOJ 103A-B-C-D or equivalent.

9.0 hours lecture, 6.0 hours laboratory

Prerequisite: A Pass grade in AOJ 103A-B-C-D or equivalent. Students must not have any felony or domestic violence misdemeanor convictions and must meet state and federal government requirements for possession of a firearm. Topics include report writing, laws of arrest, firearms, search and seizure, cultural awareness, and weapons violations. Meets P.O.S.T. Module II requirements and allows Reserve Police Officers to perform more law enforcement related duties than Level III Reserve Police Officers. Successful completion of Modules III and II may qualify the student for entry into a P.O.S.T. certified Module I program. Students may repeat this course every three years because certification expires unless one is appointed as an officer. This course is offered on a Pass/No Pass basis only.

AOJ-107

Corrections Academy 11.5 UNITS

Prerequisite: Students must not have any felony or domestic violence misdemeanor convictions and must meet state and federal government requirements for possession of a firearm.

10.0 hours lecture, 4.6 hours laboratory

This course addresses specific instructional and performance objectives for those seeking employment as corrections officers in local or county jails, adult probation, and community correctional facilities in California, as well as privately-contracted federal correctional facilities. This course meets the requirements for PC 6035 Adult Corrections Officer Core Course as specified by the State of California, Board of State and Community Corrections, Standards and Training for Corrections (STC) for entry-level adult corrections officers. This course is offered on a Pass/No Pass basis only.

AOJ-110

Introduction to Administration of Justice 3 UNITS

3.0 hours lecture

This course introduces students to the characteristics of the criminal justice system in the United States. Focus is placed on examining crime measurement, theoretical explanations of crime, responses to crime, components of the system, and current challenges to the system. The course examines the evolution of the principles and approaches utilized by the justice system and the evolving forces which have shaped those principals and approaches. Although justice structure and process is examined in a cross cultural context, emphasis is placed on the US justice system, particularly the structure and function of US police, courts, and corrections. Students are introduced to the origins and development of criminal law, legal process, and sentencing and incarceration policies. (C-ID AJ 110) (CSU/UC) (AA/AS-D, CSU-D, IGETC-4)

<p>AOJ-111 Introduction to Security Management 3 UNITS 3.0 hours lecture An introduction to private as well as public security management. The historical, philosophical and legal bases for security services are examined. Emphasis is placed on: the role of the security organization and security personnel in modern society; concepts of professionalism and ethics; types and functions of security operations; counterterrorism; and career pathways in security management. (CSU)</p>	<p>AOJ-144 Probation and Parole 3 UNITS 3.0 hours lecture This course is a survey of the role of probation and parole in today's criminal justice system and includes theoretical concerns and case law effects in probation and parole supervision. A review and evaluation of community-based corrections and analysis of the diverse roles of the probation officer and parole agent. (CSU)</p>
<p>AOJ-119 Public Safety Hiring Procedures 1 UNITS 1.0 hours lecture A course designed to assist the student in preparing for civil service exams related to public safety. This course is recommended for students who are interested in a career in Forensics, Law Enforcement or other Public Safety related careers and is offered on a Pass/No Pass basis only.</p>	<p>AOJ-148 Fingerprint Identification 3 UNITS Prerequisite: "C" grade or higher or "Pass" in AOJ 110 or equivalent or concurrent enrollment in AOJ 110. 2.0 hours lecture, 3.0 hours laboratory A study of the history and application of fingerprints for personal identification, including the proper techniques for recording fingerprints. Emphasis is placed on recognition of fingerprint patterns, fingerprint classification systems, preparing fingerprints for computer searches, and aspects of individualizing fingerprints. (CSU)</p>
<p>AOJ-120 Community Policing and Patrol Procedure 3 UNITS 3.0 hours lecture This course involves an examination of the philosophy, principles, and practices of community policing as well as a discussion of the responsibilities, techniques, and methods of police patrol. Emphasis is placed on strategies designed to engage and assist a community in the development and implementation of solutions to police related problems. Operations, supervision, and leadership within the context of contemporary policing are studied. (CSU)</p>	<p>AOJ-150 Forensic Photography 4 UNITS Corequisite: "C" grade or higher or "Pass" in AOJ 110 or concurrent enrollment in AOJ 110. 3.0 hours lecture, 3.0 hours laboratory This course is designed to provide students with an emphasis on the technical application of basic investigative photography. This course would be of benefit for public safety investigators, and those who are interested in forensic photography. The course includes using the types of cameras, lighting, enlargers, etc., most often used by law enforcement agencies. Students will be expected to demonstrate proficiency in the use of this equipment, using simulated crime scenes. Legal issues related to criminal investigations will also be discussed. (CSU)</p>
<p>AOJ-122 Traffic Law and Enforcement 3 UNITS 3.0 hours lecture A study of traffic management and control. Emphasis is placed on traffic law enforcement procedures, motor vehicle code violations, public safety, and collision investigations. (CSU)</p>	<p>AOJ-155 Digital Investigations 3 UNITS 3.0 hours lecture This course provides an introduction to the forensic analysis of digital devices (most commonly used cell phones, smart phones, tablets, computers) and focuses on the procedures, policies, and technology utilized in digital evidence recovery. Emphasis is placed on the analysis of digital evidence for use during criminal or civil investigations. This course also prepares students with knowledge in investigative principles and applicable case law that is applicable to both civil and criminal investigations. (CSU)</p>
<p>AOJ-125 Introduction to Corrections 3 UNITS 3.0 hours lecture This course provides a critical analysis of punishment, including various types of alternatives, and the impact on the Criminal Justice System. A critical examination of the types of correctional institutions and the clients housed in each institution. (C-ID AJ 200) (CSU)</p>	<p>AOJ-158 Public Safety Dispatcher 7 UNITS 7.0 hours lecture, 0.5 hours laboratory Methods and operation of law enforcement and public safety communications. The course will include federal communications regulations, data retrieval systems, and applications in communications. Students will be analyzing data to determine priorities for making decisions under stress. This course is offered on a Pass/No Pass basis only. (CSU)</p>
<p>AOJ-140 Inmate Psychology and Supervision 3 UNITS 3.0 hours lecture This course is an overview of the psychological aspects of inmate supervision in local, state and federal correctional institutions as well as the techniques in counseling and interviewing. The student will learn confidence-building techniques and theories to properly assess and react to the institutional daily living and crisis situations. The course will emphasize the roles played by the inmate and the correctional worker. (CSU)</p>	
<p>AOJ-143 Gangs and Law Enforcement 3 UNITS 3.0 hours lecture This course is designed to provide students with a base of knowledge as it relates to the impact of gangs in both correctional and community settings. It includes a review of the types of gangs, history, and criminal activities associated with gangs. (CSU)</p>	

AOJ-171A**Basic Security Academy****3 UNITS**

3.0 hours lecture

The criminal justice system and the role of the security sector: the law and procedures relative to arrest, search and seizure, interrogation, custody, civil liability, and the moral, legal, and ethical use of force for security personnel. Emphasis is placed on security operations, emergency procedures, public relations, report writing, CPR, preparation for employment, and career opportunities in contract as well as proprietary security services. Satisfies California Department of Consumer Affairs, Bureau of Security and Investigative Services, licensing requirements for guard registration (guard card) for security officers. This course is offered on a Pass/No Pass basis only. (CSU)

AOJ-171B**Basic Security Academy****3 UNITS**

3.0 hours lecture

The criminal justice system and the role of the security sector: the law and procedures relative to arrest, search and seizure, interrogation, custody, civil liability, and the moral, legal, and ethical use of force for security personnel. Emphasis is placed on security operations, emergency procedures, public relations, report writing, CPR, preparation for employment, and career opportunities in contract as well as proprietary security services. Satisfies California Department of Consumer Affairs, Bureau of Security and Investigative Services, licensing requirements for guard registration (guard card) for security officers. This course is offered on a Pass/No Pass basis only. (CSU)

AOJ-171C**Basic Security Academy****3 UNITS**

3.0 hours lecture

The criminal justice system and the role of the security sector: the law and procedures relative to arrest, search and seizure, interrogation, custody, civil liability, and the moral, legal, and ethical use of force for security personnel. Emphasis is placed on security operations, emergency procedures, public relations, report writing, CPR, preparation for employment, and career opportunities in contract as well as proprietary security services. Satisfies California Department of Consumer Affairs, Bureau of Security and Investigative Services, licensing requirements for guard registration (guard card) for security officers. This course is offered on a Pass/No Pass basis only. (CSU)

AOJ-171D**Basic Security Academy****3 UNITS**

3.0 hours lecture

The criminal justice system and the role of the security sector: the law and procedures relative to arrest, search and seizure, interrogation, custody, civil liability, and the moral, legal, and ethical use of force for security personnel. Emphasis is placed on security operations, emergency procedures, public relations, report writing, CPR, preparation for employment, and career opportunities in contract as well as proprietary security services. Satisfies California Department of Consumer Affairs, Bureau of Security and Investigative Services, licensing requirements for guard registration (guard card) for security officers. This course is offered on a Pass/No Pass basis only. (CSU)

AOJ-172A**Advanced Security Academy****2 UNITS**

Prerequisite: "Pass" grade in AOJ 171 A-B-C-D or equivalent, or work experience as a California State Certified Security Guard and current CA Bureau of Security and Investigative Services (BSIS) guard card. 2.25 hours lecture, 0.75 hours laboratory

The role of the security officer with emphasis placed on the laws and liability of school security operations including disaster and emergency procedures. The course will include student conflict resolution and behavioral analysis, first aid, baton, defensive tactics, handcuffing, and chemical reagent use. Satisfies California Department of Consumer Affairs, Bureau of Security and Investigative Services, licensing requirements for baton permits for security officers. This course is offered on a Pass/No Pass basis only. (CSU)

AOJ-172B**Advanced Security Academy****2 UNITS**

Prerequisite: "Pass" grade in AOJ 171 A-B-C-D or equivalent, or work experience as a California State Certified Security Guard and current CA Bureau of Security and Investigative Services (BSIS) guard card. 2.25 hours lecture, 0.75 hours laboratory

The role of the security officer with emphasis placed on the laws and liability of school security operations including disaster and emergency procedures. The course will include student conflict resolution and behavioral analysis, first aid, baton, defensive tactics, handcuffing, and chemical reagent use. Satisfies California Department of Consumer Affairs, Bureau of Security and Investigative Services, licensing requirements for baton permits for security officers. This course is offered on a Pass/No Pass basis only. (CSU)

AOJ-172C**Advanced Security Academy****2 UNITS**

Prerequisite: "Pass" grade in AOJ 171 A-B-C-D or equivalent, or work experience as a California State Certified Security Guard and current CA Bureau of Security and Investigative Services (BSIS) guard card. 2.25 hours lecture, 0.75 hours laboratory

The role of the security officer with emphasis placed on the laws and liability of school security operations including disaster and emergency procedures. The course will include student conflict resolution and behavioral analysis, first aid, baton, defensive tactics, handcuffing, and chemical reagent use. Satisfies California Department of Consumer Affairs, Bureau of Security and Investigative Services, licensing requirements for baton permits for security officers. This course is offered on a Pass/No Pass basis only. (CSU)

AOJ-172D**Advanced Security Academy****2 UNITS**

Prerequisite: "Pass" grade in AOJ 171 A-B-C-D or equivalent, or work experience as a California State Certified Security Guard and current CA Bureau of Security and Investigative Services (BSIS) guard card. 2.25 hours lecture, 0.75 hours laboratory

The role of the security officer with emphasis placed on the laws and liability of school security operations including disaster and emergency procedures. The course will include student conflict resolution and behavioral analysis, first aid, baton, defensive tactics, handcuffing, and chemical reagent use. Satisfies California Department of Consumer Affairs, Bureau of Security and Investigative Services, licensing requirements for baton permits for security officers. This course is offered on a Pass/No Pass basis only. (CSU)

AOJ-200 Criminal Law 3.0 hours lecture This course offers an analysis of the doctrines of criminal liability in the United States and the classification of crimes against persons, property, morals, and public welfare. Special emphasis is placed on the classification of crime, the general elements of crime, the definitions of common and statutory law, and the nature of acceptable evidence. This course utilizes case law and case studies to introduce students to criminal law. The completion of this course offers a foundation upon which upper-division criminal justice courses will build. The course will also include some limited discussion of prosecution and defense decision making, criminal culpability and defenses to crimes. (C-ID AJ 120) (CSU)	3 UNITS	AOJ-208 Juvenile Procedures 3.0 hours lecture This course is an examination of the origin, development, and organization of the Juvenile Justice System as it evolved in the American Justice System. The course explores the theories that focus on enforcement, adjudication and correctional policies associated with juvenile justice in addition to the constitutional protections extended to juveniles administered in the American Justice System. (C-ID AJ 220) (CSU)	3 UNITS
AOJ-201 Legal Aspects of Security Management 3.0 hours lecture This course assesses the legal issues that affect security officers and security management. Emphasis is placed on laws of arrest, search and seizure, detention, interrogation, and use of force. This course will also cover civil liability, property and privacy rights, and security management policy consideration. (CSU)	3 UNITS	AOJ-210 Leadership in Criminal Justice 3.0 hours lecture An examination of the principles and practices of organization, administration and management in public safety and security environments (law enforcement, courts, corrections, and security). Emphasis is placed on planning, budgeting, human resources development, operations, supervision, evaluation, leadership, and ethical decision making. (CSU)	3 UNITS
AOJ-202 Criminal Evidence Recommended Preparation: "C" grade or higher in AOJ 200 or equivalent. 3.0 hours lecture This course examines categories of evidence and legal rules governing its admission and exclusion in the criminal process. Discussions will include the origin, development, philosophy and constitutional basis of evidence; constitutional and procedural consideration affecting arrest, search and seizure, and custodial interrogations; kinds and degrees of evidence and rules governing admissibility; and judicial decisions involving criminal evidence. (C-ID AJ 124) (CSU)	3 UNITS	AOJ-214 Public Service Internship Prerequisite: "C" grade or higher or "Pass" in AOJ 110 or equivalent. Work experience as a sworn, reserve or volunteer person with a local public or private agency. (CSU) 10 hours work experience per week, 120 volunteer hours or 150 paid hours.	2 UNITS
AOJ-204 Criminal Trial Process 3.0 hours lecture This course provides an examination and analysis of due process in criminal proceedings from pre-arrest through trial and appeal utilizing statutory law and state and constitutional law precedents. (C-ID AJ 122) (CSU)	3 UNITS	AOJ-215 Public Service Internship Prerequisite: "C" grade or higher or "Pass" in AOJ 110 or equivalent. Work experience as a sworn, reserve or volunteer person with a local public or private agency. (CSU) 10 hours work experience per week, 120 volunteer hours or 150 paid hours.	2 UNITS
AOJ-206 Criminal Investigation 3.0 hours lecture This course addresses the techniques, procedures, and ethical issues in the investigation of crime, including organization of the investigative process, crime scene searches, interviewing and interrogating, surveillance, source of information, utility of evidence, scientific analysis of evidence and the role of the investigator in the trial process. (C-ID AJ 140) (CSU)	3 UNITS	AOJ-218 Crime Scene Technology Prerequisite: "C" grade or higher in AOJ 150 or equivalent. Recommended Preparation: "C" grade or higher in AOJ 148 or equivalent. 3.0 hours lecture, 3.0 hours laboratory This course is specially designed to prepare students to work in the field of forensic technology. This includes recognizing items of evidentiary value, preservation of the crime scene, crime scene photography, sketching a crime scene and evidence. The student will demonstrate proficiency in various forensic processing techniques and will prepare a court room ready presentation. (CSU)	4 UNITS
AOJ-207 Investigative Techniques for Security Management 3.0 hours lecture An overview of civil as well as criminal investigations in a security management setting. Emphasis is placed upon procedures, legalities, and technical aspects of specialized investigations relating to crime, pre-employment screening, sexual harassment, unlawful employment discrimination, accidents, unexplained losses, and other business activities. Proper documentation of a security investigation is also discussed. (CSU)	3 UNITS	AOJ-220 Forensic Analysis Prerequisite: "C" grade or higher in AOJ 218 or equivalent. 3.0 hours lecture, 3.0 hours laboratory This course will examine the scientific method as it applies to the collection, processing and analysis of physical evidence associated with crime scenes. Lectures and labs will be utilized to explore techniques and theories related to collecting, processing and analyzing trace evidence, bloodstain patterns, footwear/tire impressions, firearms, ballistics, questioned documents, toxicology and serology. (CSU)	4 UNITS
		AOJ-224 Forensic Public Service Internship Prerequisite: "C" grade or higher or "Pass" in AOJ 148 and 150 or equivalent. Forensic work experience as a sworn, reserve or volunteer person with a local public or private agency or lab. (CSU) 10 hours work experience per week, 120 volunteer hours or 150 paid hours.	2 UNITS

AOJ-230**Public Safety Communications****3 UNITS**

3.0 hours lecture

This course deals with all aspects of public safety communications. It will cover the techniques of effectively communicating facts, information and ideas in a clear and logical manner for a variety of public safety reports; i.e., crime/violation/incident reports, letters, memoranda, directives and administrative reports. Students will gain practical experience in interviewing, note taking, report writing and testifying. (CSU)

AOJ-240**Community and the Justice System****3 UNITS**

Recommended Preparation: "C" grade or higher in AOJ 110 or equivalent.
3.0 hours lecture

This course examines the complex, dynamic relationship between communities and the justice system in addressing crime and conflict with an emphasis on the challenges and prospects of administering justice within a diverse multicultural population. Topics covered may include crime prevention, restorative justice, conflict resolution, and ethics. (C-ID AJ 160) (CSU)

AOJ-249A**Advanced Officer Course****0.5 UNITS**

Prerequisite: Peace Officer status or paraprofessional in a related field, or AOJ students with 18 units in Administration of Justice coursework.
0.5 hours lecture

A basic introductory course designed for peace officers or paraprofessionals in a related field, who have completed their probationary period and are required to update their knowledge of current laws and procedures. Topics may include, but are not limited to: illegal substances, auto theft, gangs, telecommunications update, homeland security, blood spatter interpretation, forensic photography, CAD (computer aided design), leadership and ethics, digital imaging, crime scene investigation, field evidence technology, report writing, and physical training. This course is offered as a Pass/No Pass basis only. (CSU)

AOJ-249B**Advanced Officer Course****0.5 UNITS**

Prerequisite: Peace Officer status or paraprofessional in a related field, or AOJ students with 18 units in Administration of Justice coursework.
0.5 hours lecture

A basic introductory course designed for peace officers or paraprofessionals in a related field, who have completed their probationary period and are required to update their knowledge of current laws and procedures. Topics may include, but are not limited to: illegal substances, auto theft, gangs, telecommunications update, homeland security, blood spatter interpretation, forensic photography, CAD (computer aided design), leadership and ethics, digital imaging, crime scene investigation, field evidence technology, report writing, and physical training. This course is offered as a Pass/No Pass basis only. (CSU)

AOJ-249C**Advanced Officer Course****0.5 UNITS**

Prerequisite: Peace Officer status or paraprofessional in a related field, or AOJ student with 18 units in Administration of Justice coursework.
0.5 hours lecture

A basic introductory course designed for peace officers or paraprofessionals in a related field, who have completed their probationary period and are required to update their knowledge of current laws and procedures. Topics may include, but are not limited to: illegal substances, auto theft, gangs, telecommunications update, homeland security, blood spatter interpretation, forensic photography, CAD (computer aided design), leadership and ethics, digital imaging, crime scene investigation, field evidence technology, report writing, and physical training. This course is offered as a Pass/No Pass basis only. (CSU)

AOJ-249D**Advanced Officer Course****0.5 UNITS**

Prerequisite: Peace Officer status or paraprofessional in a related field, or AOJ students with 18 units in Administration of Justice coursework.
0.5 hours lecture

A basic introductory course designed for peace officers or paraprofessionals in a related field, who have completed their probationary period and are required to update their knowledge of current laws and procedures. Topics may include, but are not limited to: illegal substances, auto theft, gangs, telecommunications update, homeland security, blood spatter interpretation, forensic photography, CAD (computer aided design), leadership and ethics, digital imaging, crime scene investigation, field evidence technology, report writing, and physical training. This course is offered as a Pass/No Pass basis only. (CSU)

AOJ-250A**Advanced Officer Course****1.5 UNITS**

Prerequisite: Peace Officer status or paraprofessional in a related field, or AOJ students with 18 units in Administration of Justice coursework.
1.5 hours lecture

A basic introductory course designed for peace officers or paraprofessionals in a related field, who have completed their probationary period and are required to update their knowledge of current laws and procedures. Topics may include, but are not limited to: illegal substances, auto theft, gangs, telecommunications update, homeland security, blood spatter interpretation, forensic photography, CAD (computer aided design), leadership and ethics, digital imaging, crime scene investigation, field evidence technology, report writing, and physical training. This course is offered as a Pass/No Pass basis only. (CSU)

AOJ-250B**Advanced Officer Course****1.5 UNITS**

Prerequisite: Peace Officer status or paraprofessional in a related field, or AOJ student with 18 units in Administration of Justice coursework.
1.5 hours lecture

A basic introductory course designed for peace officers or paraprofessionals in a related field, who have completed their probationary period and are required to update their knowledge of current laws and procedures. Topics may include, but are not limited to: illegal substances, auto theft, gangs, telecommunications update, homeland security, blood spatter interpretation, forensic photography, CAD (computer aided design), leadership and ethics, digital imaging, crime scene investigation, field evidence technology, report writing, and physical training. This course is offered as a Pass/No Pass basis only. (CSU)

AOJ-250C**Advanced Officer Course****1.5 UNITS**

Prerequisite: Peace Officer status or paraprofessional in a related field, or AOJ students with 18 units in Administration of Justice coursework.

1.5 hours lecture

A basic introductory course designed for peace officers or paraprofessionals in a related field, who have completed their probationary period and are required to update their knowledge of current laws and procedures. Topics may include, but are not limited to: illegal substances, auto theft, gangs, telecommunications update, homeland security, blood spatter interpretation, forensic photography, CAD (computer aided design), leadership and ethics, digital imaging, crime scene investigation, field evidence technology, report writing, and physical training. This course is offered as a Pass/No Pass basis only. (CSU)

AOJ-250D**Advanced Officer Course****1.5 UNITS**

Prerequisite: Peace Officer status or paraprofessional in a related field, or AOJ students with 18 units in Administration of Justice coursework.

1.5 hours lecture

A basic introductory course designed for peace officers or paraprofessionals in a related field, who have completed their probationary period and are required to update their knowledge of current laws and procedures. Topics may include, but are not limited to: illegal substances, auto theft, gangs, telecommunications update, homeland security, blood spatter interpretation, forensic photography, CAD (computer aided design), leadership and ethics, digital imaging, crime scene investigation, field evidence technology, report writing, and physical training. This course is offered as a Pass/No Pass basis only. (CSU)

AOJ-251A**Advanced Officer Course****2.5 UNITS**

Prerequisite: Peace Officer status or paraprofessional in a related field, or AOJ students with 18 units in Administration of Justice coursework.

2.5 hours lecture

A basic introductory course designed for peace officers or paraprofessionals in a related field, who have completed their probationary period and are required to update their knowledge of current laws and procedures. Topics may include, but not be limited to: illegal substances, auto theft, gangs, telecommunications update, homeland security, blood spatter interpretation, forensic photography, CAD (computer aided design), leadership and ethics, digital imaging, crime scene investigation, field evidence technology, report writing, and physical training. This course is offered as a Pass/ No Pass basis only. (CSU)

AOJ-251B**Advanced Officer Course****2.5 UNITS**

Prerequisite: Peace Officer status or paraprofessional in a related field, or AOJ students with 18 units in Administration of Justice coursework.

2.5 hours lecture

A basic introductory course designed for peace officers or paraprofessionals in a related field, who have completed their probationary period and are required to update their knowledge of current laws and procedures. Topics may include, but not be limited to: illegal substances, auto theft, gangs, telecommunications update, homeland security, blood spatter interpretation, forensic photography, CAD (computer aided design), leadership and ethics, digital imaging, crime scene investigation, field evidence technology, report writing, and physical training. This course is offered as a Pass/No Pass basis only. (CSU)

AOJ-251C**Advanced Officer Course****2.5 UNITS**

Prerequisite: Peace Officer status or paraprofessional in a related field, or AOJ students with 18 units in Administration of Justice coursework.

2.5 hours lecture

A basic introductory course designed for peace officers or paraprofessionals in a related field, who have completed their probationary period and are required to update their knowledge of current laws and procedures. Topics may include, but not be limited to: illegal substances, auto theft, gangs, telecommunications update, homeland security, blood spatter interpretation, forensic photography, CAD (computer aided design), leadership and ethics, digital imaging, crime scene investigation, field evidence technology, report writing, and physical training. This course is offered as a Pass/No Pass basis only. (CSU)

AOJ-251D**Advanced Officer Course****2.5 UNITS**

Prerequisite: Peace Officer status or paraprofessional in a related field, or AOJ students with 18 units in Administration of Justice coursework.

2.5 hours lecture

A basic introductory course designed for peace officers or paraprofessionals in a related field, who have completed their probationary period and are required to update their knowledge of current laws and procedures. Topics may include, but are not limited to: illegal substances, auto theft, gangs, telecommunications update, homeland security, blood spatter interpretation, forensic photography, CAD (computer aided design), leadership and ethics, digital imaging, crime scene investigation, field evidence technology, report writing, and physical training. This course is offered as a Pass/No Pass basis only. (CSU)

AOJ-252**Advanced Forensic Photography****4 UNITS**

Prerequisite: "C" grade or higher in AOJ 150 or equivalent.

3.0 hours lecture, 3.0 hours laboratory

Students will learn advanced investigative photographic techniques using still photographs, video tape, and digital imaging for evidentiary presentations. The latter method will include computerized applications of forensic photography. These special techniques will be practiced and demonstrated by students for use in police training, public information, police investigation, evidence preparation, court demonstration, and police community relation applications. (CSU)

AOJ-254**Advanced Fingerprint Identification****3 UNITS**

Prerequisite: "C" grade or higher in AOJ 148 or equivalent.

2.0 hours lecture, 3.0 hours laboratory

This course covers analyses, comparison and evaluation of friction ridge skin with emphasis on individualization of finger and palm prints including learning the topography of palms and soles. This course would be of benefit to criminal investigators, and those who are interested in forensic identification. Students will learn methods and procedures for developing and preserving visible and latent crime scene impressions. Students will be expected to demonstrate proficiency in identification of finger and palm prints. (CSU)

AOJ-260**Information Security****3 UNITS**

3.0 hours lecture

This course focuses on procedures, policies, and equipment designed to protect private and government proprietary and intellectual information and investigate breaches of security. This course also examines the collection, analysis, and preservation of digital evidence from computer crime scenes. Emphasis is placed upon knowledge of investigative principles, applicable case law, physical and technical security, security management responsibilities, and countermeasures designed to protect and analyze information collection, storage, processing, and transmission. (CSU)

AOJ-264**Terrorism and Homeland Security****3 UNITS**

3.0 hours lecture

This course is an introduction to global and domestic terrorism, and the homeland security response of the United States government and local agencies. Also examined is how international and domestic terrorist groups affect the U.S. to include their history, ideological beliefs, motivation, funding, and methods of operation. The effort of the U.S. military, intelligence, and law enforcement to combat terrorism will be examined as well as how effective the response has been and what impact it's had on civil liberties and homeland security. (CSU)

AOJ-271**Action Planning for Ethical Leadership****1.5 UNITS**

1.5 hours lecture

This is a twenty-four hour course, designed for all sworn and civilian law enforcement personnel to provide a forum for them to explore and address self-identified contemporary leadership and ethical issues. The purpose of this course is to build on basic and advanced leadership, management and ethical courses to enhance personal and professional growth in ethics and leadership. This course will concentrate on learner-identified issues pertinent to each learner's experience and organization. The learners will work in small groups to create a prioritized list of leadership and ethical challenges and competencies facing their organizations and law enforcement in general. Learners will assess their leadership styles and competencies, and assist in determining the content for the course. The learners will research identified issues, and develop action plans to address those issues. Each learner and small group will be required to create action plans and present a portion of their plans to the larger learning group. This course is offered on a Pass/No Pass basis only. (CSU)

American Sign Language (ASL)

ASL-120

American Sign Language I

4 UNITS

4.0 hours lecture

Introduction to American Sign Language as it is used within the Deaf culture. Instruction in the basic structure of the language and development of its use. Skill development practice. Introduction to the history of Deaf culture and the language. Introduction to the Deaf perspective on the establishment of Deaf communities and ASL. (CSU/UC) (AA/AS-C, CSU-C2, IGETC-6A)

ASL-121

American Sign Language II

4 UNITS

Prerequisite: "C" grade or higher or "Pass" in ASL 120 or equivalent.

4.0 hours lecture

This course is a continuation of American Sign Language 120. Students will increase their knowledge of ASL, the Deaf community, and the deaf culture. Students will develop conversational skills by learning to use grammar functions that increase fluency. Complex narratives will be used to expand vocabulary and apply linguistic features of ASL. This course will provide an opportunity for students to improve and enhance their ability to communicate in American Sign Language. (CSU/UC) (AA/AS-C, CSU-C2, IGETC-3B,6A)

ASL-130

American Sign Language: Fingerspelling

3 UNITS

Prerequisite: "C" grade or higher or "Pass" in ASL 120 or equivalent ability to sign.

3.0 hours lecture

This course is taught using American Sign Language. The manual alphabet of fingerspelling and its use within native signers is introduced. The emphasis is placed on learning decoding strategies using a cognitive science approach. Upon completion of this course, students will demonstrate increased ability to accurately produce and comprehend fingerspelling and number systems when they appear in narratives. Extensive practice of cognitive approaches for both receptive and expressive use will be applied. This is the first course in a two sequence series. (CSU/UC)

ASL-131

American Sign Language: Fingerspelling II

3 UNITS

Prerequisite: "C" grade or higher or "Pass" in ASL 130 or equivalent or one year of high school ASL fingerspelling or equivalent.

3.0 hours lecture

This course is a continuation of American Sign Language 130 using fingerspelling skills at an intermediate to advanced level. Students will increase their ability to produce and comprehend fingerspelling and number systems at an intermediate level and beyond. Expressive skills will focus on "Rapid", "Careful", and "Lexicalized" types of fingerspelling, as well as, shortcuts at near-native fluency rates. Receptive skills will focus on comprehension of fingerspelling at near-native fluency rates. (CSU/UC)

ASL-140

Inside Deaf Culture

3 UNITS

3.0 hours lecture

This course will introduce students to the unique aspects of the Deaf culture. Students will examine political and social issues, past and present trends, historical perspectives, and distinguish the community from the culture. The unique structure of sign language and its linguistic components will also be studied. Students will be introduced to the dynamics of families when there are both hearing and Deaf family members and how hearing and Deaf cultures impact the family unit. The cultural values and behaviors unique to Deaf people will also be explored through their heritage, literature, and Deaf artists. (CSU/UC) (AA/AS-C, CSU-C2, IGETC-3B)

ASL-220

American Sign Language III

4 UNITS

Prerequisite: "C" grade or higher or "Pass" in ASL 121 or equivalent.

4.0 hours lecture

This course continues the study of American Sign Language. Students will continue their development of sign language vocabulary, grammar structures, and conversational skills. This course will provide an opportunity for students to greatly improve their ability to communicate in American Sign Language by studying the nuances and intricacies of the language. Students will continue to enhance their studies and awareness by focusing on the Deaf community as a culture and issues that arise between the hearing and Deaf cultures. (CSU/UC) (AA/AS-C, CSU-C2, IGETC-3B,6A)

ASL-221

American Sign Language IV

4 UNITS

Prerequisite: "C" grade or higher or "Pass" in ASL 220 or equivalent.

4.0 hours lecture

This course is taught using American Sign Language. This is an advanced course designed to increase vocabulary, examine the use of semantic and body classifiers, expand and develop conversational signing ability through the use of appropriate grammar structures and storytelling. Popular Deaf culture stories are learned through the development of storytelling techniques. The rich heritage of Deaf people is studied through biographies of those who are famous for their contribution. This course elevates the awareness of equity and inclusion of diverse Deaf people by using roleplays and folklore, literature, and humor specific to the Deaf culture. (CSU/UC) (AA/AS-C, CSU-C2, IGETC-3B,6A)

Anthropology (ANTH)

ANTH-120

Cultural Anthropology

3 UNITS

3.0 hours lecture

An introduction to the study of cultural aspects of humans. The course explores human diversity through comparative, cross-cultural study of subsistence practices, economics, language, social organization, political structure, religion, and social identity including gender, class and ethnicity. Theories and methods used by anthropologists to study culture are presented. (C-ID ANTH 120) (CSU/UC) (AA/AS-D, CSU-D, IGETC-4)

ANTH-122

Anthropology of Magic, Witchcraft, and Religion

3 UNITS

3.0 hours lecture

This course examines magic and religion from a cross-cultural perspective. Emphasis is placed on understanding supernatural beliefs, practices, and rituals in their social contexts including societies in Africa, Oceania, the Americas, Asia, and elsewhere. Anthropological theories of magic and religion are explored. (CSU/UC) (AA/AS-D, CSU-D, IGETC-4)

ANTH-127

Cultures of Latin America

3 UNITS

3.0 hours lecture

This course focuses on the ethnographic study of Latin American cultures. Students learn how various Latin American nation-states emerged and changed from the pre-Colombian period to today. Specific topics may include: colonialism, revolution, social movements, race, ethnicity, indigenous peoples, inequality, gender, health, religion, globalization, and popular culture. Throughout, we consider similarities and differences among the cultures of Latin America. (CSU/UC) (AA/AS-D, CSU-D, IGETC-4)

ANTH-130

Introduction to Biological Anthropology

3 UNITS

3.0 hours lecture

An introduction to biological anthropology, the study of human biology and behavior from an evolutionary perspective. Topics covered include evolutionary theory, principles of genetics, biology and behavior of nonhuman primates, the fossil evidence for human and primate evolution, and modern human biological and cultural diversity. (C-ID ANTH 110) (CSU/UC) (AA/AS-B1, CSU-B2, IGETC-5B)

ANTH-131

Biological Anthropology Laboratory

1 UNITS

Corequisite: "C" grade or higher or "Pass" or concurrent enrollment in ANTH 130 or equivalent.

3.0 hours laboratory

A laboratory experience designed to reinforce and expand ideas introduced in Anthropology 130. Students will use biological anthropological methods and tools to solve problems in the areas of genetics, human variation, human osteology, primate biology and behavior, and human evolution. (C-ID ANTH 115L) (CSU/UC) (AA/AS-B1, CSU-B3, IGETC-5C)

ANTH-140

Introduction to Archaeology

3 UNITS

3.0 hours lecture

An introduction to the field of archaeology, the study of past human societies through their material remains. The course will provide an introduction to field methods, categories of data and theoretical approaches in archaeology. Major developments in world prehistory will be examined using archaeological evidence. The relevance of archaeological research to contemporary society will also be addressed. (C-ID ANTH 150) (CSU/UC) (AA/AS-B1, CSU-D, IGETC-4)

ANTH-215

Statistics for the Behavioral Sciences

4 UNITS

Prerequisite: "C" grade or higher or "Pass" in MATH 103 or MATH 110 or equivalent or appropriate placement beyond intermediate algebra.

3.5 hours lecture, 1.5 hours laboratory

Methods and experience in defining and solving quantitative problems in the behavioral sciences. Emphasis is on the design of experiments and the application of a variety of parametric and nonparametric techniques to the analysis of data. (C-ID MATH 110, SOCI 125) (CSU/UC) (AA/AS-A3, CSU-B4, IGETC-2A)

Arabic (ARBC)

ARBC-120

Arabic I

5 UNITS

5.0 hours lecture

An introductory course to the Arabic language and the cultures of its speakers. This course is designed for students with very little or no knowledge of Arabic. It facilitates the practical application of the language in everyday oral and written communication at the beginning level. Since the focus will be on basic communication skills, the class will be conducted in Arabic as much as possible. Students will learn structures that will enable them to function in Arabic in everyday contexts while becoming familiar with the Arabic speaking world. (CSU/UC) (AA/AS-C, CSU-C2, IGETC-6A)

ARBC-121

Arabic II

5 UNITS

Prerequisite: "C" grade or higher or "Pass" in ARBC 120 or two years of high school Arabic or equivalent.

5.0 hours lecture

This second course will continue to develop oral skills based on practical everyday needs and written skills based on the formal communication on practical everyday needs. Students with three years of high school Arabic should enroll in Arabic 220. (CSU/UC) (AA/AS-C, CSU-C2, IGETC-3B,6A)

ARBC-122

Arabic for the Arabic Speaker I

5 UNITS

5.0 hours lecture

Fundamentals of spoken and written Arabic for the bilingual speaker. This course is designed to help Arabic-speaking students further improve their oral and written communication skills. Emphasis on writing, translation, reading comprehension, and vocabulary building at the intermediate level in a cultural and linguistic context. Exposure to the diversity within the cultures of the Arabic-speaking world. The students will also gain skills which will help them translate sentences accurately while preserving their integrity and their meaning. (CSU/UC) (AA/AS-C, CSU-C2, IGETC-6A)

ARBC-123

Arabic for the Arabic Speaker II

5 UNITS

Prerequisite: "C" grade or higher or "Pass" in ARBC 122 or equivalent.

5.0 hours lecture

This course is designed to help the bilingual Arabic-speaking students further improve their oral and written communication skills. In addition, it provides the bilingual speaker with the linguistic and learning skills required for successfully completing upper division courses in Arabic. This course will be beneficial to students interested in gaining proficiency in translation skills needed for employment as bilingual interpreters. (CSU/UC) (AA/AS-C, CSU-C2, IGETC-3B,6A)

ARBC-148

Language, Culture, and Literature of the Arab World

3 UNITS

3.0 hours lecture

Social, literacy and cultural study of the modern Arab societies. Introduction to the peoples and culture of the Arab world as reflected in language and literature. Discussion of linguistic variations as well as differences in cultural habits and practices. Literature, television and culture will form the basis of discussions on major themes. Reading will include novels, newspapers articles and short stories. The course will be taught in English. (CSU/UC) (AA/AS-C, CSU-C2, IGETC-3B)

ARBC-161

Basic Arabic for Healthcare Professionals

1 UNITS

1.0 hours lecture

A course leading to basic medical communication and interaction in Arabic. The course provides the healthcare professionals with elementary oral skills and exploration of Arabic culture to facilitate communication with Arabic-speaking patients. (CSU)

ARBC-196

Community Service Learning Experience

1 UNITS

Prerequisite: "C" grade or higher or "Pass" in ARBC 120 or equivalent.

Community Service-Learning Experience (CSLE) is a community outreach program, which promotes the national agenda of volunteer engagement. The purpose of this course is to provide the student an opportunity to practice and use the Arabic language in a community-based site and to explore different career options. This program also aims to immerse students in advocacy and civic engagement initiatives and expose them to social movements, change efforts and intergroup relations. (CSU)

ARBC-220

Arabic III

5 UNITS

Prerequisite: "C" grade or higher or "Pass" in ARBC 121 or three years of high school Arabic or equivalent.

5.0 hours lecture

This third course will emphasize a higher level application of the language in oral, listening, reading and writing in order to acquire proficiency in Arabic while further becoming familiar with the Arabic speaking world. Students with four years of high school Arabic should enroll in Arabic 221. (CSU/UC) (AA/AS-C, CSU-C2, IGETC-3B, 6A)

ARBC-221

Arabic IV

5 UNITS

Prerequisite: "C" grade or higher or "Pass" in ARBC 220 or four years of high school Arabic or equivalent.

5.0 hours lecture

This fourth course will continue to develop, at an increasingly complex level, the practical application of the Arabic language. The course will focus on the oral, reading, writing and listening skills as well as cultural awareness in order to obtain advanced proficiency in Arabic while further becoming familiar with the Arabic speaking world. (CSU/UC) (AA/AS-C, CSU-C2, IGETC-3B, 6A)

ARBC-250

Conversational Arabic I

3 UNITS

Prerequisite: "C" grade or higher or "Pass" in ARBC 121 or 122 or 123 or 220 or 221 or three years of high school Arabic or equivalent.

3.0 hours lecture

This course focuses on intermediate level conversation development with vocabulary building and improvement of speaking proficiency in the context of Arabic culture. Conversations in the Egyptian dialect are based on everyday situations and cultural events. (CSU/UC) (AA/AS-C, CSU-C2, IGETC-6A)

ARBC-251

Conversational Arabic II

3 UNITS

Prerequisite: "C" grade or higher or "Pass" in ARBC 250 or four years of high school Arabic or equivalent.

3.0 hours lecture

This course continues to focus and expand on intermediate level conversation development with more complex and varied vocabulary building and improvement of speaking proficiency in the context of Arabic-speaking culture. Conversations on Egyptian dialect are based on current and cultural events. (CSU/UC) (AA/AS-C, CSU-C2, IGETC-6A)

Art (ART)

ART-100

Art Appreciation

3 UNITS

3.0 hours lecture

This course provides a general introduction to art through the analysis of art theory, terminology, themes, design principles, media, and techniques. This course also introduces the visual arts across time and through diverse cultures with an emphasis on function, meaning, and style. This course includes topics such as: Defining Art: Functions; Visual Elements of Art; Principles of Design, Media and Techniques; Methodologies of Art History and Art Criticism; museum and gallery visits; and an overview of art history from a local and global perspective. (CSU/UC) (AA/AS-C, CSU-C1, IGETC-3A)

ART-104

Artists and Designers Today

3 UNITS

3.0 hours lecture

This course examines the wide variety of formats that contemporary artists work in today. It is an overview of current practice and enables students to gain insight into art, design, craft and new genre disciplines, including but not limited to painting, sculpture, graphic design, interior design, industrial design, furniture design, photography, fibers, ceramics, metalwork, installation, performance, street art and multimedia. Students will be introduced to ways in which visual culture is contextualized, theorized, and displayed through curatorial studies as well as social media. Students will be exposed to course content through lecture, visiting artists talks, readings, and visits to local galleries and museums. This course is designed for students beginning the study of art and/or related disciplines. (CSU)

ART-106

Introduction to Mural Painting and Design

3 UNITS

Recommended Preparation: "C" grade or higher or "Pass" in ART 120 or ART 124.

2.0 hours lecture, 4.0 hours laboratory

This course explores the cultural history of mural painting as well as the social and political issues related to the creation and public reception of mural paintings. Several aspects and methods used in the production of public art works will be covered. Issues examined will include proposal, design, budget, procuring materials, safety concerns, and installation. Students will implement artistic skills, techniques and concepts to design and produce works collaboratively and consider the importance of the community in the mural-making process. (CSU/UC)

ART-119

Color Theory

3 UNITS

2.0 hours lecture, 4.0 hours laboratory

A star of visual expression, color is both physical and psychological.

This course will explore the principles, theories, and applications of additive and subtractive color in two dimensions. Topics will include major historical and contemporary color systems, production of projects in applied color, and the elements of design as they apply to the optical perception of color. (C-ID ARTS 270) (CSU/UC)

ART-120

Two-Dimensional Design

3 UNITS

2.0 hours lecture, 4.0 hours laboratory

Introduction to two-dimensional arts through the study of historical, theoretical and cultural works of the human imagination. Examine form and content through the application of the art elements and the principles of organization to elicit unity in visual communication. Development of the fundamentals needed for creative expression in visual composition and design. (C-ID ARTS 100) (CSU/UC) (AA/AS-C, CSU-C1, IGETC-3A)

ART-121

Painting I

3 UNITS

Prerequisite: "C" grade or higher or "Pass" in ART 120 or ART 124 or equivalent.

2.0 hours lecture, 4.0 hours laboratory

Introduction to principles, elements, and practices of painting.

Emphasizes painting tools, materials, techniques and color theory as well as creative responses to subject matter. Students will develop skill in handling form, space, and plastic aspects of acrylic and/or oil paints as well as examine painting as a vehicle for social, political, and cultural expression. (C-ID ARTS 210) (CSU/UC)

ART-124

Drawing I

3 UNITS

2.0 hours lecture, 4.0 hours laboratory

Introduction to drawing through the study of historical, theoretical, and cultural works of the human imagination. Examine form and content through conceptual and stylistic developments of drawing as a vehicle for social and cultural expression. Focus on perceptually based drawing, observational skills, technical abilities, and creative responses to materials and subject matter. (C-ID ARTS 110) (CSU/UC)(AA/AS-C)

ART-125

Drawing II

3 UNITS

Prerequisite: "C" grade or higher or "Pass" in ART 124 or equivalent.

2.0 hours lecture, 4.0 hours laboratory

Drawing II stresses the media techniques and craftsmanship of both traditional and contemporary drawing. There will be a greater analysis and emphasis on the expressive possibilities of drawing as well as its aesthetic component. Exploration of conceptual and stylistic developments of drawing as a vehicle for social and cultural expression. (C-ID ARTS 205) (CSU/UC)

ART-126

Ceramics I

3 UNITS

2.0 hours lecture, 4.0 hours laboratory

Ceramics I is the examination of historical and contemporary ceramic art. Ceramic artwork from differing cultures, time periods, and artists will be analyzed and critiqued while investigating how societal and technological beliefs and developments have influenced the evolution of the ceramic arts. Fundamental, essential historic and intellectual approaches of ceramic art creation will be explored, as well as both functional and conceptual applications. Assignments and projects for this course require no prior knowledge of tools, equipment or ceramic materials. This is a comprehensive introductory ceramics course that will aid in gaining knowledge of historical and contemporary works of ceramic art and could lead to further study of ceramics or 3-D and 2-D based art courses and professions. (CSU/UC) (AA/AS-C, CSU-C1)

ART-127

Ceramics II

3 UNITS

Prerequisite: "C" grade or higher or "Pass" in ART 126 or equivalent.

2.0 hours lecture, 4.0 hours laboratory

A course for those who wish to understand the principles of ceramic material, technologies related to the field of ceramics, and design within a problem-solving environment. Specific aesthetic and technical criteria will be examined and individual development will be emphasized. Health and safety concerns are stressed. (CSU/UC)

ART-128**Ceramics III****3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in ART 127 or equivalent.

2.0 hours lecture, 4.0 hours laboratory

A course for those who wish to develop more advanced skills of clay technique and glaze formulation and increase their knowledge of ceramics as an art form. Historical and contemporary works will be emphasized. Health and safety concerns are stressed. (CSU/UC)

ART-129**Three-Dimensional Design****3 UNITS**

2.0 hours lecture, 4.0 hours laboratory

Three-Dimensional Design is an introduction to the fundamental principles of three-dimensional composition emphasizing the formal elements and language of design. Basic visual, tactile and conceptual methods of defining space are examined in a series of compositional exercises. A variety of materials are used to explore the Elements of line, shape, mass, texture and volume through the application of design Principles such as balance, emphasis, rhythm, harmony, contrast, repetition, proportion, scale and unity. The historical development of design and aesthetics is studied along with how social, political and cultural beliefs have influenced artists and design professionals. Assignments in this course are non-technical and do not require prior knowledge of tools and equipment. Three-dimensional design is a comprehensive introductory course that could lead to future study in a diverse range of art and design professions. (C-ID ARTS 101) (CSU/UC) (AA/AS-C)

ART-130**Sculpture I****3 UNITS**

2.0 hours lecture, 4.0 hours laboratory

An examination of the theories, methods and materials used in modern sculpture. The focus of this course will be on the conceptual and technological developments of sculpture in the twentieth century with an historical examination of sculpture as a vehicle for social, political and cultural expression. An emphasis is placed on skill development, the ability to control media, and the exploration of communication and personal expression through the aesthetic object. (CSU/UC)(CSU-C1, IGETC-3A)

ART-131**Jewelry Design I****3 UNITS**

2.0 hours lecture, 4.0 hours laboratory

A beginning course that introduces fundamentals of design and execution of jewelry forms. A variety of materials and processes will be used to explore jewelry as a vehicle of aesthetic expression. The historical development of Metal Casting, Metal Smithing, Precious Stones and Found Objects as body adornment will be introduced along with an examination of cultural influence on the small-scale metal and jewelry designer. (CSU)

ART-132**Jewelry Design II****3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in ART 131 or equivalent.

2.0 hours lecture, 4.0 hours laboratory

An intermediate course continuing the development of skills introduced in Jewelry Design I. This course will introduce the design and technical skills required for the execution of more complex jewelry forms. A variety of materials and processes will be explored through a series of design problems. Historical development of metal-smithing and advanced casting processes will be examined across diverse cultures and groups. (CSU)

ART-133**Metalsmithing & Casting****3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in ART 131 or equivalent.

2.0 hours lecture, 4.0 hours laboratory

An advanced course that introduces both the fundamentals of metalsmithing and casting processes. Through a lens of inclusion, the design and fabrication of holloware and metal objects as well as the historical development of metalsmithing will be introduced. Considering cultural diversity, different methods of casting will be explored including lost wax casting and casting organic materials. Mold making processes will also be introduced and students will be able to express their personal aesthetic through a series of individual projects. (CSU)

ART-136**Glaze Formulation****3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in ART 126 or equivalent.

2.0 hours lecture, 4.0 hours laboratory

A course for those who wish to develop skills in glaze formulation, calculation, and response to defects for cone 6 glazes. The course will also discuss issues of health and safety. The class will not include construction of any objects to be glazed other than test tiles. (CSU)

ART-140**Survey of Western Art I: Prehistory Through Middle Ages****3 UNITS**

3.0 hours lecture

This course provides an overview of western artworks and architecture from prehistory through the Middle Ages with an emphasis on content, context, and style. This course covers subject matter, function, iconography, patronage, artistic methods and influences, and social and cultural contexts of artworks and monuments. This course includes art from: the Paleolithic and Neolithic periods: Mesopotamia, Ancient Egypt, the Aegean, Ancient Greece, Etruscan, and Roman times; Early Christian, Byzantine, Islamic, and Early Medieval periods; Romanesque; and Gothic. (C-ID ARTH 110) (CSU/UC) (AA/AS-C, CSU-C1, IGETC-3A)

ART-141**Survey of Western Art II: Renaissance Through Modern****3 UNITS**

3.0 hours lecture

This course provides an overview of art and architecture, from the Renaissance to the modern era with an emphasis on content, context, and style. This course covers subject matter, function, iconography, patronage, artistic methods and influences, and social and cultural contexts of artworks and monuments. This course includes art from: the Italian Renaissance, Mannerism, Fifteenth- and Sixteenth-Century Flemish art, Baroque, Rococo, Neo-Classicism, Romanticism, Realism, Impressionism, Post-Impressionism, and art of the major movements of the twentieth century. (C-ID ARTH 120) (CSU/UC) (AA/AS-C, CSU-C1, IGETC-3A)

ART-142**Art of Africa, Oceania and the Americas****3 UNITS**

3.0 hours lecture

This course provides an overview of visual culture within select regions in Africa, Oceania, and the Americas with an emphasis on content, context, and style. This course covers subject matter, function, iconography, patronage, artistic methods and influences, and social and cultural contexts of artworks and monuments. This course includes art from: Africa, Oceania, Indigenous North America, Mesoamerica, and South America. (CSU/UC) (AA/AS-C, CSU-C1, IGETC-3A)

ART-143**Modern Art****3 UNITS**

3.0 hours lecture

This course provides an overview of art and architecture from the Western modern period of the nineteenth and the twentieth centuries with an emphasis on content, context, and style. This course covers subject matter, function, iconography, patronage, artistic methods and influences, and social and cultural contexts of artworks and monuments. This course includes art from: Impressionism, Post-Impressionism, Symbolism, Art Nouveau, Fauvism, Cubism, Non-Objectivity, Expressionism, Dada, Surrealism, Post WWII art forms in Europe and America through Pop Art and Conceptual Art. (CSU/UC) (AA/AS-C, CSU-C1, IGETC-3A)

ART-145**Contemporary Art****3 UNITS**

3.0 hours lecture

This course provides a survey of periods, artworks, and architecture in Contemporary Art with an emphasis on content, context, and style. This course covers subject matter, iconography, patronage, artistic methods and influences, and social and cultural contexts of artworks and monuments within local and global cultures. This course explores themes of: personal and group identity; gender and sexual identity; national identity; political and social commentary; public funding of controversial art; representation, abstraction, and site-specific art and architecture, Appropriation and New Media, and global and local art movements collectively called Contemporary Art. (CSU/UC) (AA/AS-C, CSU-C1, IGETC-3A)

ART-146**Asian Art****3 UNITS**

3.0 hours lecture

This course provides a select overview of art and architecture from Asia from prehistory to modern times with an emphasis on content, context, and style. This course covers subject matter, function, iconography, patronage, artistic methods and influences, and social and cultural contexts of artworks and monuments. This course includes art from: the Indus Valley, Early Buddhist and Hindu Art in Ancient India, later Indian art including Mughal, Neolithic through early Imperial China, Northern Wei through Tang dynasties, later China through contemporary era, Korea, archeological Japan through Heian, and later Japan through contemporary era. (C-ID ARTH 130) (CSU/UC) (AA/AS-C, CSU-C1, IGETC-3A)

ART-147**American Art****3 UNITS**

3.0 hours lecture

This course provides a survey of periods, artwork, and architecture of the United States with an emphasis on content, context, and style. This course covers subject matter, function, iconography, patronage, artistic methods and influences, and social and cultural contexts of artworks and monuments. This course includes art from the following topics: Colonial art before and after the American Revolution; painting, sculpture, and architecture as emblems for national identity and class; themes of race, freedom, and war in art; images of the working class and domestic culture; industrialization and its influence on modernism in art. (CSU/UC) (AA/AS-C, CSU-C1, IGETC-3A)

ART-171**Introduction to Digital Art****3 UNITS**

2.0 hours lecture, 4.0 hours laboratory

Introductory studio course into the fundamental theories, concepts and practices of digital art production. The course provides for an in-depth study and experimentation in various digital visualization theories, processes, and used in the visual arts. Topics include integration of traditional design, color, and compositional principles with contemporary digital tools and emerging technologies. Lectures, demonstrations, and practice with digital illustration and painting, digital photography and image manipulation, typography and page layout, digital animation and/or time-based media. (CSU/UC)(AA/AS-C)

ART-172**Web and Portfolio Design****3 UNITS**

2.0 hours lecture, 4.0 hours laboratory

Introductory course that focuses on the aesthetics of digital media and emerging technology elements and issues surrounding usability in interactive environments. Through the integration of historical studies, theory and practice, students will address issues central to interactivity in art making and interactive responsive design. Students will engage in projects that incorporate a variety of digital media and emerging technology strategies, including lens-based, time-based, on-screen, sound and physical computing and interactive environments within the contexts of art, business and marketing, design, and interactivity for the web. Students are introduced to authoring techniques and technologies as they learn how to create and develop a portfolio of projects in which interactivity and web design are the focus. (CSU/UC)

ART-175**Digital Imaging and Art****3 UNITS**

2.0 hours lecture, 4.0 hours laboratory

In introduction to the principles of digital imaging for artists, using computers as a primary image manipulation tool. Course content will include fundamentals of the computer imaging environment, digital scanning, image enhancement through current raster-based software applications and optimized printing strategies for both photographs, graphics and drawings. Image restoration, experimental manipulations, merging of visual files and digital sequential presentations will provide students with an elementary understanding of the scope and range the computer provides for today's digital imaging artists. (CSU)

ART-177**Digital Drawing and Painting****3 UNITS**

2.0 hours lecture, 4.0 hours laboratory

This introductory course will survey traditional drawing and painting strategies using the simulated tools and textures of current computer technologies such as painting software, drawing tablets, scanners and still video for input and the final image output will utilize color printers for optimum results. These digital technologies will allow for immediate investigation of the fundamental pictorial elements of line, shape, space, color, and texture, as well as the formal relationship of these elements to image composition, harmony, contrast and balance. Various image formats and presentation modes will be explored including description, narrative, illustration, collage, and image sequencing. (CSU/UC)

ART-184**Introduction to Animation 3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in ART 120 or ART 124 or equivalent.

2.0 hours lecture, 4.0 hours laboratory

Drawing and visual design are required skills to be successful in the field of animation. The principles of motion, story telling and conceptual development, as well as the application of these disciplines to current technology, will develop for the student an understanding of animation.

By examining these essential steps and skills involved for visual artists, this course will emphasize such classical drawing topics as perspective, composition and color theory as well as develop life-drawing skills through the study of proportion, line of action, structure and basic anatomy. The rudiments of animation such as layout and character design are introduced, as are clean-up, inbetweening and assisting. Students will develop an understanding of animation through the exploration of timing and movement via digital vector graphics, digital ink and paint software and digital editing software to complete an animated sequence. (CSU)

ART-210**Introduction to Printmaking 3 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in ART 120 or ART 124 or equivalent.

2.0 hours lecture, 4.0 hours laboratory

This course is an introduction to the basic materials, equipment, and processes of printmaking, including relief (linocut and woodcut), intaglio (drypoint and collagraph), planography (monotype), and stencil (screen print). Topics will include major historical and contemporary cultural movements in printmaking, color and design applications, as well as creative responses to materials and subject matter. (CSU/UC)

ART-211**Intermediate Printmaking 3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in ART 210 - Introduction to Printmaking.

2.0 hours lecture, 4.0 hours laboratory

This intermediate printmaking course explores color printing and approaches at a deeper level. It includes the integration of digital imagery and technologies to generate and alter images in preparation for traditional, physical, and hybrid printing processes. Topics will include current cultural movements in printmaking, complex color and design applications, as well as individualized approaches to materials and subject matter. (CSU/UC)

ART-220**Painting II 3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in ART 121 or equivalent.

2.0 hours lecture, 4.0 hours laboratory

Continuation of Painting I with emphasis on stylistic analysis and development of personal expression. (CSU/UC)

ART-221**Painting III 3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in ART 220 or equivalent.

2.0 hours lecture, 4.0 hours laboratory

This advanced painting course offers a wider selection of painting mediums to include acrylic, oil, and encaustic. Topics will include major historical and contemporary cultural movements in painting, as well as creative responses to materials and subject matter. Students will continue developing a personal style of expression. (CSU/UC)

ART-222**Painting IV 3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in ART 221 or equivalent.

2.0 hours lecture, 4.0 hours laboratory

This advanced painting course focuses on a series of paintings that develop a personal theme or statement. Advanced painting techniques will be combined with complex compositional devices. Students will create an extensive art portfolio. (CSU/UC)

ART-226**Ceramics IV 3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in ART 128 or equivalent.

2.0 hours lecture, 4.0 hours laboratory

A course for those who wish to develop a specific body of ceramic works with an emphasis on the aesthetic development of a personal style. The fundamentals of exhibiting and professionalism will be discussed as well as portfolio development. (CSU/UC)

ART-227**Ceramics Exhibition and Portfolio 3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in ART 226 or equivalent.

2.0 hours lecture, 4.0 hours laboratory

A course for those who wish to focus on creating a cohesive and individual body of handbuilt or thrown ceramic works with the goal of presenting it as an exhibition or portfolio for advanced education or exhibition purposes. This would include photographing of the work for archival purposes and creating an artist statement and resume. (CSU)

ART-229**Sculpture II 3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in ART 130 or equivalent.

2.0 hours lecture, 4.0 hours laboratory

An expansion of the concepts covered in Art 130. This course is for those who wish to develop a more advanced conceptual and technological knowledge of contemporary sculpture. The history, theories and techniques used in contemporary sculpture will be emphasized. An examination of personal direction and communication skills through mixed media will be explored. (CSU/UC)

ART-230**Figure Drawing I 3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in ART 124 or equivalent.

2.0 hours lecture, 4.0 hours laboratory

Introduction to the theory, practice, and history of drawing the human figure from life. Study surface anatomy related to the skeletal and muscular systems of the human form. Examine issues pertaining to larger cultural views of the body and seek to create individual meaning in the act of drawing the figure. (C-ID ARTS 200) (CSU/UC)

ART-231**Figure Drawing II 3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in ART 230 or equivalent.

2.0 hours lecture, 4.0 hours laboratory

Builds on concepts and skills developed in Art 230. Study surface anatomy related to the skeletal and muscular systems of the human form. Emphasize stylistic analysis and interpretation as well as development of individual expression working from the nude model. Examine issues pertaining to larger cultural views of the body in art. Explore working on a larger scale and using an assortment of dry and wet media in contemporary styles. (CSU/UC)

ART-240**Portraiture and Character Design****3 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in ART 124 or equivalent.

2.0 hours lecture, 4.0 hours laboratory

The investigation of the human face and body through portraiture and character design is the basis for drawings of both representational and expressive styles, using both analog and digital media. The student will study the human face by means of fundamental shapes, axes, and formal devices as guides for correct proportions and structured compositions. The student will learn the names of the various bones that make up the skull and the musculature of the human head. The students study facial expressions and caricature. Students will design their own characters based on unique scenarios and environments. The history of portraiture and character design will be examined as well as its aesthetic and cultural implications as a genre in society. The course examines how portraiture and character design may express ideas about power, status, stages of life, gender, and identity and considers the many functions of portraiture as work of art, design, biography, document, commemoration and memorial. (CSU/UC)

ART-280**Sculpture III: The Structure of Sculpture****3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in ART 229 or equivalent.

2.0 hours lecture, 4.0 hours laboratory

This course concentrates on the role of structure in sculpture of all media. Basic principles of balance and structural stability; fabrication of shapes and elements; and the design of frameworks, membranes, plates, shells and connection elements will be examined. Students will demonstrate their understanding of the course curriculum by producing individual sculptures. The course offers students the opportunity to learn how medium to large scale sculpture is conceived, planned, constructed and installed. (CSU/UC)

ART-281**Studio Workshop in Public Sculpture****3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in ART 229 or equivalent.

2.0 hours lecture, 4.0 hours laboratory

This course is designed for students that have an interest in public art theory as applied to planning and applying for commissions in a public context. The course will examine issues of planning and public art design, as well as examining public art theory through case studies and planning models. Issues examined will include funding models, issues of community context, collaboration with public and private agencies, contracts, liability issues, and strategies for planning and implementation. Students will design a public art proposal, a detailed budget, and prepare a presentation within a lab context. In most cases, students and the department will attempt to secure an actual commission in conjunction with the course. (CSU)

ART-282**Public Art Fabrication and Installation****3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in ART 229 or equivalent.

2.0 hours lecture, 4.0 hours laboratory

This course is designed for students that have an interest in fabricating sculpture for a public context and/or Public Art through a commissioning process. The course will cover several aspects and methods used in the physical production of commissioned works. Issues examined will include sub-contractor negotiation, design and budget issues with the procurement of materials, fabrication techniques, and installation methodology. Students will implement skills, techniques and concepts learned in sculpture courses to design and produce sculpture for a public context. In most cases, the department will attempt to secure an actual commission during the course. (CSU)

ART-283A**Foundry I****3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in ART 130 or equivalent.

2.0 hours lecture, 4.0 hours laboratory

An examination of introductory foundry practices for sculpture, including an investigation into the global history of metal casting. An emphasis is placed on skill development, the ability to control media, and the exploration of metal casting as a geographically and culturally diverse artistic practice. Students will learn introductory sand casting, wax working, and ceramic shell mold-making processes to create their own cast metal sculptures that will reference styles, motifs, themes, and symbols of diverse cultures and perspectives. The course will offer students insight into the history and operation of sculpture foundry equipment and casting production tools. (CSU) A required fee of \$35 will be charged for materials.

ART-283B**Foundry II****3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in ART 283A or equivalent.

2.0 hours lecture, 4.0 hours laboratory

An examination of intermediate foundry practices for sculpture includes a more focused look into specific globally significant techniques. Students will continue to advance their skills in sand casting, wax working, and ceramic shell mold-making processes used in lost wax casting to create their own cast metal sculptures. Metal finishing techniques and patinas will be introduced. The course continues to grow the student's knowledge of metal casting as a geographically and culturally diverse artistic practice. Students will be asked to research and develop designs to create work that explores communication through personal and cultural expression. The course will expand students' knowledge of the operation of sculpture foundry equipment and casting production tools. (CSU) A required fee of \$35 will be charged for materials.

ART-283C**Foundry III****3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in ART 283B or equivalent.

2.0 hours lecture, 4.0 hours laboratory

An examination of advanced foundry practices and techniques for sculpture. Students will continue to advance their skills in all processes involved in lost wax casting to design and create cast metal sculptures in a series. Students will be asked to research and develop their designs to create a body of work devoted to personal, social, political, or cultural expression. The course will continue to grow the student's knowledge of the operation of the sculpture foundry equipment and casting production tools, with the introduction of metal fabrication, and welding. (CSU) A required fee of \$35 will be charged for materials.

Astronomy (ASTR)

ASTR-105

Practice in Observational Astronomy **1 UNITS**

0.5 hours lecture, 1.5 hours laboratory

A lecture/field course designed to enhance the student's appreciation of the night sky. Topics include optics and telescopes, constellation study, and interpretation of astronomical phenomena observable with the unaided eyes, binoculars, and telescopes. Evening field trips will be scheduled. (CSU)

ASTR-110

Descriptive Astronomy **3 UNITS**

3.0 hours lecture

This course enables students to view the historical development of astronomy, to be aware of the tools of astronomy, and to critically analyze collected data to achieve an appreciation of the nature of the universe.

This study begins with the ancient concept of the heavens, through medieval investigations of natural laws, and leads to present concepts in planetary systems, stellar evolution, cosmology and exobiology. (CSU/UC) (AA/AS-B2, CSU-B1, IGETC-5A)

ASTR-112

General Astronomy Laboratory **1 UNITS**

Prerequisite: "C" grade or higher or "Pass" or concurrent enrollment in ASTR 110 or equivalent.

3.0 hours laboratory

Designed to accompany and augment Astronomy 110 or Astronomy 120. Topics can include constellations and astronomical coordinates, astronomical instruments, the solar system, stars and stellar systems, and the Universe. These will be addressed using naked eye and telescope observations, laboratory experiments, computer simulations and calculations. (CSU/UC) (AA/AS-B2, CSU-B3, IGETC-5C)

ASTR-120

Exploration of the Solar System **3 UNITS**

3.0 hours lecture

This course investigates the origin of our Solar System and how its contents change with time. The course surveys and analyzes the physical properties of solar system contents, including the Sun, planets, moons, rings, comets and asteroids. Methods of space exploration will be discussed as related to past, current, and future efforts. Topics include: origins of the chemical elements in our solar system, formation and evolution of the solar system; comparative planetology (geology and atmosphere), gravitational and thermal effects on solar system objects, space exploration, and recent developments in the search for extrasolar planets. (CSU/UC) (AA/AS-B2, CSU-B1, IGETC-5A)

Biological Sciences (BIO)

BIO-099

Preparation for Allied Health Classes 0 UNITS

1.0 hours lecture

The class is meant for students entering Allied Health classes (BIO 140, 141, 141L, 144, 145, and/or BIO 152) who desire to improve their study techniques for rigorous Allied Health Classes and to review key concepts from biology prerequisites. (BIO 120 and/or high school biology). The class will cover techniques for success in Allied Health exams, time management for rigorous 4-5 unit biology courses, reading skills for biology books, review of BIO 120/previous biology class material, usage of the microscope, and medical terminology as applied to biology classes. This course is offered on a pass/no pass basis only.

BIO-105

Marine Biology 4 UNITS

Recommended Preparation: "Pass" grade in MATH 090 and a "C" grade or higher or "Pass" in ENGL 120 or equivalent.

3.0 hours lecture, 3.0 hours laboratory

An introductory college-level course using marine plants and animals and their interrelations with their aquatic environment to develop an understanding of modern biological principles and processes basic to all forms of life. Information dealing with several aspects of taxonomy, evolution, ecology, behavior and physiology of marine organisms is included. (CSU/UC) (AA/AS-B1, CSU-B2,B3, IGETC-5B,5C)

BIO-110

Environmental Biology 4 UNITS

Recommended Preparation: A "Pass" grade in Math 090 and a "C" grade or higher or Pass in English 120 or equivalent.

3.0 hours lecture, 3.0 hours laboratory

A basic college-level ecology course designed to acquaint the student with living systems and their environment. Local plants and animals and their habitats will be used to investigate fundamental ecological principles. Almost half of the laboratory periods will be devoted to field studies. Due to the time involved, some of these field studies will take place on Saturdays or Sundays. Field trips to local museums and habitats included. (CSU/UC) (AA/AS-B1, CSU-B2,B3, IGETC-5B,5C)

BIO-112

Contemporary Issues in Environmental Resources 3 UNITS

3.0 hours lecture

Through the study of basic ecological concepts, students apply their knowledge to contemporary problems dealing with renewable and nonrenewable resources. Environmental resource problems, such as climate change, water shortage and pollution, energy shortages, air pollution, increasing human populations and wildlife conservation are integrated with political, economic and social implications. The student will consider alternate life styles as possible solutions to existing environmental problems, as well as other means of solving or dealing with these situations. (CSU/UC) (AA/AS-B1,CSU-B2, IGETC-5B)

BIO-113

Introduction to the Biotechnology Lab 2 UNITS

2.0 hours lecture, 1.0 hours laboratory

This course examines biology laboratory technology as it relates to the field of biotechnology. The class addresses skills and techniques common to the biotechnology industry including measuring activity and quantity of proteins, growth and manipulation of bacteria, genetic engineering, polymerase chain reaction and antibody methods. In addition to hands-on skills, the course will provide context for how and why these techniques are used in the industry. The course also includes activities in team-building and proper lab behaviors. This course enhances the laboratory skills of students wishing to be employed by the biotechnology industry. (CSU)

BIO-114

Heredity, Evolution and Society 3 UNITS

3.0 hours lecture

This course presents the basic principles of heredity and evolution. Following an introduction to scientific methods and characteristics of living systems, the student learns about the process of evolution and the mechanisms of heredity. These genetic studies will equip the student to better understand a number of current issues concerning medical genetics, genetic counseling, biotechnology, the cancer problem and human diversity. (CSU/UC) (AA/AS-B1, CSU-B2, IGETC-5B)

BIO-118

Introduction to Human Biology 3 UNITS

3.0 hours lecture

An introduction to biological principles with a human perspective. Such basic areas as the chemistry of biological systems, cell structure and function, the structure, function, and adaptation of organisms, and cellular genetics will be covered by utilizing the human species to develop an understanding of these processes. Related topics such as Mendelian and population genetics, human evolution, ecosystem structure and environmental problems related to human populations will be introduced. (CSU/UC) (AA/AS-B1,CSU-B2, IGETC-5B)

BIO-120

Principles of Biology 4 UNITS

Recommended Preparation: "Pass" grade in MATH 090 or equivalent and a "C" grade or higher or "Pass" in ENGL 120 or equivalent.

3.0 hours lecture, 3.0 hours laboratory

This course uses Evolutionary Theory to discuss and explain the major principles in Biology. These areas include natural selection, general and biochemistry, cell biology, homeostasis & metabolism, classical and molecular genetics, systematics, animal and plant structure and function, and ecology. The laboratory component extends and complements that lecture with hands-on experiences that include experimental design, light microscopy, cellular biology, enzymes, data analysis and interpretation, organismal biology, genetics, systematics, and ecology. (CSU/UC) (AA/AS-B1,CSU-B2,B3, IGETC-5B,5C)

BIO-132

Mammals of the Sea 2 UNITS

Recommended Preparation: A "Pass" grade in Math 090 and a "C" grade or higher or "Pass" in English 120 or equivalent.

2.0 hours lecture

A course covering evolution and adaptation, taxonomy, behavior, zoogeography, and physiology of whales, pinnipeds, and other marine mammals. Historical and modern interactions of marine mammals with humans are also examined. (CSU/UC)

BIO-140**Human Anatomy****4 UNITS**

Prerequisite: "C" grade or higher or "Pass" in BIO 120 or equivalent. Only Nursing majors may fulfill the BIO 120 prerequisite with one year of high school biology with a lab. All BIO 120 courses, course equivalents and high school biology with lab must be completed within the last 7 years of enrollment in BIO 140.

Recommended Preparation: "C" grade or higher or "Pass" in English 120
2.0 hours lecture, 6.0 hours laboratory

A study of the structure of the systems of the human body with emphasis divided between gross anatomy and the cellular detail (histology) of tissues and their evolutionary developments and relationships with other organisms. Cats or other suitable and available specimens are used as dissection specimens in the laboratory along with selected human organs and tissue slides, including cadaver and computer demonstrations. The course meets the anatomy requirement for baccalaureate degrees in nursing, a variety of paramedical fields, including physical and occupational therapy, and exercise science majors. (C-ID BIOL 110B) (CSU/UC) (AA/AS-B1, CSU-B2,B3, IGETC-5B,5C)

BIO-141**Human Physiology****3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in BIO 120 or equivalent. Only Nursing majors may fulfill the BIO 120 prerequisite with one year of high school biology with a lab.

Recommended Preparation: "C" grade or higher or "Pass" in Biology 140 and Math 090 and English 120 or equivalents.

3.0 hours lecture

A study of the function and interrelationships of the nervous, endocrine, muscular, circulatory, respiratory, digestive, exocrine and reproductive systems of the humans body. The course emphasizes the homeostatic and evolutionary nature of these systems with some reference to human disease state. (C-ID BIOL 120B with BIO 141L) (CSU/UC) (AA/AS-B1, CSU-B2, IGETC-5B)

BIO-141L**Laboratory in Human Physiology****1 UNITS**

Prerequisite: "C" grade or higher or "Pass" in BIO 141 or equivalent or concurrent enrollment in BIO 141 or equivalent.

3.0 hours laboratory

A laboratory experience utilizing a lecture and laboratory instruction format, designed to reinforce and expand the student's understanding of basic physiological principles studied in Biology 141. Emphasis is on lab-based investigations of human physiological processes. (C-ID BIOL 120B with BIO 141) (CSU/UC) (AA/AS-B1, CSU-B3, IGETC-5C)

BIO-144**Anatomy and Physiology I****4 UNITS**

Prerequisite: "C" grade or higher or "Pass" in BIO 120 or equivalent. Only Nursing majors may fulfill the BIO 120 prerequisite with one year of high school biology with a lab.

3.0 hours lecture, 3.0 hours laboratory

The study of physiological chemistry, cell physiology, tissues and the structure and functions of following human systems: bone, muscle, endocrine and nervous systems. The gross anatomy, micro-anatomy as well as functions and interrelationships of these systems are studied. The course emphasizes the homeostatic nature of these systems with some reference to human disease states. Cat or other suitable, available specimens are used as dissected specimens in lab along with selected human organs, tissue slides, cadaver and computer demonstrations. This course, along with Biology 145, meets the anatomy and physiology requirements for associate degrees and baccalaureate degrees in nursing as well as degrees in a variety of related paramedical fields. (CSU/UC) (AA/AS-B1, CSU-B2,B3, IGETC-5B,5C)

BIO-145**Anatomy and Physiology II****4 UNITS**

Prerequisite: "C" grade or higher or "Pass" in BIO 144 or equivalent.

3.0 hours lecture, 3.0 hours laboratory

This course is a continuation of Biology 144, Anatomy and Physiology I. It is a study of structures and functions of the following systems: circulatory, respiratory, digestive, excretory, immune, lymphatic, and reproductive systems. The gross anatomy, micro-anatomy as well as functions and interrelationships of these systems are studied. The course emphasizes the homeostatic nature of these systems with reference to human disease states. Cat or other suitable, available specimens are used as dissected specimens in lab along with selected human organs and tissue slides and computer demonstrations. This course, along with Biology 144, meets the anatomy and physiology requirements for associate degree, and baccalaureate degrees in nursing as well as degrees in a variety of other related paramedical fields. (CSU/UC) (AA/AS-B1, CSU-B2,B3, IGETC-5B,5C)

BIO-150**Field Study of the Natural History of the Greater San Diego Region****3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in BIO 110 or 120; or GEOG 120 or 121 or 140; or GEOL 110 or 111; or OCEA 112 or equivalent.

2.0 hours lecture, 3.0 hours laboratory

An exciting, team-taught, interdisciplinary, field-based study of the natural environment of the San Diego region, including related parts of Imperial, Riverside, and Orange Counties. Vans are utilized to visit sites that best illustrate (1) the region's physical environment (including tectonics, geologic history, geomorphology, hydrology, meteorology, climatology, and soils), (2) the evolutionary response to environmental variation (focusing on coastal sage scrub, chaparral, and desert ecosystems), and (3) the interaction of humans with the natural environment. Emphasis on field measurement includes use of GPS, compass, clinometer, maps, the current Jepson plant taxonomy, etc. Four weekends in spring semester only. Overnight campouts required. Students with credit in Biology 150 will not be able to enroll in Geography 150, Geology 150 or Oceanography 150. (CSU/UC)

BIO-152**Paramedical Microbiology****5 UNITS**

Prerequisite: "C" grade or higher or "Pass" in BIO 120 or equivalent. Only Nursing majors may fulfill the BIO 120 prerequisite with one year of high school biology with a lab.

Recommended Preparation: "C" grade or higher or "Pass" in CHEM 115 or equivalent.

3.0 hours lecture, 6.0 hours laboratory

An introduction to the major groups of micro-organisms and the diseases they cause. Emphasis in the lecture and laboratory is on concepts and techniques relevant to students entering paramedical professions: identifying and handling bacteria, basic principles of immunology, medical microbiology and epidemiology. Principles of microbial physiology, genetics, growth and control are also discussed. Biology 152 will also satisfy the introductory microbiology requirement needed by students who major in nursing and other paramedical fields, leading to a B.S. or B.A. degree. (CSU/UC) (AA/AS-B1, CSU-B2,B3, IGETC-5B,5C)

BIO-215**Statistics for Life Sciences****3 UNITS**

Prerequisite: "C" grade or higher or Pass in Mathematics 110 or equivalent and Biology 120 or 230 or 240 or equivalent.

2.0 hours lecture, 3.0 hours laboratory

Methods and experience in defining and solving quantitative problems in the life sciences. Emphasis is on the design of experiments and the application of a variety of parametric and nonparametric statistical techniques to the analysis of data. (CSU/UC) (AA/AS-A3, CSU-B4, IGETC-2A)

BIO-230**Principles of Cellular, Molecular and Evolutionary Biology****4 UNITS**

Prerequisite: "C" grade or higher or "Pass" in CHEM 141 or equivalent.

Recommended Preparation: "C" grade or higher or "Pass" in Biology 120 and English 120 or equivalents.

3.0 hours lecture, 3.0 hours laboratory

This course surveys the general principles of biology at an advanced level. Emphasis is placed on the following topics: prokaryotic and eukaryotic, cellular processes including energy metabolism, membrane transport and cell cycle/cell division and molecular genetics along with recombinant DNA; Mendelian and Non-Mendelian genetics; communication between cells; and the current models for cellular evolution. The course also includes laboratory exercises emphasizing the topics listed and the application of those topics to biotechnology. This course along with Biology 240 is the recommended Biology sequence for life science majors. It is suggested that students contact the anticipated transfer institution to ascertain specific transfer requirements for their major. (C-ID BIOL 190) (CSU/UC) (AA/AS-B1, CSU-B2,B3, IGETC-5B,5C)

BIO-240**Principles of Ecology, Evolution and Organismal Biology****5 UNITS**

Prerequisite: "C" grade or higher or "Pass" in MATH 110 or equivalent.

Recommended Preparation: "C" grade or higher or "Pass" in BIO 120 and ENGL 120 or equivalent.

4.0 hours lecture, 3.0 hours laboratory

This course along with Biology 230 is the recommended biology sequence for life science majors. It surveys the general principles of biology at an advanced level. Emphasis is placed on the following topics: the history of life on Earth and modern biodiversity; structures for reproduction, nutrition, respiration, transport, regulation of the internal environment, and response to the environment, the diversity of structures that perform these processes, how these structures allow adaptation to different environments and trophic roles; fundamental ecological principles, including population growth and regulation, nutrient cycling, succession and interspecific interactions; human impacts on the environment; and the theory of evolution, including population genetics, the mechanisms of evolution, and the evolutionary basis of species classification. The course includes a laboratory component emphasizing the systematics and diversity of prokaryotes and eukaryotes, including fungi, plants and animals, as well as activities investigating ecological and evolutionary processes using the scientific method. It is suggested that students contact the anticipated transfer institution to ascertain specific transfer requirements for their major. (C-ID BIOL 140)(CSU/UC) (AA/AS-B1, CSU-B2,B3, IGETC-5B,5C)

BIO-251**Human Dissection****1 UNITS**

Prerequisite: "C" grade or higher or "Pass" in Biology 140 or equivalent and recommendation from the students' Biology 140, Human Anatomy, instructor.

3.0 hours laboratory

This course provides the supervised study of human anatomy through dissection of a human cadaver. It is a course intended to enhance knowledge gained from a college-level Human Anatomy course by observing and relating those organ systems learned to an actual human cadaver. Students will begin by identifying surface landmarks and relate them to successively deeper structures. Students will develop and refine dissecting skills use on human cadavers. Instruction of human anatomy at this level is intended to assist students pursuing careers in nursing and other allied health professions. This class has limited enrollment. Preregistration counseling with instructor is required. (CSU/UC)

Business (BUS)

BUS-109

Elementary Accounting 3 UNITS

3.0 hours lecture

A one-semester introduction to elementary accounting principles. Presentation includes journals, ledgers, work sheets and financial statement for the single proprietorship. The course is designed for the clerical employee. (May not be substituted for Business 120 where required. Not open to students with credit in Business 120.) (CSU)

BUS-110

Introduction to Business 3 UNITS

3.0 hours lecture

A survey in business providing a multidisciplinary examination of how culture, society, economic systems, legal, international, political, financial institutions, and human behavior interact to affect a business organization's policy and practices within the U.S. and a global society. Demonstrates how these influences impact the primary areas of business including: organizational structure and design; leadership, human resource management, organized labor practices; marketing; organizational communication; technology; entrepreneurship; legal, accounting, financial practices; the stock and securities market; and therefore affect a business' ability to achieve its organizational goals. (C-ID BUS 110) (CSU/UC)

BUS-115

Human Relations in Business 3 UNITS

3.0 hours lecture

Examines the human aspects of the organization with an emphasis on the role of the individual in the formal and informal structure of the organization. Learning styles, motivation theories, personality theories, communication, group dynamics, leadership, ethics and diversity within the organization will be covered. (CSU)

BUS-118

Retail Management 3 UNITS

3.0 hours lecture

A survey course in the management of retail businesses, including store operating practices, layout, inventory, buying, retail mathematics and supervision of personnel. (CSU)

BUS-120

Financial Accounting 4 UNITS

4.0 hours lecture

This course introduces the student to the accounting function and how it is used within our economic society. It views accounting as an information-generating system that communicates financial data to support end users in their economic decision-making. This course covers the accounting information system and the recording and reporting of business transactions with a focus on the accounting cycle, the application of generally accepted accounting principles, the classified financial statements, and statement analysis. It also covers issues related to asset, liability, and equity valuation, revenue and expense recognition, cash flow, internal controls and ethics. This course is designed for students with an understanding of computer applications in word processing and spreadsheets, basic math skills and the ability to write in a businesslike manner. (C-ID ACCT 110) (CSU/UC)

BUS-121

Managerial Accounting 4 UNITS

Prerequisite: "C" grade or higher or "Pass" in BUS 120 or equivalent.

4.0 hours lecture

This course introduces the student to the concepts, methods, and procedures for the development and use of accounting information to support and assist management in their internal cost accounting processes and financial decision-making. The following areas are examined: cost terms and concepts, cost behavior, cost structure, product costing in a manufacturing environment (including activity based costing), cost-volume-profit analysis, budgeting, standard costing, differential analysis, capital budgeting, variable and absorption costing, and responsibility accounting. (C-ID ACCT 120) (CSU/UC)

BUS-123A

Accounting Internship 2 UNITS

A work experience course to enable accounting students to gain practical experience in a finance or accounting organization and to apply knowledge gained in other business courses. (CSU) 10 hours work experience per week, 120 volunteer hours or 150 paid hours.

BUS-123B

Accounting Internship 2 UNITS

A work experience course to enable accounting students to gain practical experience in a finance or accounting organization and to apply knowledge gained in other business courses. (CSU) 10 hours work experience per week, 120 volunteer hours or 150 paid hours.

BUS-123C

Accounting Internship 2 UNITS

A work experience course to enable accounting students to gain practical experience in a finance or accounting organization and to apply knowledge gained in other business courses. (CSU) 10 hours work experience per week, 120 volunteer hours or 150 paid hours.

BUS-123D

Accounting Internship 2 UNITS

A work experience course to enable accounting students to gain practical experience in a finance or accounting organization and to apply knowledge gained in other business courses. (CSU) 10 hours work experience per week, 120 volunteer hours or 150 paid hours.

BUS-125

Business Law: Legal Environment of Business 3 UNITS

3.0 hours lecture

Legal environment of business, sources of law, constitutional bases of regulation, critical legal thinking, social and ethical influences, corporate responsibility, judicial and administrative systems, contracts, torts, agency, business organizations, bankruptcy, securities regulation, regulation of property and protection of intellectual property interests, consumer protection, antitrust law, Internet and e-commerce. (C-ID BUS 120, 125) (CSU/UC)

BUS-128**Business Communication 3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in ENG 120 OR ESL 122 or equivalent.

3.0 hours lecture

This course applies the principles of effective communication to the creation of effective letters, memos, emails, and written and oral reports for a variety of business situations. The course emphasizes planning, organizing, composing, and revising business documents using word processing software for written documents and presentation-graphics software to create and deliver professional-level oral reports. Since this course is designed for students who already have college-level writing skills, very little time will be devoted to the basics of writing or grammar. (C-ID BUS 115) (CSU)

BUS-131**Introduction to Transportation 3 UNITS**

3.0 hours lecture

A course on the selection of freight carriers and the monitoring of their performance. Use of tariffs, rates, shipping documents, and contracts for carriage. All modes of transportation are studied including: air, truck, rail, and ocean. Warehousing and materials handling are examined. (CSU)

BUS-133**Direct Mail Marketing 3 UNITS**

3.0 hours lecture

A course for those interested in mail order, direct mail catalogs, direct response advertising, and the use of direct marketing to supplement conventional marketing. The course will include study of mailing lists, customer data bases, customer profiling, media, creating and testing direct mail advertisements and packages, sales tracking and forecasting, and profitability analysis. The role of creative agencies, list brokers, letter shops, fulfillment houses, and telephone marketers will be examined. (CSU)

BUS-137A**Marketing Internship 3 UNITS**

A work experience course to enable marketing students to gain practical experience in a marketing company or a marketing-oriented department of an organization and to apply knowledge gained in other marketing courses. (CSU) 15 hours work experience per week, 180 volunteer hours or 225 paid hours.

BUS-137B**Marketing Internship 3 UNITS**

A work experience course to enable marketing students to gain practical experience in a marketing company or a marketing-oriented department of an organization and to apply knowledge gained in other marketing courses. (CSU) 10 hours work experience per week, 120 volunteer hours or 150 paid hours.

BUS-137C**Marketing Internship 3 UNITS**

A work experience course to enable marketing students to gain practical experience in a marketing company or a marketing-oriented department of an organization and to apply knowledge gained in other marketing courses. (CSU) 15 hours work experience per week, 180 volunteer hours or 225 paid hours.

BUS-137D**Marketing Internship 3 UNITS**

A work experience course to enable marketing students to gain practical experience in a marketing company or a marketing-oriented department of an organization and to apply knowledge gained in other marketing courses. (CSU) 15 hours work experience per week, 180 volunteer hours or 225 paid hours.

BUS-140**Entrepreneurship: Developing a Business Plan 3 UNITS**

3.0 hours lecture

This course is designed to help the student prepare a business plan suitable for submission to a bank or to investors. The student will prepare profit and loss statements, cash flow statements, and balance sheets; will determine financing, facilities, equipment and personnel requirements; and will develop a marketing and distribution strategy. (CSU)

BUS-141**Entrepreneurship: Managing a New Business 3 UNITS**

3.0 hours lecture

This course is a combination of academic and applied concepts of entrepreneurship. The course is designed to help the student apply theories of management, marketing, personnel, finance, cash flow, and production to problems encountered daily in managing a small business. The focus of the course will be on practical solutions to common business management problems with an emphasis on small businesses. (CSU)

BUS-142**Effective Sales - Skills of Personal Selling and Persuasion 3 UNITS**

3.0 hours lecture

This course emphasizes understanding and using persuasive communication skills in selling situations and in any business where one person wants to influence another person. (CSU)

BUS-144**Advertising 3 UNITS**

3.0 hours lecture

A basic course in the study of advertising, and its role within the larger framework of the marketing mix. Advertising agency structure, employment options, and the process and costs involved in agencies producing campaigns will be reviewed. Traditional versus online media vehicles will be reviewed and compared. Advertising strategy for social media networks will be explained. Copywriting, art and layout, mechanical production, and planning will be discussed. Successful advertising campaigns will be reviewed and evaluated as well as consumer buying behavior as it relates to advertising. (CSU)

BUS-146**Marketing 3 UNITS**

3.0 hours lecture

This course focuses on the function of marketing in an organization. It examines the essential elements of a marketing strategy; product, promotion, distribution and price; the effect of the business environment on marketing decisions; consumer behavior; identification of markets; and current issues in marketing, including new and traditional media options, market research strategy, and collaborative tools for group marketing efforts. (CSU)

BUS-147**Social Media and Internet Marketing 3 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in BUS 146 and CSIS 132 or equivalent.

3.0 hours lecture

This course will provide students with skills to achieve online marketing success in social media and integrate their Web presence with offline traditional marketing methods. The course will provide students with a basic working knowledge of methods used to help drive traffic to a web site, attract visitors and turn them into customers. Students will develop search engine optimization skills as well as explore search engine marketing, social media marketing, affiliate marketing, directory submission, and email marketing. Students will learn how to compete in new internet marketing channels, employ market research, acquire traffic, and track visitor trends. (CSU)

BUS-148**Customer Relations Management 1.5 UNITS**

1.5 hours lecture

This course is designed to provide the student with certain key skills and attitudes necessary to meet effectively the needs of customers. The student will be introduced to the concept of internal and external customers, customer satisfaction and customer retention. Topics will also include communicating with customers, developing a positive attitude, handling complaints and sales skills. (CSU)

BUS-149**Consumer Behavior 3 UNITS**

3.0 hours lecture

This course provides students with an introduction to the complexities involved in consumers selecting, purchasing, using and disposing of products and services in our marketplace. Students will investigate and learn about factors affecting consumer decisions such as personality, culture, attitudes, motivations, perceptions, and reference groups. Course emphasis will be on understanding the decision-making process and its application to the development of sound marketing strategy. (CSU)

BUS-152**Business Mathematics 2 UNITS**

2.0 hours lecture

This course is a comprehensive introduction to arithmetic applications used in business transactions, including: fractions, percentages, interest, discounts, banking, depreciation, payrolls, merchandising markup/markdowns, inventory, taxes, investments, and business statistics. (CSU)

BUS-155**Human Resources Management 3 UNITS**

3.0 hours lecture

Introduction to the management of human resources and an understanding of the impact and accountability to the organization of human resource activities. Global human resource strategies, social and organizational realities, legal implications affecting people at work, union/non-union practices, employee compensation and benefits, employee rights, and safety issues. (CSU)

BUS-156**Principles of Management 3 UNITS**

3.0 hours lecture

Planning, organizing, directing, and controlling for management. Interaction of the functions includes setting objectives, MBO, decision-making tools, alternative organization structures, leadership, motivation, communication, group dynamics, managements of stress and change, time management, ethics and diversity. A survey of the quantitative tools available to the manager is also made. (CSU)

BUS-158**Introduction to Hospitality and Tourism Management 3 UNITS**

3.0 hours lecture

Overview of the hospitality and tourism industry with a focus on basic management theories and principles as they apply to hospitality and tourism; basic structure, organization, and management of industry components and the services/products they deliver. (CSU)

BUS-159A**Management Internship 3 UNITS**

A work experience course to enable management students to gain practical experience in an organization and to apply knowledge gained in other business courses. (CSU) 15 hours work experience per week, 180 volunteer hours or 225 paid hours.

BUS-159B**Management Internship 3 UNITS**

A work experience course to enable management students to gain practical experience in an organization and to apply knowledge gained in other business courses. (CSU) 15 hours work experience per week, 180 volunteer hours or 225 paid hours.

BUS-159C**Management Internship 3 UNITS**

A work experience course to enable management students to gain practical experience in an organization and to apply knowledge gained in other business courses. (CSU) 15 hours work experience per week, 180 volunteer hours or 225 paid hours.

BUS-159D**Management Internship 3 UNITS**

A work experience course to enable management students to gain practical experience in an organization and to apply knowledge gained in other business courses. (CSU) 15 hours work experience per week, 180 volunteer hours or 225 paid hours.

BUS-160**Hospitality Managerial Accounting and Controls 3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in BUS 120 or equivalent.

3.0 hours lecture

Integrates the areas of managerial accounting and controls to applications in the hospitality industry. Topics include internal control and cost management, operations budgeting, occupancy projections and pricing decisions, credit policy and cash flow, and investment decision-making. (CSU)

BUS-166**Hospitality and Tourism Law 3 UNITS**

3.0 hours lecture

This course is designed to introduce the Hospitality and Tourism Management student to the legal principles and issues common to the hotel and travel industries. Students will gain a working knowledge of the laws and government regulations applicable to the hospitality and tourism industry. The student will be required to identify legal issues and learn how to evaluate those issues in a structured format. Attention will be given to statutory regulations of hotels and food service and other areas such as contracts, employment law, labor relations, product liability and insurance. (CSU)

BUS-176**Computerized Accounting Applications 2 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" or concurrent enrollment in BUS/BOT 109 or BUS 120.

2.0 hours lecture

An introductory course of computerized accounting functions utilizing an integrated general ledger software package. This course is especially beneficial for students, teachers and professionals who are using, or who plan to use, computerized accounting packages in a business environment. (CSU)

BUS-195**Principles of Money Management for Success 3 UNITS**

3.0 hours lecture

This course explores the theories and techniques of managing personal income by setting goals, which will culminate in the development of a personal plan to manage their financial lives. Topics include financial planning, budgeting, institutional savings and checking services, investment analysis, retirement planning, consumerism, insurance, home ownership, credit management, taxes and estate planning. (CSU) (CSU-E)

BUS-197**Personal Ethics At Work 3 UNITS**

3.0 hours lecture

This course examines the ethical foundation for choices individuals make every day both in the workplace and in their private lives, the connection between economic and ethical obligations with examples related to privacy, reporting, whistle-blowing, workplace relationships, confidentiality, and intellectual property. (CSU)

BUS-229**Property and Liability Insurance 3 UNITS**

3.0 hours lecture

This course will provide knowledge of property and liability insurance as well as a review of insurance basics. Course content includes loss exposure, contract provisions, marketing, underwriting, claims, and risk management. (CSU)

BUS-231**Legal Office Procedures II 3 UNITS**

Prerequisite: A "C" grade or higher or "Pass" in BUS 228.

Recommended Preparation: Some form of professional note-taking skill recommended.

3.0 hours lecture

A continuation of Business 228, Legal Office Procedures I, with emphasis on completing and handling court documents and forms relating to civil procedures in various areas of the law operative in State and Federal Court. (CSU)

BUS-233**Personal Insurance 3 UNITS**

3.0 hours lecture

This course will provide knowledge of how to analyze personal loss exposures and personal insurance coverages including homeowners, personal liability, inland marine, auto, life, health, and government programs. (CSU)

BUS-234**Commercial Insurance 3 UNITS**

Recommended Preparation: Business 229 or equivalent insurance industry experience.

3.0 hours lecture

This course will provide knowledge of commercial property and casualty insurance loss exposures and coverages. Course content includes analyzing property, general liability, commercial automobile, workers compensation, inland marine, and crime forms and coverages. (CSU)

BUS-235**Delivering Insurance Services 3 UNITS**

3.0 hours lecture

This course will cover the fundamentals of continuous improvement in the delivering of insurance services. It will focus on customer relations and expectations through quality management. (CSU)

BUS-250**Introduction to International Business 3 UNITS**

3.0 hours lecture

An overview of international business designed to provide both beginners and experienced business people with a global perspective on international trade including foreign investments, impact of financial markets, international marketing, and the operation of multi-national corporations. Classes will feature expert guest lecturers who will present practical solutions to actual problems in international trade. (CSU)

BUS-258**The Cultural Dimensions in International Business 3 UNITS**

3.0 hours lecture

A course examining the cultural barriers encountered when engaging in international trade. Coping effectively with the challenges of a foreign assignment and specific information on working and negotiating with foreign nationals will be presented. (CSU)

BUS-259**Introduction to Global Trade Operations 3 UNITS**

3.0 hours lecture

This foundation course is designed to provide students with an introductory exposure to many of the essential elements of doing business in today's global context. Students will gain a general understanding of the globalization process and the global business environment, along with an introduction to theories, concepts, skills, and capabilities relevant to international trade. This course is macro in nature and focuses on international trade and the operational, theoretical aspects and how to apply them in global trade. The course surveys the global business environment, international supply chain management, international market entry, operational aspects of international trade including contracts, terms of trade, terms of payment, currency of payment. (CSU)

BUS-260**Global Trade Operations, Logistics 3 UNITS**

3.0 hours lecture

This course examines the global logistics systems involved in supply chain management and used in importing and exporting. Emphasis is given to the role of ocean, air, land, and multimodal transport infrastructures as key components of international supply chain management operations. Supporting international trade topics include logistics infrastructure and security, commercial terms of trade, commercial and transportation documents, insurance, packaging for export, and National Customs Clearance Systems. (CSU)

BUS-261**Global Trade Operations, Supply Chain Management 3 UNITS**

Recommended Preparation: MATH 096

3.0 hours lecture

The intent of this course is to provide students a general overview, as well as practical operations and supply chain management background and the skillset necessary to meet today's challenging global business environment. In this course, students will be exposed to the real-world applications as a motivation for learning operations and supply chain management. Operations and Supply Chain Management is concerned with the understating of Enterprise Competitive Positioning, Demand Forecasting, Operations Planning, Inventory Management, Make/Buy Decisions, concept of Quality and Quality Management, Vendor Qualification/Selection and Management, Warehousing and Distribution Functions, Logistics, Sustainability, and Supply Chain Measurement and Benchmarking. (CSU)

BUS-262**Global Trade Operations, Import Procedures 3 UNITS**

3.0 hours lecture

This course focuses on international trade strategies and techniques and presents an overview of importing terms. The concepts of management, finance, operations, law, communications, marketing, and ethics as they apply to imports are discussed. Topics include overseas purchasing, import operations, U.S. government regulations, finance, documentation, record keeping, international trade treaties, and global culture. Additionally, the class covers bilateral trade relations, unique country profiles, and product sourcing modalities. U.S. and World Customs duty rate structure and the role of customs brokers and freight forwarders are highlighted. International currency transactions, storage, distribution, and transportation are also discussed. (CSU)

BUS-263**Global Trade Operations, Marketing & Export Procedures 3 UNITS**

3.0 hours lecture

This course provides hands-on working knowledge in the business of global marketing and exports, its procedures and required documentation. The course covers the evaluation of a company's export readiness and potential marketing to the export transaction from inception to receipt of payment. Topics include: market research, identification of the best export markets, costing, quotations, letters of credit, major export products, international trade terms, transportation, sales contracts, documentation, and U.S. export controls. (CSU)

BUS-264**Global Leadership 3 UNITS**

3.0 hours lecture

This course will help students develop leadership skills and knowledge from a local and global perspective. Students will explore leadership theories and concepts, and the cultural nuances inherent in global workplaces. Topics include development of leadership theories, personal assessment, and differing values and ethics, communication styles, multiculturalism in leadership and the change process. This course is based on the premise that each student will face a variety of leadership challenges in a diverse business environment. Learning more about cross-cultural leadership will help every student meet their leadership challenges. (CSU)

BUS-265A**Internship in International Business 1 UNITS**

Work experience in a business organization engaged in international business. The intern spends between 60 and 75 hours per semester in on-the-job training. (CSU) 5 hours work experience per week, 60 volunteer hours or 75 paid hours.

BUS-265B**Internship in International Business 1 UNITS**

Work experience in a business organization engaged in international business. The intern spends between 60 and 75 hours per semester in on-the-job training. (CSU) 5 hours work experience per week, 60 volunteer hours or 75 paid hours.

BUS-265C**Internship in International Business 1 UNITS**

Work experience in a business organization engaged in international business. The intern spends between 60 and 75 hours per semester in on-the-job training. (CSU) 5 hours work experience per week, 60 volunteer hours or 75 paid hours.

BUS-265D**Internship in International Business 1 UNITS**

Work experience in a business organization engaged in international business. The intern spends between 60 and 75 hours per semester in on-the-job training. (CSU) 5 hours work experience per week, 60 volunteer hours or 75 paid hours.

BUS-266**Internship in International Business 2 UNITS**

Prerequisite: Limited to International Business majors who have completed at least 12 units in the major.

Work experience in a business organization engaged in international business. The intern spends between 120 and 150 hours per semester in on-the-job training. (CSU) 10 hours work experience per week, 120 volunteer hours or 150 paid hours.

BUS-267**Internship in International Business 3 UNITS**

Prerequisite: Limited to International Business majors who have completed at least 12 units in the major.

Work experience in a business organization engaged in international business. The intern spends between 180 and 225 hours per semester in on-the-job training. (CSU) 15 hours work experience per week, 180 volunteer hours or 225 paid hours.

Business Office Technology (BOT)

BOT-086

Essential Skills for Workplace Success

4 UNITS

4.0 hours lecture

A class designed for office occupation students, providing essential skills and techniques necessary for success in college and in the world of work. The course includes basic keyboarding skills as well as basic literacy and arithmetic refresher skills using business office occupations curriculum as the subject matter. Special emphasis will be placed on conflicting role demands of student, parent and employee in order to provide students with basic life management skills. This course is offered on a Pass/No Pass basis only. (Nondegree credit course)

BOT-100

Basic Keyboarding

1 UNITS

3.0 hours laboratory

A course in beginning keyboarding techniques for those students who wish to use keyboarding skills for inputting information to computers. The course is taught on computers using appropriate software. Emphasis will be placed on the development of speed and accuracy by use of touch keyboarding methods. Keys taught include alphabetic, numeric and symbol keys. (CSU)

BOT-101A

Keyboarding/Document Processing I

1.5 UNITS

Prerequisite: "C" grade or higher or "Pass" in BOT 100 or equivalent.

0.8 hours lecture, 2.2 hours laboratory

Business Office Technology 101A is equivalent to the first half of Business Office Technology 101. The focus will be on learning or reviewing the alphabetic and numeric keyboard, including the 10-key pad for numeric data entry. Students will learn to use basic features of Microsoft Word software to produce simple memos, letters, and reports. Keyboarding software will be used to build speed and accuracy. Students wishing to progress to Business Office Technology 102 should also complete Business Office Technology 101B. Not open to students with credit in Business Office Technology 101. (CSU)

BOT-101B

Keyboarding/Document Processing II

1.5 UNITS

Prerequisite: "C" grade or higher or "Pass" in BOT 101A or equivalent.

0.8 hours lecture, 2.2 hours laboratory

This course is equivalent to the second half of Business Office Technology 101. Students will use Microsoft Word software to produce correctly formatted and accurate business documents, including letters, reports, and tables. Students will also use keyboarding software to build speed and accuracy. Not open to students with credit in Business Office Technology 101. (CSU)

BOT-102A

Intermediate Keyboarding/Document Processing I

1.5 UNITS

Prerequisite: "C" grade or higher or "Pass" in BOT 101B or equivalent.

0.8 hours lecture, 2.2 hours laboratory

Business Office Technology 102A is equivalent to the first half of Business Office Technology 102. Students review and create business documents to apply formatting skills taught in BOT 101 (or BOT 101A and 101B), and then students are introduced to new formatting and report styles options, including agendas, formal reports, and multipage tables. This course begins with intermediate Microsoft Word functions so entering students should be proficient in using basic Word features and should key a minimum of 30 net words per minute on a 5-minute timing. Not open to students with credit in Business Office Technology 102. (CSU)

BOT-102B

Intermediate Keyboarding/Document Processing II

1.5 UNITS

Prerequisite: "C" grade or higher or "Pass" in BOT 102A or equivalent.

0.8 hours lecture, 2.2 hours laboratory

Business Office Technology 102B is equivalent to the second half of Business Office Technology 102. Students continue to create business documents, applying new formatting skills including using templates, designing letterheads and office forms, and learning specialized applications such as medical and legal forms. This course begins with intermediate Microsoft Word functions so entering students should be proficient in using basic Word features and should key a minimum of 35 net words per minute on a 5-minute timed writing. Not open to students with credit in Business Office Technology 102. (CSU)

BOT-103A

Building Keyboarding Skill I

0.5 UNITS

Recommended Preparation: "C" grade or higher or "Pass" in BOT 100 or equivalent.

1.5 hours laboratory

This course is for students who have completed a keyboarding course but wish to work further on developing speed and accuracy. Entering students should know the alphabetic keyboard by touch and key at a minimum rate of 20 net words per minute on a 5-minute timed writing. (CSU)

BOT-103B

Building Keyboarding Skill II

0.5 UNITS

Recommended Preparation: A "C" grade or higher or "Pass" in BOT 103A or equivalent.

1.5 hours laboratory

This is a continuation course in building keyboarding speed and accuracy. Entering students should be keying by touch at a minimum rate of 25 net words per minute on a 5-minute timed writing. Students keying at a lower rate should enroll in Business Office Technology 103A. (CSU)

BOT-103C

Building Keyboarding Skill III

0.5 UNITS

Recommended Preparation: "C" grade or higher or "Pass" in BOT 103B or equivalent.

1.5 hours laboratory

This is a continuation course in building keyboarding speed and accuracy. Entering students should be keying by touch at a minimum rate of 30 net words per minute on a 5-minute timed writing. Students keying at a lower rate should enroll in Business Office Technology 103B. (CSU)

BOT-104

Filing and Records Management

1 UNITS

0.5 hours lecture, 1.5 hours laboratory

This course offers instruction in the Association of Records Managers and Administrators (ARMA) filing rules and techniques which are widely used in business to create and maintain files. Alphabetic, numeric, geographic, and subject filing rules are included. The course also includes instruction in records management, including the rules for retention, transfer and disposition of records. Students use a microcomputer software package to learn basic filing rules. (CSU)

BOT-105**Data Entry Skills****1 UNITS**

Prerequisite: "C" grade or higher or "Pass" in BOT 100 or equivalent.

5.0 hours lecture, 1.5 hours laboratory

This course is designed for students who wish to prepare for employment in the data entry field. Emphasis is on development of speed and accuracy in the use of the microcomputer alphabetic keyboard and the microcomputer numeric keypad to reach employable levels of skill. Students will complete assignments, drills, and timed speed and accuracy tests. (CSU)

BOT-106**Effective Job Search****1 UNITS**

1.0 hours lecture

This course will provide comprehensive and valuable skills that are needed to successfully secure employment, specializing in the office technology industry. It is designed to examine the continuous process of career/life planning through effective, well-planned and efficiently organized job search procedures. (CSU)

BOT-107**Office Systems and Procedures****2 UNITS**

2.0 hours lecture

Content includes office ethics and professionalism; prioritizing and productivity; human relations; working in teams; customer service skills; telephone skills; scheduling appointments; using e-mail, copiers, fax machines, and scanners; handling office mail; and using the Internet for common office functions such as travel reservations and ordering supplies. (CSU)

BOT-108**Using Calculators to Solve Business Problems****1 UNITS**

0.5 hours lecture, 1.5 hours laboratory

Introduces the ten-key, digital display, electronic calculator. The student will build skill in performing fundamental arithmetic operations using a calculator. Topics include use of decimals, fractions, constants, discounts, percentages, and memory keys. (CSU)

BOT-109**Elementary Accounting****3 UNITS**

3.0 hours lecture

A one-semester introduction to elementary accounting principles. Presentation includes journals, ledgers, work sheets and financial statement for the single proprietorship. The course is designed for the clerical employee. (May not be substituted for Business 120 where required. Not open to students with credit in Business 120.) (CSU)

BOT-110**Business English and Communication****3 UNITS**

3.0 hours lecture

A class designed to provide English and communication skills for use in office occupations. Areas covered include spelling, vocabulary, language structure, mechanics of style, and writing business memos, e-mails, and letters. All memo, e-mail and letter assignments must be typed or prepared on a computer. This course is designed primarily for Business Office Technology students. (CSU)

BOT-111**Virtual Assistant****2 UNITS**

Recommended Preparation: A "C" grade or higher or "Pass" in BOT 100, or BOT 103A and 103B and BOT 107.

2.0 hours lecture

An overview course providing information to those interested in careers as Virtual Assistants (those whose work consists mainly of internet communications and email correspondence) with a focus on virtual administrative services. Topics include defining a virtual career; creating, organizing and managing your virtual office, office and business ethics, financial planning; time management, buying and using technology, and promoting a virtual business. (CSU)

BOT-113**Social Media Basics for the Job Seeker****0.5 UNITS**

1.5 hours laboratory

Social Media Basics for the Job Seeker is an introduction to social media, social media providers, and social media uses. Definitions of social media and related terminology will be provided. Students will learn how to develop Facebook, LinkedIn, Twitter, and other accounts to develop a professional profile online. Safety and privacy will be covered. The course is designed for the beginner who wants to learn more about social media and how to use it to create an online professional portfolio. (CSU)

BOT-114**Essential Word****1 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in BOT 101A and BOT 101B or equivalent or concurrent enrollment.

0.5 hours lecture, 1.5 hours laboratory

This course is designed for the student who wants to learn the most commonly used features of a current popular word processing software package. Students who complete this course will be proficient in using text editing and formatting commands to produce typical business documents. They will also be proficient at using the mail merge feature to produce form letters, labels, and envelopes. Students who wish to study word processing software in more depth should consider enrolling in Business/Computer Science Information Systems 173 or Business Office Technology/Computer Science Information Systems 120, 121 and 122. See the current class schedule for version of Microsoft Word currently being used. Not open to students with credit in Business Office Technology/Computer Science Information Systems 121 or 122. (CSU)

BOT-115**Essential Excel****1 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in BOT 100 or equivalent.

0.5 hours lecture, 1.5 hours laboratory

This course is for the student who wants to become proficient in the most commonly used features of Microsoft Excel. Basic spreadsheet concepts and terms will be introduced. Students will learn how to create, format, and revise spreadsheets and charts. They will also learn how to create basic formulas and templates. The use of simple macros will be introduced. Students who desire more in depth coverage of these and additional topics should consider enrolling in Business Office Technology 123 and 124. (CSU)

BOT-116**Essential Access 1 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in BOT 100 or equivalent.

0.5 hours lecture, 1.5 hours laboratory

This course is for the student who wants to become proficient in the most commonly used features of Microsoft Access. Basic database concepts and terms will be introduced. Students will learn how to create, format, edit, and revise simple databases. They will learn to sort and filter records, to use queries, and to create forms, reports, and labels. Students who desire more in depth coverage of these and additional topics should consider enrolling in Business Office Technology 126, 127, and 128. (CSU)

BOT-117**Essential PowerPoint 1 UNITS**

0.5 hours lecture, 1.5 hours laboratory

This course is for the student who wants to become proficient in the most commonly used features of Microsoft PowerPoint. Basic concepts and terms will be introduced. Students will learn how to create, format, and revise PowerPoint presentations, including animation effects.

Students who desire more in depth coverage of these and additional topics should consider enrolling in Business Office Technology 129, 130, and 131. Not open to students with credit in Business Office Technology 130 or 131. (CSU)

BOT-118**Integrated Office Projects 1 UNITS**

Prerequisite: "C" grade or higher or "Pass" in BOT 114, 115, 116, and 117 or equivalents.

3.0 hours laboratory

Capstone course for BOT majors who have completed prerequisite courses in all applications of the Microsoft Office suite (Word, Excel, Access, PowerPoint). Students will apply their skills and use cloud computing technologies such as Microsoft OneDrive, Microsoft OneNote, and Google Drive to complete projects that integrate these applications. (CSU)

BOT-119**Windows for the Information Worker 2 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in BOT 100 or equivalent or concurrent enrollment in BOT 100.

2.0 hours lecture

This course is designed for students who wish to learn the latest generation of Windows. Students will learn to use the Windows operating system efficiently to customize desktop settings, control desktop applications and online apps, create an online account to access email and the cloud, conduct sophisticated online searches, understand and avoid online threats, and manage drives, files and folders. In addition, students will learn the latest in the "universal" application. (CSU)

BOT-120**Comprehensive Word, Level I 1 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in BOT 101A and BOT 101B or equivalent.

0.5 hours lecture, 1.5 hours laboratory

This is the first level of a three-level course sequence designed to give students thorough coverage of most features of Microsoft Word. Students who complete all three levels will be prepared to take the Microsoft Office User Specialist (MOUS) certification examination or similar examinations. Students wishing less comprehensive coverage of Microsoft Word should consider enrolling in Business Office Technology 114. (CSU)

BOT-121**Comprehensive Word, Level II 1 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in BOT 120 or equivalent.

0.5 hours lecture, 1.5 hours laboratory

This course is the second level in a three-level course sequence designed to give students thorough coverage of all features of Microsoft Word. Students who complete all three levels will be prepared to take the Microsoft Office User Specialist (MOUS) certification examination or similar examinations. (CSU)

BOT-122**Comprehensive Word, Level III 1 UNITS**

Prerequisite: "C" grade or higher or "Pass" in BOT 121 or equivalent.

0.5 hours lecture, 1.5 hours laboratory

This course is the third in a three-level course sequence designed to give students thorough coverage of most features of Microsoft Word. Students completing this three course sequence and preparing to take the Microsoft Office User Specialist (MOUS) certification examination or similar examinations should consider enrolling in Business Office Technology 280 prior to taking the examination. (CSU)

BOT-123**Comprehensive Excel, Level I 1 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in BOT 100 or equivalent.

0.5 hours lecture, 1.5 hours laboratory

This is the first level of a three-level course sequence designed to give students thorough coverage of most features of Microsoft Excel. Students who complete all three levels will be prepared to take the Microsoft Office User Specialist certification examination or similar examinations. Students wishing less comprehensive coverage of Microsoft Excel should consider enrolling in Business Office Technology 115. (CSU)

BOT-124**Comprehensive Excel, Level II 1 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in BOT 123 or equivalent.

0.5 hours lecture, 1.5 hours laboratory

This course is the second level in a three-level course sequence designed to give students a thorough coverage of all features of Excel. Students who complete all three levels will be prepared to take the Microsoft Office User Specialist (MOUS) certification examination or similar examinations. (CSU)

BOT-125**Comprehensive Excel, Level III 1 UNITS**

Prerequisite: "C" grade or higher or "Pass" in BOT 124 or equivalent.

0.5 hours lecture, 1.5 hours laboratory

This is the third level in a three-level course sequence designed to give students thorough coverage of all the features of Excel. (CSU)

BOT-126**Comprehensive Access, Level I 1 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in BOT 100 and BOT 116 or equivalent.

0.5 hours lecture, 1.5 hours laboratory

This is the first level of a three-level course sequence designed to give students thorough coverage of most features of Microsoft Access. Students who complete all three levels will be prepared to take the Microsoft Office User Specialist certification examination or similar examinations. Students wishing less comprehensive coverage of Microsoft Access should consider enrolling in Business Office Technology 116. (CSU)

BOT-127**Comprehensive Access, Level II** 1 UNITS

Recommended Preparation: "C" grade or higher or "Pass" in BOT 126 or equivalent.

0.5 hours lecture, 1.5 hours laboratory

This course is the second level in a three-level course sequence designed to give students a thorough coverage of all features of Microsoft Access. Students who complete all three levels will be prepared to take the Microsoft Office User Specialist (MOUS) certification examination or similar examinations. (CSU)

BOT-128**Comprehensive Access, Level III** 1 UNITS

Prerequisite: "C" grade or higher or "Pass" in BOT 127 or equivalent.

0.5 hours lecture, 1.5 hours laboratory

This course is the third in a three-level course sequence designed to give students thorough coverage of most features of Microsoft Access. Students who complete all three courses in the sequence will be prepared to take the Microsoft Office User Specialist (MOUS) certification examination or similar examinations in Access. (CSU)

BOT-129**Comprehensive PowerPoint, Level I** 1 UNITS

Recommended Preparation: "C" grade or higher or "Pass" in BOT 101A and BOT 101B and BOT 114 or equivalent.

0.5 hours lecture, 1.5 hours laboratory

This is the first level of a three-level course sequence designed to give students thorough coverage of most features of Microsoft PowerPoint. Students who complete all three levels will be prepared to take the Microsoft Office User Specialist (MOUS) certification examination or similar examinations. Students wishing less comprehensive coverage of Microsoft PowerPoint should consider enrolling in Business Office Technology 117. (CSU)

BOT-130**Comprehensive PowerPoint, Level II** 1 UNITS

Recommended Preparation: "C" grade or higher or "Pass" in BOT 129 or equivalent.

0.5 hours lecture, 1.5 hours laboratory

This course is the second level in a three-level course sequence designed to give students a thorough coverage of all features of Microsoft PowerPoint. Students who complete all three levels will be prepared to take the Microsoft Office User Specialist (MOUS) certification examination or similar examinations in PowerPoint. (CSU)

BOT-132**Google Applications for Business** 3 UNITS

3.0 hours lecture

In this course, students learn how to use Google Apps, a collection of free Web-based productivity tools, in a business environment. Topics include Google Search, Gmail, Google Calendar, Google Docs, Google Spreadsheets, Google Presentations, and emerging trends in Google Apps. Students use the Internet to access their files and the tools to manipulate and collaborate with them. (CSU)

BOT-133**Adobe Acrobat for the Workplace** 1 UNITS

Recommended Preparation: "C" grade or higher or "Pass" in BOT 119 or equivalent.

0.5 hours lecture, 1.5 hours laboratory

This course involves the study of Adobe Acrobat to create, manage, edit, assemble, and search PDF documents. Students will learn to create Adobe Portable Document Format (PDF), the universal file format for portable documents that preserves all of the fonts, formatting, colors, and graphics of any source document. Additionally, Acrobat can be used to create fillable forms, initiate review processes and apply legal features. Students will learn how to create PDF files from almost any file or paper document, as well as review and comment on PDF files, edit their content, combine multiple documents into a single PDF file, keep PDF files secure, sign them electronically using the Adobe Document Cloud, and work with interactive online forms. This course will equip students to use Adobe Acrobat successfully in all professional settings, including law offices. (CSU)

BOT-150**Using Microsoft Publisher** 1 UNITS

Recommended Preparation: "C" grade or higher or "Pass" in BOT 101A and 101B or 121 or equivalent.

0.5 hours lecture, 1.5 hours laboratory

An introductory course in Microsoft Publisher for those students who wish to acquire a basic understanding of concepts and terminology for the production of professional quality publications. The emphasis is on graphics, word processing, and page layout. (CSU)

BOT-151**Using Microsoft Outlook** 1 UNITS

Recommended Preparation: "C" grade or higher or "Pass" in BOT 100 and BOT 114 or BOT 120, or equivalent.

0.5 hours lecture, 1.5 hours laboratory

This course is designed to offer students proficiency in the use of Microsoft Outlook to create e-mail messages, maintain personal calendars and schedules, plan work, maintain contact lists, and organize information. (CSU)

BOT-160**Speech Recognition Applications** 1 UNITS

1.0 hours lecture, 1.0 hours laboratory

Hands-on application with a current speech recognition software package. This includes training the software to recognize the user's voice; speaking accurately to improve the user's voice profile; opening and closing programs; selecting text; creating, editing, and formatting a variety of business documents; capitalizing, moving, inserting, saving, opening, and printing a variety of business documents; customizing the software; managing applications and documents; and managing keyboard and mouse control techniques. (CSU)

BOT-161**Medical Terminology** 3 UNITS

3.0 hours lecture

A basic course designed to familiarize students with fundamental medical terms and to help them recognize common prefixes, roots, and suffixes that will give clues to meaning. Stresses correct spelling, pronunciation, usage, and syllabication. Uses anatomy and physiology as a basis of study. (CSU)

BOT-163

Introduction to Basic Insurance Principles **3 UNITS**
3.0 hours lecture

This course will provide a working knowledge of the insurance basics necessary to begin a career in an insurance agency or an insurance company. Course content includes the principles of property and casualty insurance and the coverage they provide. (CSU)

BOT-164

Computer Software for the Insurance Industry **2 UNITS**
Recommended Preparation: "C" grade or higher or "Pass" or concurrent enrollment in BOT 163 or equivalent insurance industry experience.
2.0 hours lecture

This course will provide knowledge of common rating software utilized in the rating of auto insurance, homeowners, and dwelling fire policies. In addition, the student will learn how to complete common industry forms such as applications. Students will be expected to recognize and understand common insurance industry terms. (CSU)

BOT-165

Medical Insurance Billing **4.5 UNITS**
Recommended Preparation: "C" grade or higher or "Pass" in BOT 102B and BOT 161 or equivalent. May be concurrently enrolled in BOT 161.
4.0 hours lecture, 2.0 hours laboratory

The course provides entry-level training in medical insurance billing. The course will cover government, military, private and group insurance claim forms and process, including the use of standardized forms. Students will develop an understanding of Current Procedural Terminology (CPT), International Classification of Diseases (ICD) and Health Care Procedural Coding System (HCPCS) as they are used in medical records, insurance billing, and related correspondence. Emphasis is placed on: ICD-9, CPT and HCPCS coding; processing and monitoring health care claims, manually and using specialized software; interpretation and processing of Explanation of Benefits (EOB) information; and claims review and appeal. Students will use word processing and patient accounting software to produce billing correspondence and documents. (CSU)

BOT-167

Medical Coding **4 UNITS**
Recommended Preparation: "C" grade or higher or "Pass" in BOT 161 and 165 or equivalent.
4.0 hours lecture, 1.0 hours laboratory

This course provides entry-level training in medical coding. Students will develop an understanding of Current Procedure Terminology (CPT) and International Classifications of Diseases (ICD-9-CM), Volumes I and II as they are used in records. (CSU)

BOT-170

Medical Office Procedures **6 UNITS**
Prerequisite: "C" grade or higher or "Pass" or concurrent enrollment in BOT 161 or equivalent.
6.0 hours lecture

A course designed for those who wish to pursue a career as a medical business office worker or for those currently working in a medical office who wish to improve their skills. Students will develop skills in oral and written communications, records management, office supervision, legal and ethical obligations, credit and collections, banking procedures, bookkeeping for a medical office, employer and payroll taxes, special administrative procedures and preparation of a procedure manual for the medical office. (CSU)

BOT-171

Microcomputer Business Applications Lab **1 UNITS**
Corequisite: Concurrent enrollment in BOT 172.
3.0 hours laboratory

This lab is highly recommended for all students enrolled in Business Office Technology 172, and is especially beneficial for students who do not have access to a microcomputer outside of class hours. Hands-on assignments will facilitate skill development in all areas of microcomputer applications covered in Business Office Technology 172. (CSU)

BOT-172

Introduction to Microcomputer Applications **2 UNITS**
Recommended Preparation: "C" grade or higher or "Pass" in BOT 119 and BOT 100 or BOT 101A.
2.0 hours lecture

This class introduces a student to microcomputer application software. It is taught using a Windows operating system and IBM-compatible microcomputer, using business software in a hands-on lecture approach. Topics include the use of microcomputers for word processing, spreadsheet, database, electronic publishing and presentation functions. (CSU)

BOT-176

Computerized Accounting Applications **2 UNITS**
Recommended Preparation: "C" grade or higher or "Pass" or concurrent enrollment in BUS/BOT 109 or BUS 120.
2.0 hours lecture

An introductory course of computerized accounting functions utilizing an integrated general ledger software package. This course is especially beneficial for students, teachers and professionals who are using, or who plan to use, computerized accounting packages in a business environment. (CSU)

BOT-179

Computerized Accounting Lab **1 UNITS**
Corequisite: Concurrent enrollment in BUS/BOT 176.
3.0 hours laboratory

Supervised laboratory practice to enhance computer skills in subject areas included in Business/Business Office Technology. Use of integrated general accounting software for completion of projects assigned in Computerized Accounting Applications class. (CSU)

BOT-223

Office Work Experience **1 UNITS**
Prerequisite: Limited to majors in Business Office Technology who have completed at least 12 units in the major.

Work experience in an office. Trainee spends 60-75 hours per semester in on-the-job training in an office. Keyboarding and computer skills as well as training in a variety of office procedures are required by most worksites. (CSU) 5 hours work experience per week, 60 volunteer hours or 75 paid hours.

BOT-224

Office Work Experience **2 UNITS**
Prerequisite: Limited to majors in Business Office Technology who have completed at least 12 units in the major.

Work experience in an office. Trainee spends 120-150 hours per semester in on-the-job training in an office. Keyboarding and computer skills as well as training in a variety of office procedures are required by most worksites. (CSU) 10 hours work experience per week, 120 volunteer hours or 150 paid hours.

BOT-225

Office Work Experience

3 UNITS

Prerequisite: Limited to majors in Business Office Technology who have completed at least 12 units in the major.

Work experience in an office. Trainee spends 180-225 hours per semester in on-the-job training in an office. Keyboarding and computer skills as well as training in a variety of office procedures are required by most worksites. (CSU) 15 hours work experience per week, 180 volunteer hours or 225 paid hours.

Cardiovascular Technology (CVTE)

CVTE-100

Physical Principles of Medicine I 2 UNITS

Prerequisite: Admission to the Cardiovascular Technology Program.

Corequisite: CVTE 101 and 102 and 103.

2.0 hours lecture

A course in the mathematics and physical principles of medicine specifically applicable to the field of Cardiovascular Technology. Designed for students enrolled in the Cardiovascular Technology Program, the course includes studies in the use of mathematic formulas and physics used to evaluate the hemodynamics of the cardiovascular system. (CSU)

CVTE-101

Cardiovascular Physiology I 4 UNITS

Prerequisite: Admission to the Cardiovascular Technology Program.

Corequisite: CVTE 100 and 102 and 103.

4.0 hours lecture

A study of the anatomy, physiology, and structural relationships of the human heart and vascular system. Designed for students enrolled in the Cardiovascular Technology program, the course will concentrate on specialized terminology, cardiac and vascular anatomy, electrocardiography, and cardiac function of the normal cardiovascular system. (CSU)

CVTE-102

Medical Instrumentation I 3 UNITS

Prerequisite: Admission to the Cardiovascular Technology Program.

Corequisite: CVTE 100 and 101 and 103.

2.0 hours lecture, 3.0 hours laboratory

An integrated course in medical electronics and instrumentation for the cardiovascular technology student. The course will emphasize the concepts of electrical safety, the clinical application of electronic instruments and devices used in cardiovascular medicine, and the characteristics, recording, and measurement of bioelectric signals. (CSU)

CVTE-103

Laboratory Practicum and Proficiency Testing I 2 UNITS

Prerequisite: Admission to the Cardiovascular Technology Program.

Corequisite: CVTE 100 and 101 and 102.

1.0 hours lecture, 3.0 hours laboratory

A practicum course designed to ensure competency in the basic skills required in the clinical practice of cardiovascular technology. Students acquire skills in the performance of indirect blood pressure measurement, ankle brachial index (ABI), patient transport, ultrasound imaging and Doppler interpretation of the heart and carotid arteries to include calculations of specified hemodynamic parameters. (CSU)

CVTE-104

Electrocardiographic Theory 3 UNITS

Prerequisite: Admission to the ECG Program.

Corequisite: CVTE 105.

3.0 hours lecture

This course will provide the electrocardiograph theory and principles required to perform basic 12-lead electrocardiograms. Basic cardiac anatomy and physiology will be covered with a focus on the cardiac conduction system. Basic rhythm strip analysis will be included. This course and CVTE 105 are designed to train students in the administration of a resting 12-lead electrocardiogram, stress testing, and ambulatory monitoring, and to prepare the student for the Certified Cardiographic Technician (CCT) exam through Cardiovascular Credentialing International. (CSU)

CVTE-105

Electrocardiographic Technique 2 UNITS

Corequisite: CVTE 104.

6.0 hours laboratory

A course in the practical application of the technique for recording and interpreting standard electrocardiograms. There is an emphasis on the techniques for administering a 12-lead electrocardiogram. Students will perform electrocardiograms in an on-campus laboratory setting and be assigned to lab rotations in local clinical facilities for a portion of the semester. This course and CVTE 104 will prepare the student for the Certified Cardiographic Technician (CCT) exam through the Cardiovascular Credentialing International. (CSU)

CVTE-106

Advanced Electrocardiographic Studies 5 UNITS

Prerequisite: Admission to the Telemetry Program

Corequisite: CVTE 108

4.0 hours lecture, 3.0 hours laboratory

A study of the theory, clinical application and administration of specialized monitoring equipment to identify and analyze cardiac rhythms. This course along with CVTE 108 will prepare the student to take the Certified Rhythm Analysis Technician (CRAT) exam through Cardiology Credentialing International. (CSU)

CVTE-107

Introduction to Clinical Practicum I 0.5 UNITS

Corequisite: CVTE 100 and 101 and 102 and 103.

0.25 hours lecture, 0.75 hours laboratory

A course to introduce the first year/fall semester CVTE student, enrolled in the CVTE Program, to Invasive Cardiology, Adult Echocardiography and Vascular Technology in the hospital/clinical environment. The course is designed to acquaint and educate the student with the day-to-day procedures and specific job requirements and descriptions for each track specialty. This course will provide the needed information and clinical observations to enable them in selecting a subspecialty within the field of Cardiovascular Technology. (CSU)

CVTE-108

Advanced Cardiac Monitoring 2 UNITS

Corequisite: CVTE 106

2.0 hours lecture

A study of the advanced cardiac arrhythmias that Cardiac Monitoring Technicians are required to know before employment can be obtained in this field. Special attention will be given life-threatening dysrhythmias along with techniques for distinguishing between aberrant rhythms and life-threatening dysrhythmias. Treatment for abnormal rhythms will be discussed. This course along with CVTE 106 will prepare the student to take the Certified Rhythm Analysis Technician (CRAT) exam through the Cardiovascular Credentialing International. (CSU)

CVTE-109

X-Ray Physics and Radiation Safety 3 UNITS

Prerequisite: "C" grade or higher in CVTE 100 and 101 and 102 and 103.

3.0 hours lecture

A course providing advanced study in medical electronics and instrumentation which focuses on imaging technologies, utilized in invasive cardiology. Emphasis will be placed upon radiation safety, fluoroscopic regulations, fluoroscopy techniques, the x-ray imaging chain, x-ray physics, cardiovascular angiographic projections, coronary angiographic techniques, optical principles, intravascular ultrasound and Doppler techniques. Additional emphasis is placed on fluoroscopic data collection, analysis and interpretation of clinical patterns. (CSU)

CVTE-110**Physical Principles of Medicine II****3 UNITS**

Prerequisite: "C" grade or higher in CVTE 100 and 101 and 102 and 103.
3.0 hours lecture

This course is a continuation of Cardiovascular Technology 100 with emphasis on the physical characteristics of sound, ultrasound, and Doppler ultrasound as utilized in medical diagnostic testing. The course explores the physics involved in the formation, propagation, and reflection of sound and ultrasound, the characteristics of the various types of transducers used in echocardiography and vascular duplex scanning, and the mathematical techniques employed in the use of ultrasound to measure and calculate hemodynamic function indices. (CSU)

CVTE-111**Cardiovascular Physiology II****4 UNITS**

Prerequisite: "C" grade or higher in CVTE 100 and 101 and 102 and 103.
4.0 hours lecture

This course is a continuation of Cardiovascular Technology 101, Cardiovascular Physiology I, with emphasis on cardiovascular disease including arrhythmias, coronary artery disease, peripheral vascular disease, cardiomyopathies, heart failure and hypertension. Congenital heart disease will be introduced beginning with a study of the embryologic development of the heart. (CSU)

CVTE-113**Introduction to Clinical Practicum II****1 UNITS**

Prerequisite: "C" grade or higher in CVTE 100 and 101 and 102 and 103.
1.0 hours lecture

This course prepares the Cardiovascular Technology student for the clinical setting with topics such as the Health Insurance Portability and Accountability Act (HIPAA), Infection Control, Radiation Safety, patient transport, basic patient care, professionalism in the healthcare setting and expectations of the Cardiovascular Technology student during clinical assignments. (CSU)

CVTE-114**Cardiovascular Pharmacology****2 UNITS**

Prerequisite: "C" grade or higher in CVTE 111.
2.0 hours lecture

This course introduces medications used in the field of cardiovascular healthcare. Emphasis will be on the mechanism of the different types of medications and their use in the care of the cardiovascular patient. Concepts of drug classification, pharmacokinetics, and application of medications to cardiovascular disease and cardiovascular procedures will be the focus of this course.

CVTE-115**Introduction to Adult Echocardiography****4 UNITS**

Prerequisite: "C" grade or higher in CVTE 100 and 101 and 102 and 103.
2.0 hours lecture, 6.0 hours laboratory

An introduction to Adult Echocardiography. This course is in specialized techniques and cardiovascular theory to develop cognitive and manipulative skills in the clinical operation of specified ultrasound instrumentation, and in the performance of adult echocardiography. (CSU)

CVTE-116**Introduction to Invasive Cardiology****4 UNITS**

Prerequisite: "C" grade or higher in CVTE 100 and 101 and 102 and 103.
2.0 hours lecture, 6.0 hours laboratory

An introductory course in Invasive Cardiology with instruction in specialized techniques used in Invasive Cardiology and designed to provide lecture and laboratory practicum necessary to develop cognitive and manipulative skills in the clinical operation of specified cardiovascular instrumentation, and in the performance of diagnostic tests in cardiac catheterization procedures. (CSU)

CVTE-117**Introduction to Vascular Technology****4 UNITS**

Prerequisite: A "C" grade or higher in all CVTE 100 and 101 and 102 and 103.
2.0 hours lecture, 6.0 hours laboratory

An introduction to vascular diagnostic sonography. This course covers specialized techniques of noninvasive testing of the human vascular system. It is designed to provide lecture and laboratory instruction in cognitive and psychomotor skills required for the clinical operation of ultrasound and other diagnostic instrumentation, as well as in the rationale, performance, and interpretation of diagnostic tests used in the vascular lab. (CSU)

CVTE-130**Clinical Practicum I****2 UNITS**

Prerequisite: "C" grade or higher in CVTE 113.
6.0 hours laboratory

This laboratory course is the first student opportunity to perform cardiovascular diagnostic testing in a clinical setting under the guidance of an experienced Cardiovascular Technologist. Basic patient interaction, routine patient care, diagnostic testing in a clinical setting, preliminary findings and the physician's final report will be introduced. The diagnostic proficiencies learned in the classroom and practiced during the first-year lab sessions of the Cardiovascular Technology Program will be applied to situations in the hospital, clinic or doctor's office setting. (CSU)

CVTE-220**Clinical Practicum II****5 UNITS**

Prerequisite: "C" grade or higher in CVTE 130.
15.0 hours laboratory

The second laboratory course providing clinical practicum for students in the Cardiovascular Technology Program. Emphasis will be on the continuation of building the skills, knowledge and behaviors necessary for the successful Cardiovascular Technologist. The performance of specified diagnostic tests, calculation of hemodynamic data, and professional performance in the clinical environment will be stressed. (CSU)

CVTE-221**Diagnostic Procedures I: Adult Echocardiography****5 UNITS**

Prerequisite: "C" grade or higher in CVTE 115.
3.0 hours lecture, 6.0 hours laboratory

A course in specialized techniques using echocardiography for testing and evaluation of cardiovascular disease. Lectures will stress the performance and analysis of cardiac ultrasound studies, the relationship of ultrasound findings to cardiac pathology and the measurement and calculation of specified hemodynamic parameters. Special emphasis is given to incorporating the American Society of Echocardiography (ASE) Guidelines. The classroom laboratory provides advanced instruction in the topics and performance of diagnostics tests in echocardiography. The theory, operation and clinical application of specified diagnostic medical instrumentation will be applied. (CSU)

CVTE-222**Interventional Procedures I: Invasive Cardiology 5 UNITS**

Prerequisite: "C" grade or higher in CVTE 116.

3.0 hours lecture, 6.0 hours laboratory

This course provides advanced study in medical electronics and instrumentation, focusing on devices utilized in invasive cardiology. Specialized techniques and interpretation of physiologic data obtained during diagnostic and interventional procedures performed in the Cardiac Catheterization Lab will be emphasized. Classroom and hospital based lab sessions will focus on coronary, peripheral and electrophysiologic procedures. (CSU)

CVTE-223**Diagnostic Procedures I: Vascular Technology 5 UNITS**

Prerequisite: "C" grade or higher in CVTE 117.

3.0 hours lecture, 6.0 hours laboratory

A course of instruction in the specialized techniques of noninvasive testing of the human vascular system and the evaluation of vascular pathophysiology. Lectures will stress the performance and analysis of vascular ultrasound scanning, spectral analysis and the interpretation of scanning and non-scanning modalities for vascular testing. The classroom laboratory provides advanced instruction in the topics and performance of diagnostics tests in vascular technology. The theory, calibration, operation and clinical application of specified diagnostic medical instrumentation will be applied. Hospital based laboratory sessions are conducted in vascular laboratories in local hospitals, with instruction in techniques of duplex scanning of the cerebrovascular and lower-extremity vasculature. (CSU)

CVTE-225**Extended Experience in Clinical Practicum 1 UNITS**

Prerequisite: "C" grade or higher in CVTE 220.

3.0 hours laboratory

A course designed to provide students with a continuation of their clinical experience. This course will provide continued application of invasive, noninvasive and vascular diagnostic techniques and clinical instruction. Students are assigned to local clinical facilities where they participate in the performance of cardiac catheterization procedures, echocardiography and vascular studies as determined by clinical specialty. (CSU)

CVTE-250**Clinical Practicum III 5 UNITS**

Prerequisite: "C" grade or higher in CVTE 220.

15.0 hours laboratory

This third laboratory course provides a continuation of clinical practicum for students in the Cardiovascular Technology Program. Emphasis will be on consolidating skills acquired in CVTE 220 and building upon those skills to advance the student toward program completion. (CSU)

CVTE-251**Diagnostic Procedures II: Adult Echocardiography 5 UNITS**

Prerequisite: "C" grade or higher in CVTE 221.

3.0 hours lecture, 6.0 hours laboratory

This course is a continuation of Cardiovascular Technology 221. It is an advanced course in the techniques utilized in the diagnosis and serial follow-up of cardiovascular disease using conventional imaging as well as strain, stress echo, and trans-esophageal echocardiography (TEE). Special emphasis is given to incorporating the American Society of Echocardiography (ASE) Guidelines. The classroom laboratory continues advanced instruction in the topics and performance of diagnostics tests in echocardiography. The theory, operation and clinical application of specified diagnostic medical instrumentation will be applied. (CSU)

CVTE-252**Interventional Procedures II: Invasive Cardiology 5 UNITS**

Prerequisite: "C" grade or higher in CVTE 222.

3.0 hours lecture, 6.0 hours laboratory

This course continues the advanced study of cardiac medical electronics and instrumentation, focusing on devices utilized in invasive cardiology. Specialized interventional procedures performed in the Cardiac Catheterization Lab will be emphasized, along with structural heart, cardiac rhythm management, device implantation, and electrophysiology studies. Classroom and hospital-based lab sessions will focus on coronary, peripheral and electrophysiologic procedures. (CSU)

CVTE-253**Diagnostic Procedures II: Vascular Technology 5 UNITS**

Prerequisite: "C" grade or higher in CVTE 223.

3.0 hours lecture, 6.0 hours laboratory

A course of instruction in the specialized techniques of noninvasive testing of the human vascular system and the evaluation of vascular pathophysiology. Lectures will stress the performance and analysis of vascular ultrasound scanning, spectral analysis and the interpretation of scanning and non-scanning modalities for vascular testing. The classroom laboratory provides advanced instruction in the topics and performance of diagnostics tests in vascular technology. The theory, calibration, operation and clinical application of specified diagnostic medical instrumentation will be applied. Hospital based laboratory sessions are conducted in vascular laboratories in local hospitals, with instruction in techniques of duplex scanning of the cerebrovascular and lower-extremity and abdominal vasculature. (CSU)

Chemistry (CHEM)

CHEM-102

Introduction to General, Organic and Biological Chemistry 5 UNITS

Prerequisite: Grade of "Pass" in MATH 090 or equivalent or appropriate mathematics placement.

4.0 hours lecture, 3.0 hours laboratory

A one-semester course covering the basic principles of general, organic and biochemistry as needed to understand the biochemistry, physiology and pharmacology of the human body. This course is intended for students planning to transfer to a California State University nursing program. Students with a grade of "C" or higher in Chemistry 115 and 116 are not eligible for this class. (CSU/UC) (AA/AS-B2, CSU-B1,B3, IGETC-5A)

CHEM-110

Environmental Chemistry 3 UNITS

3.0 hours lecture

A course in chemistry designed for the nonscience student who wishes to discover how chemistry is an intricate part of our everyday life.

Emphasis will be placed on basic chemical principles and practices, fundamental concepts, and modern implications of chemistry. Students will also become acquainted with environmental applications of topics covered, including the study of the environmental issues such as ozone depletions, global warming, air and water pollution, and radioactivity. Demonstrations and hands-on in-class experiments involving student participation take the place of a laboratory. (CSU/UC) (AA/AS-B2, CSU-B1, IGETC-5A)

CHEM-113

Forensic Chemistry 4 UNITS

Prerequisite: Grade of "Pass" in MATH 090 or equivalent or appropriate mathematics placement.

3.0 hours lecture, 3.0 hours laboratory

Elementary principles of inorganic and general chemistry with application to the field of criminal justice. Students will learn basic chemical terminology, problem solving techniques and chemical explanations of our environment. Emphasis will be placed on forensic applications of topics covered, including the study of physical evidence such as hair, fibers, glass, fingerprints, and paint. Organic and inorganic techniques for analyzing evidence will be studied in lecture and practiced in lab.

Previous chemistry background is helpful, but not required. This course is recommended for students needing a one semester general chemistry laboratory course. This course does not satisfy the prerequisite for Chemistry 141. Students will not receive credit toward graduation for more than one of the following courses: Chemistry 113, Chemistry 115, and Chemistry 120. (CSU/UC) (AA/AS-B2, CSU-B1,B3, IGETC-5A,5C)

CHEM-115

Fundamentals of Chemistry 4 UNITS

Prerequisite: "Pass" grade or higher in Math 090 or equivalent or appropriate mathematics placement.

3.0 hours lecture, 3.0 hours laboratory

Elementary principles of inorganic and general chemistry with an overview of organic and biochemistry. Basic chemical terminology, problem solving techniques and chemical explanations of our environment will be studied. Chemical concepts will be explained through common applications such as health science and forensic science.

Previous chemistry background is helpful, but not required. This course is recommended for students needing a one semester general chemistry laboratory course. This course does not satisfy the prerequisite for Chemistry 141. Students will not receive credit toward graduation for more than one of the following courses: Chemistry 113, Chemistry 115 and Chemistry 120. (CSU/UC) (AA/AS-B2, CSU-B1,B3, IGETC-5A,5C)

CHEM-116

Introductory Organic and Biochemistry 4 UNITS

Prerequisite: "C" grade or higher or "Pass" in CHEM 115 or equivalent.

3.0 hours lecture, 3.0 hours laboratory

This course introduces the study of carbon compounds with emphasis on their structure, properties, and reactivity. Introduction to the structure of the major classes of biomolecules- carbohydrates, lipids, and proteins- and their relationship to the major classes of organic compounds. (CSU/UC) (AA/AS-B2, CSU-B1, IGETC-5A)

CHEM-117

Introductory Biochemistry 3 UNITS

Prerequisite: "C" grade or higher or "Pass" in CHEM 116 or CHEM 102 or CHEM 241 or equivalent.

3.0 hours lecture

This course is an introduction to the chemistry of biochemical reactions and biochemical molecules. Topics include: acid/base chemistry, thermodynamics, cell biology, amino acids, and proteins, enzymes, lipids, membranes and transport, carbohydrates, metabolism, nucleic acids, and information transfer. This course is designed for students majoring in nutrition, allied health, nursing, and the chemical or life sciences. (CSU/UC) (AA/AS-B2, CSU-B2, IGETC-5B)

CHEM-120

Preparation for General Chemistry 4 UNITS

Prerequisite: A "C" grade or higher or "Pass" in MATH 110 or equivalent or appropriate placement beyond intermediate algebra.

3.0 hours lecture, 3.0 hours laboratory

A beginning general chemistry course for students with little or no background in chemistry. This course will prepare students for a full year general chemistry course. This course will be an intensive study in the areas of problem solving, basic atomic theory, chemical nomenclature, stoichiometry, gas laws, solutions, acid-base chemistry, and redox. The laboratory will be an introduction to quantitative techniques, descriptive chemistry, gas laws, and data treatment. Students will not receive credit toward graduation for more than one of the following courses: Chemistry 113, Chemistry 115 and Chemistry 120. (CSU/UC) (AA/AS-B2, CSU-B1,B3, IGETC-5A,5C)

CHEM-141

General Chemistry I 5 UNITS

Prerequisite: "C" grade or higher or "Pass" in Chemistry 120 or equivalent or a "C" grade or higher or "Pass" in Mathematics 110 or equivalent or appropriate placement beyond intermediate algebra AND the Chemistry 141 assessment.

3.0 hours lecture, 6.0 hours laboratory

Basic principles and calculation of chemistry with emphasis in stoichiometry, gas laws, kinetic-molecular theory, basic equilibrium including gas phase and solution phase, pH atomic and molecular structures, chemical bonding, and applications of the First Law of Thermodynamics. The laboratory is an introduction to classical and instrumental analysis, the principles of equilibrium, and atomic and molecular structures. (C-ID CHEM 110 and CHEM 120S with CHEM 142) (CSU/UC) (AA/AS-B2, CSU-B1,B3, IGETC-5A,5C)

CHEM-142**General Chemistry II****5 UNITS**

Prerequisite: "C" grade or higher or "Pass" in CHEM 141 or equivalent.

3.0 hours lecture, 6.0 hours laboratory

Basic principles and calculations of chemistry with emphasis on the areas of thermodynamics, kinetics, aqueous equilibrium, electrochemistry, coordination chemistry, nuclear chemistry and an introduction to organic and biochemistry. The laboratory will demonstrate the concepts presented in lecture and in addition will introduce qualitative analysis. (C-ID CHEM 120S with CHEM 141) (CSU/UC) (AA/AS-B2, CSU-B1,B3, IGETC-5A,5C)

CHEM-231**Organic Chemistry I****5 UNITS**

Prerequisite: "C" grade or higher or "Pass" in CHEM 142 or equivalent.

3.0 hours lecture, 6.0 hours laboratory

First of a two semester organic chemistry sequence. The topics covered will include nomenclature of organic compounds, stereochemistry, reaction mechanisms, and the study of representative reactions for certain classes or organic compounds. The relationship of structure to properties, reactivity and mechanism or reaction will be emphasized. Students will become familiar with organic structure and functional groups by performing organic reactions. These will include nucleophilic substitution, dehydration, and organic redox used to synthesize new compounds from starting materials. Students will become proficient at separation and purification techniques including TLC, column chromatography, recrystallizations and distillations. They will also utilize a variety of instrumentation including NMR, FTIR spectroscopy, gas chromatography, UV spectroscopy, and HPLC. (C-ID CHEM 160S with CHEM 232) (CSU/UC) (AA/AS-B2, CSU-B1,B3, IGETC-5A,5C)

CHEM-232**Organic Chemistry II****5 UNITS**

Prerequisite: "C" grade or higher or "Pass" in CHEM 231 or equivalent.

3.0 hours lecture, 6.0 hours laboratory

Second of a two semester sequence. The topics covered will include: structure and reactivity of carboxylic acids and their derivatives, amines and other nitrogen functional groups, aromatic compounds, heterocyclic compounds, polyfunctional compounds, conjugation and aromaticity, and multistep organic synthesis. (C-ID CHEM 160S with CHEM 231) (CSU/UC) (AA/AS-B2, CSU-B1,B3, IGETC-5A,5C)

CHEM-241**Organic Chemistry I Lecture****3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in CHEM 142 or equivalent.

3.0 hours lecture

First of a two semester organic chemistry lecture sequence. The topics covered will include nomenclature of organic compounds, stereochemistry, reaction mechanisms, and the study of representative reactions for certain classes or organic compounds. The relationship of structure to properties, reactivity and mechanism or reaction will be emphasized. (CSU/UC) (AA/AS-B2, CSU-B1, IGETC-5A)

CHEM-241L**Organic Chemistry I Laboratory****2 UNITS**

Corequisite: "C" grade or higher or "Pass" in CHEM 241 or equivalent or concurrent enrollment in CHEM 241.

6.0 hours laboratory

First of a two semester organic chemistry laboratory sequence. The topics covered will include basic organic chemistry laboratory operations. Students will become familiar with organic structure and functional groups by performing organic reactions. These will include nucleophilic substitution, dehydration, and organic redox used to synthesize new compounds from starting materials. Students will become proficient at separation and purification techniques including TLC, column chromatography, recrystallizations and distillations. They will also utilize a variety of instrumentation including FTIR spectroscopy, gas chromatography, UV spectroscopy, and HPLC. They will also evaluate NMR data based on their experimental results. (CSU/UC) (AA/AS-B2, CSU-B3, IGETC-5C)

CHEM-242**Organic Chemistry II Lecture****3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in CHEM 231 or CHEM 241 or equivalent.

Corequisite: "C" grade or higher or "Pass" in Chemistry 241L or equivalent or concurrent enrollment in Chemistry 241L.

3.0 hours lecture

Second of a two semester sequence. The topics covered will include: structure and reactivity of carboxylic acids and their derivatives, amines and other nitrogen functional groups, aromatic compounds, heterocyclic compounds, polyfunctional compounds, conjugation and aromaticity, and multistep organic synthesis. (CSU/UC) (AA/AS-B2, CSU-B1, IGETC-5A)

CHEM-242L**Organic Chemistry II Laboratory****2 UNITS**

Prerequisite: "C" grade or higher or "Pass" in CHEM 231 or CHEM 241 and 241L or equivalent.

Corequisite: A "C" grade or higher or "Pass" in Chemistry 242 or equivalent or concurrent enrollment in Chemistry 242.

6.0 hours laboratory

Second of a two semester laboratory sequence. The topics covered will include: structure and reactivity of carboxylic acids and their derivatives, amines and other nitrogen functional groups, aromatic compounds, heterocyclic compounds, polyfunctional compounds, conjugation and aromaticity, and multistep organic synthesis. This class is intended as a second semester organic chemistry laboratory for students needing additional laboratory expertise. (CSU/UC) (AA/AS-B2, CSU-B3, IGETC-5C)

Child Development (CD)

CD-101

Parent Education

1 UNITS

1.0 hours lecture

This course is primarily designed for parents of children enrolled in the Child Development Center although others are welcome to take the class. The course includes an overview of child development principles and an exploration of the role of parents in supporting the development of their children. The course will provide guidance in effective parenting strategies reflecting family and cultural beliefs. Discussions and assignments will relate directly to the participants' interaction with young children. (CSU)

CD-106

Practicum: Beginning Observation and Experience

1 UNITS

Prerequisite: "C" grade or higher or "Pass" in CD 123 or CD 125 or equivalent.

3.0 hours laboratory

A laboratory experience at an approved placement site, this course includes observing and recording behavior of infant through preschool children and working directly with preschool children. This course is designed to reinforce and augment understanding of principles and techniques for observing, assessing, planning and working with young children through direct experience. (CSU)

CD-115

Changing American Family

3 UNITS

3.0 hours lecture

A survey of the contemporary American family with emphasis on changes in form, functions and expectations. The history of the family, both public and private, will be considered and examined in relation to the effects of class, ethnicity and social policy. The effects on the family of common life events experienced by individuals and family members will be covered including sexuality, mate selection, marriage, childbearing, the working family, divorce, domestic violence and aging. The future of the family including implications for the individual and society will be discussed. (CSU/UC) (AA/AS-D, CSU-D, IGETC-4)

CD-121

The Arts and Creativity for Young Children

3 UNITS

3.0 hours lecture

This course will explore the development of creativity and creative expression through art, music, dramatic play and movement. Students will participate in a variety of creative experiences and learn strategies for incorporating the creative arts into daily routines and curriculum in early care and education settings. Developing skills to prepare an inclusive classroom environment that integrates creativity, is aesthetically pleasing, and developmentally appropriate will be a part of the course. This class meets the Program/Curriculum core requirement for Community Care Licensing and the California Commission on Teacher Credentialing Child Development Permit. (CSU)

CD-123

Principles and Practices of Programs and Curriculum for Young Children

3 UNITS

3.0 hours lecture

An examination of theoretical principles of developmentally appropriate practices applied to programs, environments, emphasizing the key role of relationships, constructive adult-child interactions, and teaching strategies in supporting emotional, physical, social, creative and intellectual development for all children. This course includes a review of the historical roots of early childhood programs and the evolution of the professional practices promoting advocacy, ethics and professional identity. Legal requirements for programs in California including Title 22 and Title 5 are also included. (CSU)

CD-124

Infant and Toddler Development

3 UNITS

3.0 hours lecture

This course is a study of infants and toddlers, ages 0-3, which focuses on development in social-emotional, cognitive, language, and motor domains, including variations due to linguistic, cultural, socioeconomic and special needs. Emphasis is on development as it relates to care in a group setting. Theories and current issues related to group care are examined as well as appropriate methods of guidance and socialization. A strong focus is placed on the importance of the cultural context as it relates to meeting individual needs and building positive relationships with both child and family. (CSU)

CD-125

Child Growth and Development

3 UNITS

3.0 hours lecture

This course is a study of child growth and development from conception through adolescence as determined by the interaction of the biosocial, cognitive and social/emotional domains of development within the family and the cultural context with implications for raising successful adults. Observations of children of various ages is an integral part of this course. (C-ID CDEV 100) (CSU/UC) (AA/AS-D, CSU-D,E, IGETC-4)

CD-127

Science and Mathematics for Child Development

3 UNITS

Recommended Preparation: CD 125.

3.0 hours lecture

This course stresses the importance and value of science and mathematics in programs for young children. Students will gain an understanding of how children develop basic concepts of math and science, evaluate curriculum, and utilize appropriate methods and materials for early childhood education programs. Emphasis will be on the diverse and developmental differences of children. (CSU)

CD-129

Language and Literature for Child Development

3 UNITS

Recommended Preparation: Child Development 125.

3.0 hours lecture

This course is designed to enhance the role of the teacher in supporting language and literacy development for young children. Students evaluate children's literature and develop practical skills in communicating, reading and telling appropriate stories. Respectful, nurturing relationships, developmentally appropriate learning environments and collaborations with families and staff of diverse backgrounds will be emphasized as foundations for supporting first and second language acquisition and emergent literacy. (CSU)

CD-130**Curriculum: Design and Implementation 3 UNITS**

Recommended Preparation: Child Development 121, 123, 125, 127, 129 and 131.

3.0 hours lecture

This course integrates knowledge and skills from previous Child Development coursework as a foundation for designing appropriate curriculum and environments for young children. Students will examine a variety of approaches to curriculum development. The class will emphasize a co-constructive process of observation, implementation and documentation for designing environments that generate meaningful learning that is responsive to the child in the context of family and culture. (C-ID ECE 130) (CSU)

CD-131**Child, Family and Community 3 UNITS**

Recommended Preparation: A "C" grade or higher or "Pass" in Child Development 123 and 125 or equivalent.

3.0 hours lecture

This course examines the socialization process including the role families, school, media, peers, and community play in children's development. Students will learn strategies to support children and families in a diverse society, including how to develop and maintain effective teacher and family relationships. Community resources and agencies that strengthen families will be examined. This course is required by the California State Department of Social Services for teachers and directors. (C-ID CDEV 110) (CSU/UC) (AA/AS-D, CSU-D)

CD-132**Observation and Assessment: Field Experience Seminar 3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in CD 106, 121, 123, 125, 127, 129, 131 and 130 or 143 or equivalent.

Corequisite: CD 133

3.0 hours lecture

This seminar is for the student participating in field experience as a student teacher in early childhood education programs. Students will develop skills in observation and authentic assessment and portfolio development for children and develop positive communication and guidance skills for working with children and families. These skills will be implemented in CD 133. As part of the course students will reexamine professional ethics, responsibilities and expectations of the work force and explore strategies for job search. (C-ID ECE 200) (CSU)

CD-133**Practicum-Field Experience: Student Teaching 2 UNITS**

Prerequisite: A "C" grade or higher in Child Development 106 or equivalent and 121, 123, 125, 127, 129, 130 and 131 or equivalent.

Corequisite: CD 132.

The student teacher will design, implement and evaluate curriculum experiences under supervision, at approved field placement sites. Students will apply previous coursework to make connections between theory and practice, demonstrate professional behaviors and build a comprehensive understanding of children in the group environment. This course emphasizes respectful workplace relationships among children and adults that serve as a foundation for co-construction and positive guidance. (C-ID ECE 210) (CSU) 10 hours work experience per week, 120 volunteer hours or 150 paid hours.

CD-134**Health, Safety and Nutrition of Young Children 3 UNITS**

3.0 hours lecture

This course emphasizes strategies for applying holistic health, safety and nutrition in early childhood settings. This course is designed for teachers, parents or others who desire current information on concepts of health, safety, and nutrition as it applies to children from infancy through school age. This course will cover laws, practices and curriculum regarding physical and mental health, safety, fitness and nutrition. An emphasis on program planning will include collaboration with families and health care providers leading to the development of good habits, attitudes, and responses promoting healthy and safe lifestyles. (C-ID ECE 220) (CSU)

CD-136**Adult Supervision 3 UNITS**

Recommended Preparation: A "C" grade or higher in 12 units of Child Development core curriculum: CD 125 (3 units); CD 131 (3 units); 6 units from CD 121, 123, 127, 129, 143, 130 and/or 153 and currently teaching in a preschool or child care setting in the role of the lead teacher or head teacher or other supervisory capacity.

3.0 hours lecture

This course provides students with the opportunity to develop skills in establishing and maintaining supportive working relationships with adults in early childhood settings. Based on a proactive approach, the course will explore positive communication strategies including team building, collaboration and problem solving. (CSU)

CD-137**Administration of Child Development Programs I 3 UNITS**

Recommended Preparation: "C" grade or higher in 12 units of Child Development core curriculum: CD 125 (3 units); CD 131 (3 units); 6 units from CD 121, 123, 127, 129, 143, 130 and/or 153 and currently teaching in a preschool or child care setting in the role of the lead teacher or head teacher or other supervisory capacity.

3.0 hours lecture

This course is designed for the beginning director of child care and preschool programs. It includes administrative tools, knowledge and techniques needed to organize, open and operate a child development facility. Topics include budget, management, regulatory laws, and development of school policies and procedures. This course is required by the California Department of Social Services and California Department of Education for child care and preschool program directors and site supervisors. (CSU)

CD-138**Administration of Child Development Programs II 3 UNITS**

Recommended Preparation: A "C" grade or higher or "Pass" in Child Development 137 or equivalent.

3.0 hours lecture

This course is designed for the experienced director of childcare and preschool programs. The focus of this class is on human relationships in the professional setting. Included topics are political, fiscal, and working conditions and how they affect turnover and morale of staff; support for families in the program and managing personal growth and development. (CSU)

CD-141

Working with Children with Special Needs **3 UNITS**
 Recommended Preparation: Child Development 124 or 125 or equivalent.
 3.0 hours lecture

The course focuses on strategies for working with children with special needs including physical, neurological and sensory challenges, developmental delays, learning disabilities and giftedness, and emotional and behavioral disorders. With an emphasis on inclusion in the traditional classroom and the childcare setting, this class will include compliance with legislation, observation, identification and referral processes, family involvement, and modification of the environment and curriculum. (CSU)

CD-143

Responsive Planning for Infant/Toddler Care **3 UNITS**
 Recommended Preparation: A "C" grade or higher or "Pass" in Child Development 124 or 125 or equivalent.
 3.0 hours lecture

This course will examine programs, philosophies and components of high quality group care for infants and toddlers. Students will develop planning skills for environments, experiences, and care giving routines that are based on respectful relationships and needs of diverse children and families. Emphasis will be on building relationships between the family, child, and caregiver in the context of linguistic, cultural, socioeconomic, individual family differences, and special needs. (CSU)

CD-144

Baby Signs: Communicating with Infants/Toddlers **1 UNITS**
 1.0 hours lecture

This course is an introduction to gestural communication or "Baby Signs" with normally developing infants and toddlers. Modified sign-language is taught as a means of communication with preverbal or newly verbal children. An emphasis is placed on incorporating gestures into daily routines, play, and song in infant care settings to foster reciprocal and responsive relationships. Strategies for teaching parents about "Baby Signs" and working with children's individual needs are included. (CSU)

CD-145

Child Abuse and Family Violence in Our Society **3 UNITS**
 3.0 hours lecture

Child abuse and neglect, domestic violence, elder abuse and community violence as well as safety and self protection will be examined with an emphasis on how the classroom teacher, foster parents and members of the general public can recognize, prevent, report, and intervene in cases of child abuse and domestic violence. (CSU) (AA/AS-D, CSU-D,E)

CD-153

Teaching in a Diverse Society **3 UNITS**
 3.0 hours lecture

Analysis of the many contexts and variables related to an individual's socialization process and how these forces impact one's work with children and families. This course will examine and discuss topics related to culture, race, ethnicity, religion, gender, socioeconomic status, sexual orientation, special needs, and diverse lifestyles as they are represented in our schools and society at large. This course includes self-reflection as a tool for personal growth. Current social issues will be examined through the lens of global diversity. Students will better understand their own attitudes regarding diversity and apply this knowledge to their work with children and families. (C-ID ECE 230) (CSU)

CD-168

Positive Guidance in Early Childhood Setting **1 UNITS**
 1.0 hours lecture

This course provides teachers and child care providers with the tools to create an environment that supports children's behavior. It addresses the development, social, and cultural understanding of the reasons for children's behavior. Practical classroom strategies including indirect guidance, verbal guidance, positive interaction skills, modeling and problem solving will be explored. The importance of building positive relationships with the family is also included. This course is offered on a Pass/No Pass basis only. (CSU)

CD-169

Helping Children Cope with Crisis and Change **1 UNITS**
 1.0 hours lecture

Children see the world from an entirely different perspective than adults, including how they cope with life's adversities. This class will assist the caregiver (parent, teacher or child care provider) in first, identifying children who may be dealing with a crisis or change in their life that is impacting their wellness, and secondly, offering the adult the tools for helping the child learn to cope with a crisis or change. This course is offered on a Pass/No Pass basis only. (CSU)

CD-174

The Reggio Emilia Approach to Learning: An Introduction **3 UNITS**
 3.0 hours lecture

The Reggio Emilia Preschools and Infant/Toddler programs are recognized as outstanding early childhood programs. This course will provide students with an overview of the principles and classroom applications of the Reggio approach. The role of the teachers, working in collaboration, in daily implementation of a social-constructivist approach will be explored. Students will be provided with information about schools locally and in other areas of the United States implementing the Reggio approach. (CSU)

CD-175

Documenting Children's Learning in Early Childhood Education **3 UNITS**
 Recommended Preparation: Child Development 125 and 174 or equivalent.
 3.0 hours lecture

The preschools and infant/toddler centers of Reggio Emilia, Italy are recognized as examples of best practices in early childhood education. This course will provide students with an in-depth exploration of the process of documentation including the role of the teacher and the use of technology in documenting children's learning. Students will explore the relationship of documentation to the co-construction of curriculum. Classroom activities and assignments will require a student to be actively involved with young children. (CSU)

CD-212**Practicum in Early Childhood Education****3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in CD 123, 125, 130 and 131 or equivalent.

2.0 hours lecture, 3.0 hours laboratory

In this course students will practice and demonstrate developmentally appropriate early childhood program planning and teaching competencies under the supervision of ECE/CD faculty and other qualified early education professionals. Students will utilize practical classroom experiences to make connections between theory and practice, develop professional behaviors, and build a comprehensive understanding of children and families. Child-centered, play-oriented approaches to teaching, learning, and assessment; and knowledge of curriculum content areas will be emphasized as student teachers design, implement, and evaluate experiences that promote positive development and learning for all young children. This course is for the Associate in Arts in Early Childhood Development for Transfer Degree. (C-ID ECE 210) (CSU)

CD-213**Observation and Assessment****3 UNITS**

3.0 hours lecture

This course focuses on the appropriate use of a variety of assessment and observation strategies to document child development and behavior. Child observations will be conducted and analyzed. This course is for the Associate in Arts in Early Childhood Development for Transfer Degree only. (C-ID ECE 200) (CSU)

Chinese (CHIN)

CHIN-120

Chinese I 5 UNITS

5.0 hours lecture

An introductory course to the Chinese language and the culture of its speakers. This course facilitates the practical application of the language in everyday oral and written communication at the beginning novice level. Since the focus will be on basic communication skills, the class will be conducted in Mandarin Chinese as much as possible. While becoming familiar with the Chinese speaking world, students will learn structures that will enable them to function in Chinese in everyday contexts. (CSU/UC) (AA/AS-C, CSU-C2, IGETC-6A)

CHIN-121

Chinese II 5 UNITS

Prerequisite: "C" grade or higher or "Pass" in CHIN 120 or two years of high school Chinese or equivalent.

5.0 hours lecture

This second course will continue to develop oral skills based on practical everyday needs and written skills based on formal communication. (CSU/UC) (AA/AS-C, CSU-C2, IGETC-3B,6A)

CHIN-220

Chinese III 5 UNITS

Prerequisite: "C" grade or higher or "Pass" in CHIN 121 or three years of high school Chinese or equivalent.

5.0 hours lecture

Chinese 220 is the continuation of Chinese 121. The course will continue to develop oral, listening, reading, and writing skills in order to acquire proficiency in Mandarin Chinese. (CSU/UC) (AA/AS-C, CSU-C2, IGETC-3B,6A)

CHIN-221

Chinese IV 5 UNITS

Prerequisite: "C" grade or higher or "Pass" in CHIN 220 or four years of high school Chinese or equivalent.

5.0 hours lecture

Chinese 221 is the continuation of Chinese 220. The course will continue to develop oral, listening, reading, and writing skills in order to acquire proficiency in Mandarin Chinese. (CSU/UC) (AA/AS-C, CSU-C2, IGETC-3B,6A)

CHIN-250

Conversational Chinese I 3 UNITS

Prerequisite: "C" grade or higher or "Pass" in CHIN 121 or three years of high school Chinese or equivalent.

3.0 hours lecture

This course will continue to develop oral, listening, reading, and writing skills with emphasis in oral proficiency in Mandarin Chinese. (CSU/UC) (AA/AS-C, CSU-C2, IGETC-6A)

CHIN-251

Conversational Chinese II 3 UNITS

Prerequisite: "C" grade or higher or "Pass" in CHIN 250 or four years of high school Chinese or equivalent.

3.0 hours lecture

This course will continue to develop oral, listening, reading, and writing skills with emphasis in oral proficiency in Mandarin Chinese. (CSU/UC) (AA/AS-C, CSU-C2, IGETC-6A)

Communication (COMM)

COMM-120

Interpersonal Communication

3 UNITS

3.0 hours lecture

This course provides an opportunity to learn and to apply, in daily life, principles of effective interpersonal communication, effective rhetorical strategies, and public speaking skills. The course explores strategies for improving interpersonal relationships and communication skills by understanding personal, situational, and cultural influences on human communication. Students present speeches and participate in structured oral and written communication relevant to interpersonal interactions. Attention may be given to topics such as situational analysis, perception, identity, rhetorical strategies, disclosure, emotional intelligence, listening, conversation management, relational dynamics, conflict management, and verbal/nonverbal communication skills, including delivery of speeches. (C-ID COMM 130) (CSU/UC) (AA/AS-A2, CSU-A1, IGETC-1C)

COMM-122

Public Speaking

3 UNITS

3.0 hours lecture

This skills-based course provides an opportunity to learn and practice public speaking. Special attention will be given to learning how to prepare, organize and deliver a speech to a diverse audience. Additionally, students will learn techniques for reducing speech anxiety, utilizing visual aids, enhancing listening skills and ethically obtaining and presenting speech content. An introduction to rhetorical theory is included. The skills from this course are relevant in academic, professional, and personal settings. (C-ID COMM 110) (CSU/UC) (AA/AS-A2, CSU-A1, IGETC-1C)

COMM-123

Advanced Public Speaking

3 UNITS

Prerequisite: "C" grade or higher or "Pass" in COMM 122 or equivalent.

3.0 hours lecture

Advanced training in the preparation and delivery of common types of public speaking. There is an emphasis on new theoretical approaches to the process of oral communication. (CSU/UC)

COMM-124

Intercultural Communication

3 UNITS

3.0 hours lecture

The purpose of this course is to explore and learn about intercultural communication: the study of face-to-face communication between people from different cultural backgrounds, including those reflecting national or ethnic diversity. This course will utilize a culture-general approach, meaning that the focus will be in general principles of intercultural communication that are applicable across a broad spectrum of cultures and contexts. (C-ID COMM 150) (CSU/UC) (AA/AS-D, CSU-D, IGETC-4)

COMM-126

Communication Studies: Health and Wellness

3 UNITS

3.0 hours lecture

This introductory course provides students the opportunity to study and to apply principles and practices of health communication in a variety of contexts. Students will explore ways in which we communicate about health, cope with health-related problems, and influence one another's health-related behaviors. Specifically, topics cover provider-patient interaction, health and identity, the role of culture in health, health literacy, health in the work place, support networks, empathy, listening, and health campaigns. This course benefits all students interested in communication studies. The overall goal for this course is to prepare students to communicate effectively in their roles as health citizens, patients, personal and professional caregivers or healthcare providers. (CSU)

COMM-128

Global Communication

3 UNITS

3.0 hours lecture

This interdisciplinary course is a classroom-to-classroom exchange that offers participants the opportunity to grow as global citizens by developing relationships with students at a college in another country. The course merges the Communication, Education, and Information Technology disciplines to form a global communication content base that focuses on the improvement of cross-cultural communication skills. The principles of Cognitive Education Theory set the constructivist mode for the course, while the Theory of Technological Change takes the student on a historical journey of the evolution of technology from data processing to its current form, the merging of minds, technology and human-environment interaction. Theories from the communication field are the foundation for the real cross-cultural interaction that takes place in the course as well as the analysis of real life cultural context situations. Emphasis is placed on global factors that have brought cultures into frequent contact, specifically in the education, business and healthcare contexts, and how cultural and technological factors influence interaction in these environments. (CSU/UC) (AA/AS-D, CSU-D)

COMM-130

Fundamentals of Human Communication

3 UNITS

3.0 hours lecture

A survey of the theory, basic principles, and methods of human communication with emphasis on improving speaking and listening in public speaking, interpersonal and group context. (CSU/UC) (AA/AS-A2, CSU-A1, IGETC-1C)

COMM-135

Oral Interpretation of Literature

3 UNITS

3.0 hours lecture

This course provides both a theoretical and a practical exploration of the oral interpretation of literature. Attention is given to art appreciation, art criticism, and analysis as it relates to the performance of literature in various genres. The oral interpretation of traditional literary genres of poetry, prose, and drama is practiced, as well as newer and more diverse modes of expression such as spoken word and other cultural forms of artistic expression. Emphasis is on the effective interpretation, communication, and performance of various literary works. (C-ID COMM 170) (CSU/UC) (AA/AS-C)

COMM-136**Readers Theatre****3 UNITS**

3.0 hours lecture

The course is designed to provide training in the theory, concepts and history of Readers Theatre. The course covers principles of literature selection, analysis, adaptation, direction, and presentation, as well as literary methods and modes of narration. (CSU/UC) (CSU-C2)

COMM-137**Critical Thinking in Group Communication****3 UNITS**

3.0 hours lecture

This course is designed to assist students in the development of critical thinking and decision making skills in the small group communication context. There is an emphasis on the basic elements of critical thinking, such as evidence, reasoning, and language. In addition to examining these basic elements, students become familiar with leadership strategies, problem solving techniques, discussion plans and conflict management as applicable in groups. (C-ID COMM 140) (CSU/UC) (AA/AS-C, CSU-A3)

COMM-144**Communication Studies: Race and Ethnicity****3 UNITS**

3.0 hours lecture

This course provides both a theoretical and a practical exploration of communication, race, and ethnicity in the general context of U.S. culture, with a focus on race and ethnicity in popular culture and the arts. Attention is given to how contemporary and historical constructions of race and ethnicity influence both popular and everyday communication interactions. Emphasis is on developing communication competence in situations where perceived racial or ethnic difference factors into successful communication outcomes. (CSU/UC) (AA/AS-C, CSU-C2,D, IGETC-3B,4)

COMM-145**Argumentation****3 UNITS**

3.0 hours lecture

This course emphasizes the construction and analysis of public argument. The course covers the theory of argument, the processes and development of arguments and the application of argument to decision-making. Topics include: methods of critical inquiry and advocacy; identifying fallacies in reasoning and language; testing evidence and evidence sources; advancing a reasoned position; and defending and refuting arguments. Analysis, presentation, and evaluation of oral and written arguments are emphasized. (C-ID COMM 120) (CSU/UC) (AA/AS-C, CSU-A3)

COMM-238**Speech and Debate Competition I****1 UNITS**

1.0 hours lecture, 1.0 hours laboratory

This is the introductory course to intercollegiate forensics - Grossmont's Speech and Debate Team. It is designed to give students preparation procedures for competitive speech/debate tournaments. Students will learn the requirements for the four major areas of competitive speaking: public address, oral interpretation, impromptu/extemporaneous speaking, and debate. The student will be required to participate or observe at one tournament or public speaking activity. (CSU)

COMM-239**Speech and Debate Competition II****2 UNITS**

2.0 hours lecture, 1.0 hours laboratory

This course is designed for the student to compete in intercollegiate speech and debate tournaments, through the Grossmont Speech and Debate Team. Students will develop speech performance skills by selecting areas of emphasis which include public speaking, oral interpretation or debate events. This course requires competition in at least one tournament or public speaking activity. (CSU)

COMM-240**Speech and Debate Competition III****3 UNITS**

2.0 hours lecture, 3.0 hours laboratory

This course is designed for students to develop speaking and argumentation skills by competing in multiple intercollegiate speaking competitions, festivals or public events as members of the Grossmont Speech and Debate Team. Emphasis is on group and oral performance for team competition at state and national tournaments. Students will focus on multiple events from parliamentary debate, platform speaking, extemporaneous speaking, or oral interpretations events. Competition at two or more tournaments or public speaking activities required. (C-ID COMM 160B) (CSU)

COMM-241**Speech and Debate Competition IV****3 UNITS**

2.0 hours lecture, 3.0 hours laboratory

This course is designed for the student who has competed in intercollegiate forensics tournaments, and wants to focus on one or more specific areas of emphasis as a member of the Grossmont Speech and Debate Team. Team leadership skills, debate theory, research analyzing political and social issues, directing and writing of readers theatre, and coaching skills, may be selected as possible focus areas. Competition at three or more tournaments or public speaking activities required. (CSU)

Computer Science Information Systems (CSIS)

CSIS-070

Drone Flight School

0 UNITS

Prerequisite: Students must be at least 18 years or older and must meet eligibility requirements under FAA 107 guidelines.

7.0 hours laboratory

The Drone Flight School course prepares students for the FAA 107 Drone Pilots license examination. Course consists of FAA rules and regulations, safety protocols, drone flight controllers, and drone flight theory. Upon obtaining license, students will receive hands-on flight training where student applies flight theory to hands-on practical flight training and basic aerial photography and cinematography. The course will also provide an introductory training to various other drone industry areas.

CSIS-071

Drone Cinematography

0 UNITS

Prerequisite: Must have FAA 107 Drone Pilots License.

5.0 hours laboratory

The Drone Cinematography course provides 80 hours of instruction and hands-on flight training. This course covers both basic and advanced cinematography techniques with an emphasis on developing "lifestyle" shots and a creative mindset. The theory and operations of both standard and advanced/precision camera shots is combined with operational scenarios in order to provide students with the ability to match specific and advanced flight profiles for the shots needed.

CSIS-072

Drone Surveying & Mapping

0 UNITS

Prerequisite: Must have FAA 107 Drone Pilots License.

5.0 hours laboratory

This course presents the theory and operations of common sensors used by the operators of unmanned aircraft systems in different industrial applications. Theory is combined with operational scenarios, and flying actual missions. Ample flight time is provided in order to fully train the student with the ability to match specific sensors with anticipated missions. Operator will be versed in all operations as listed, and will be industry ready upon completion. This course teaches pilots how to do precision mapping missions and data collection for industry.

CSIS-105

Introduction to Computing

3 UNITS

2.0 hours lecture, 3.0 hours laboratory

This is an introductory small computing course for those desiring beginning computer knowledge and skills. It includes an overview of a typical personal computer system including input and output devices, the processor, and storage devices. Also included is hands-on experience with a computer and popular application software, including Microsoft Word, Excel, Access and PowerPoint. Emphasis will be placed on those skills and knowledge needed to use and maintain a home or small business computer. (CSU)

CSIS-110

Principles of Information Systems

4 UNITS

3.0 hours lecture, 3.0 hours laboratory

An introductory course in Information Technology with an emphasis on business and business-related applications. Concepts include computer organization, data processing systems, decision support systems, systems analysis and design, as well as ethics, security, e-commerce, global information systems and application software. The laboratory component consists of hands-on problem solving using software applications including spreadsheets and databases. (C-ID BUS 140 and ITIS 120) (CSU/UC)

CSIS-111

Beginning Web Page Design

1.5 UNITS

1.0 hours lecture, 1.5 hours laboratory

A beginning web site creation course emphasizing creation and implementation using current web authoring software. This course is intended for the beginner at web page creation. This class provides hands-on instruction in the use of one or more state-of-the-art software website builder tools for creating simple business or personal web sites. This class will cover the essential skills involved in developing, modifying and publishing web sites utilizing modern technology. (CSU)

CSIS-112

Windows Operating System

3 UNITS

3.0 hours lecture

This course introduces the Microsoft Windows family of operating systems concentrating primarily on the most current version. Coverage begins with the desktop graphical user interface and ends with the configuration and maintenance of Windows as might be required of a home or small business user. Topics will include hardware and software installation maintenance, networking, mobile computing, security and file sharing, administrative tools, scripting and batch files, and maintenance and performance tuning. The course will also cover file systems, storage devices, communication devices, command line options, registry repairs, disaster recovery, and troubleshooting. (CSU)

CSIS-113

Introduction to Linux

3 UNITS

Recommended Preparation: "C" grade or higher or "Pass" in CSIS 110 and 112 or equivalent.

3.0 hours lecture

This course provides a solid framework into the concepts, installation, and configuration of server Operating System (OS). Topics include understanding of the desktop environments used in the server environment. It describes ways of exploring and understanding of the OS. It demonstrates the system administration tasks and how they are used to provide support for multiple users. It describes issues related to security and shows how to automate tasks through shell scripting. (CSU)

CSIS-119**Introduction to Computer Programming****3 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in CSIS 110 and 112 or equivalent.

3.0 hours lecture

An introductory course in computer programming as a foundation for more advanced programming, computer science, computer networking, or software engineering courses. Emphasis is on the development of problem solving skills as it introduces students to computer programming principles and best practices using modular and Object Oriented programming concepts. Attention is given to development of effective software engineering practices emphasizing such principles as analysis and design decomposition, encapsulation, procedural abstraction, testing and software reuse. Students learn and apply standard programming constructs, problem-solving strategies, the concept of an algorithm, fundamental data structures, and the machine representation of data. (CSU/UC)

CSIS-120**Computer Maintenance and A+ Certification****3 UNITS**

2.0 hours lecture, 3.0 hours laboratory

Preparation for the A+ Certification exam, an industry-sponsored test that establishes a benchmark level of knowledge and competence expected of computer service technicians in entry-level positions. A+ Certification also serves as the foundation for computer service professionals who are pursuing other valuable industry certifications such as the Cisco Certified Networking Associate (CCNA), Network+, and Microsoft Certified Professional (MCP). Students will gain a comprehensive knowledge base in computer hardware, DOS and Windows operating system, networking basics, printers, and customer service. Hands-on labs using the latest computer components and operating systems provide an opportunity for students to enhance their skills in assembling, disassembling, servicing, troubleshooting, and upgrading advanced computer and networking systems. (CSU)

CSIS-121**Introduction to Cybersecurity****3 UNITS**

2.0 hours lecture, 3.0 hours laboratory

Practical introductory course intended for those interested in learning about cybersecurity. Lectures, laboratories, and practical assignments will emphasize skills to work effectively in the area of cybersecurity. Some topics include: Internet security basics, hackers, spyware, phishing, spam, zombies, Trojan horses, worms, viruses, wi-fi security, denial-of-service, web-blocking, firewalls, proxy servers, operating system security, browser and web security, and cryptography. Includes installation and configuration of security tools and utilities. (CSU)

CSIS-125**Network + Certification****3 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in CSIS 110 or CSIS 120 or equivalent.

2.0 hours lecture, 3.0 hours laboratory

Practical course intended for those interested in learning computer networking with an emphasis on earning the Computing Technology Industry Association's (CompTIA) Network+ certification, a foundation-level, vendor-neutral international industry credential that validates the knowledge of networking professionals. Earning this certification demonstrates that a candidate can describe the features and functions of networking components, and possesses the knowledge and skills needed to install, configure and troubleshoot basic networking hardware, protocols and services. It also indicates technical ability in the areas of media and topologies, protocols and standards, network implementation, and network support. Throughout the course, theory will be demonstrated and practiced in laboratory exercises. Lectures, laboratories, and practical assignments will emphasize skills needed to work effectively in the networking environment and to earn the Network+ certification. (CSU)

CSIS-130**Windows Server: Installing and Configuring****2 UNITS**

Prerequisite: "C" grade or higher or "Pass" in CSIS 112 or equivalent.

1.0 hours lecture, 3.0 hours laboratory

Comprehensive hands-on system administration course focusing on the installation, initial implementation, and configuration of Windows server software core services, including: Active Directory (AD) Domain Services, local storage, file and print services, group policy and server virtualization technologies. (CSU)

CSIS-132**Introduction to Web Development****3 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in CSIS 105 or 110 or equivalent.

2.0 hours lecture, 3.0 hours laboratory

This course surveys and introduces web design and development fundamentals, involving key technologies and skills used in website construction alongside hands-on coding experience. Best practices in coding and debugging HTML and CSS will be emphasized along with the use of modern CMS systems such as WordPress. Other topics will include web terminology, technology and careers, website development platform options, code editors, and web graphics. (CSU)

CSIS-133**Intermediate Web Development****3 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in CSIS 132 or equivalent.

2.0 hours lecture, 3.0 hours laboratory

This course builds on the skills introduced in Introduction to Web Development with hands-on projects that reinforce and further develop HTML5 and CSS3 expertise. Mobile development is addressed in detail. Also covered are content management systems (CMS), Search Engine Optimization (SEO), and usability issues. (CSU)

CSIS-135**JavaScript Programming****3 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in CSIS 133 or equivalent.

2.0 hours lecture, 3.0 hours laboratory

An introductory course in JavaScript programming focusing on creating dynamic web pages. The course will include embedding JavaScript in HTML, event-handling, writing, and calling JavaScript functions, as well as exploring jQuery and its relationship to JavaScript. (CSU)

CSIS-145**Introduction to TCP/IP****2 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in CSIS 125 or equivalent.

2.0 hours lecture

This course introduces the student to the operation of the Transmission Control Protocol/Internet Protocol (TCP/IP) standard and related protocols. The course will cover the underlying components and protocols that make up the Internet. Tools used to navigate and access information on the Internet will be studied. (CSU)

CSIS-147**Social Media and Internet Marketing****3 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in BUS 146 and CSIS 132 or equivalent.

3.0 hours lecture

This course will provide students with skills to achieve online marketing success in social media and integrate their Web presence with offline traditional marketing methods. The course will provide students with a basic working knowledge of methods used to help drive traffic to a web site, attract visitors and turn them into customers. Students will develop search engine optimization skills as well as explore search engine marketing, social media marketing, affiliate marketing, directory submission, and email marketing. Students will learn how to compete in new internet marketing channels, employ market research, acquire traffic, and track visitor trends. (CSU)

CSIS-151**Introduction to Photoshop****3 UNITS**

3.0 hours lecture

This course provides the student with step-by-step instructions on how to create cutting-edge graphics and special effects with Photoshop. Using hands-on real world projects, the student will learn the optimal use of layers, layer effects, photo retouching, color adjustments, working with masks and layers, and composites. The student will learn how to create images of different formats for different applications and how to create files for the array of digital devices available today. This is not an artistic design course, but emphasizes tools used by the Photoshop software application. (CSU/UC)

CSIS-160**Introduction to Video Game Development****3 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in CSIS 110 or 105 or equivalent.

3.0 hours lecture

This course provides an introduction to the theory and practice of video game design and development. Students will survey the historical, technological, business, social and psychological aspects of the video gaming industry; analyze popular PC, handheld, and console games; understand the roles of the development team members; and design and create their own game using an existing game engine. (CSU)

CSIS-161**Intermediate Video Game Development****3 UNITS**

Recommended Preparation: A "C" grade or higher or "Pass" in CSIS 160 or equivalent.

3.0 hours lecture

This course will provide students with the theory and practice of computer game design and development. Students will build on their knowledge of PC and console game theory, designing and creating their own games. This course will emphasize game story development and game character development as it pertains to designing a viable video game project. Sprite animation, input controls and sound programming will be covered. Students will be introduced to 3D animation software. This course is intended for non-computer programmers. (CSU)

CSIS-165**Assembly Language and Machine Architecture****4 UNITS**

Prerequisite: "C" grade or higher or "Pass" in CSIS 293 or CSIS 296 or equivalent.

3.0 hours lecture, 3.0 hours laboratory

This is an introductory course in assembly language programming and machine architecture for small computers. Topics covered include number theory, registers, memory, CPU, linkers, debuggers, basic language syntax and high-level language/operating system interface. This course is intended for persons with a prior background in any other programming language and will emphasize those applications not easily performed using higher-level languages. (C-ID COMP 142) (CSU/UC)

CSIS-180**Fundamentals of Database Design****3 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in CSIS 110 or equivalent.

3.0 hours lecture

This course introduces the student to fundamental design strategies of relational data models for organizations. Concepts will include assessing organizational needs, logical design and application generating tools, normalization strategies, database architectures, data models, integrity rules, and query formulation skills. Students will formulate, design, implement, and manipulate databases using a commercial software package. (CSU)

CSIS-195**Video Editing on the PC****3 UNITS**

Recommended Preparation: A "C" grade or higher or "Pass" in CSIS 105 or 110 or equivalent.

3.0 hours lecture, 1.0 hours laboratory

This course introduces the fundamentals of a non-linear video editing software application using a personal computer. This is a hands-on course in which students will gain practical experience in editing digital footage. Students will learn how to import, edit, and output high quality professional video with titles and effects. Editing techniques such as re-cutting scenes, mixing audio, adding labels and animation, editing the timing and flow of the video and more will be covered. (CSU)

CSIS-213**Linux System Administration****3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in CSIS 113 or equivalent.

2.0 hours lecture, 3.0 hours laboratory

Comprehensive hands-on application and instruction in multi-user, multi-tasking operating systems and networked operating systems. Topics include: operating system installation and configuration, storage configuration and management, server security configuration, user and group management, configuration and management of various server roles (such as: LDAP, DNS, DHCP, Print, Mail, Samba, Apache), troubleshooting, and disaster recovery. Course maps to the Linux Professional Institute (LPI) Certification Level 2 exam. (CSU)

CSIS-230**Windows Server: Administering****2 UNITS**

Prerequisite: "C" grade or higher or "Pass" in CSIS 130 or equivalent.

1.0 hours lecture, 3.0 hours laboratory

Comprehensive hands-on system administration course focusing on the administration tasks essential to administering a Window server infrastructure, including user and group management, network access, and data security. (CSU)

CSIS-240**Discrete Structures****3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in CSIS 293 or equivalent.

3.0 hours lecture

This course is an introduction to the discrete structures in computer science with an emphasis on their applications. Topics covered include: Functions, Relations and Sets; Basic Logic; Proof Techniques; Basics of Counting; Graphs and Trees; and Discrete Probability. (C-ID COMP 152) (CSU/UC) (CSU-B4)

CSIS-250**Introduction to Python Programming****4 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in CSIS 119 or equivalent.

3.0 hours lecture, 3.0 hours laboratory

This is an introductory course in Python programming. Topics covered include basic language syntax, functions, control flow, looping, data types, strings, lists, dictionaries, exception handling, software tools and libraries, and functional vs object oriented programming concepts. This course is intended for persons with a prior background in any programming language. (CSU/UC)

CSIS-251**Intermediate Python Programming and Fundamental Data Structures****4 UNITS**

Prerequisite: "C" grade or higher or "Pass" in CSIS 250 or equivalent.

3.0 hours lecture, 3.0 hours laboratory

This course is the continuation of CSIS 250. Topics covered include: Multithreading, Recursion, Network Programming, Client/Server Programming, Searching, Sorting, Big-O Notation, Complexity Analysis, Collections, Arrays and Linked Structures, Interfaces, Implementations, Polymorphism, Inheritance and Abstract Classes, Stacks, Queues, Lists, Hash Tables, Trees, Sets, Dictionaries, and Graphs. Applications in Business Intelligence, Machine Learning, Cybersecurity, Autonomous Systems, Big Data, and Data Science. (CSU/UC)

CSIS-255**Introduction to Programmable Logic Controllers****4 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in CSIS 250 or equivalent.

3.0 hours lecture, 3.0 hours laboratory

An introductory course in Programmable Logic Controller with an emphasis on industrial automation and related applications. Concepts include automation processing systems, input/output decision support systems; basic electronic circuits, ladder logic, basic analog circuit, Boolean logic, digital circuit; introduction to Raspberry Pi as the automation computer and Arduino as open source Programmable Automation Controller (PAC); typical examples of automation using Python to build Human Machine Interface HMI. The laboratory hands-on component consists of hands-on familiarization, diagnostics and solving automation setup and operational problems. (CSU/UC)

CSIS-263**Security + Certification****3 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in CSIS 125 or equivalent.

2.0 hours lecture, 3.0 hours laboratory

Entry-level course in network security that addresses the various aspects of designing and implementing a secure network. Designed for students interested in understanding the field of network security and how it relates to other areas of Information Technology (IT). Covers materials included in the CompTIA (Computing Technology Industry Association) Security+ exam. (CSU)

CSIS-264**Ethical Cybersecurity Hacking****3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in CSIS 263 or equivalent.

2.0 hours lecture, 3.0 hours laboratory

This course immerses IT professionals in hands-on intensive environments, providing in-depth knowledge and experience with current essential security systems. Provides understanding of perimeter defenses and leads to scanning and attacking networks; no real networks are harmed. Students learn how intruders escalate privileges and the steps to be taken to secure a system. Also covers Intrusion Detection, Policy Creation, Social Engineering, DDoS Attacks, Buffer Overflows, and Virtual Creation. Focus includes legal and regulatory requirements, ethical issues, basic methodology and technical tools used for ethical hacking and penetration tests. Students establish a pre-test agreement with the enterprise, discover and exploit vulnerabilities, participate as a member of a pen test team and prepare a penetration test report. (CSU)

CSIS-265**Computer Forensics Fundamentals****3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in CSIS 264 or equivalent.

2.0 hours lecture, 3.0 hours laboratory

This course introduces the methods used to properly conduct a computer forensics investigation. Topics include ethics, computer forensics as a profession, the computer investigation process, operating systems boot processes and disk structures, data acquisition and analysis, technical writing, and a review of familiar computer forensics tools. (CSU)

CSIS-276**Introduction to SQL****3 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in CSIS 110 or equivalent.

3.0 hours lecture

This is an introductory course in Structured Query Language (SQL) programming intended for persons with basic computer literacy skills. The course is designed to teach students the fundamentals of good relational database design and how to use and maintain a database using the industry-standard data query and manipulation language SQL. Students will use SQL to create tables, keys and indexes, handle security in the database; and perform simple and complex queries. (CSU)

CSIS-290**Introduction to C# Programming****4 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in CSIS 119 or equivalent.

3.0 hours lecture, 3.0 hours laboratory

This course is designed to provide students with an introduction to C# programming in the Visual Studio integrated development environment. Emphasis will be on learning the fundamentals including sequence, decision and repetition. The course will also focus on object-oriented design, testing and debugging on a Windows .NET platform. (CSU/UC)

CSIS-291**Intermediate C# Programming****4 UNITS**

Prerequisite: "C" grade or higher or "Pass" in CSIS 290 or equivalent.

Recommended Preparation: A "C" grade or higher or "Pass" in CSIS 132 or equivalent.

3.0 hours lecture, 3.0 hours laboratory

This course is designed to provide students with intermediate problem-solving and computer design, primarily in a web-based environment using Microsoft C# and ASPX. (CSU/UC)

CSIS-293**Introduction to Java Programming****4 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in CSIS 110 and 119 or equivalent.

3.0 hours lecture, 3.0 hours laboratory

An introductory course in Java programming focusing on object-oriented methodology. The course will include developing fundamental programming constructs, using objects from the standard Java Class Library, writing and using new objects, developing inheritance hierarchies of classes, using polymorphism to build extendible systems, and performing the subsequent testing and debugging of these programs. (C-ID COMP 112 and COMP 122) (CSU/UC)

CSIS-294**Intermediate Java Programming and Fundamental Data Structures****4 UNITS**

Prerequisite: "C" grade or higher or "Pass" in CSIS 293 or equivalent.

3.0 hours lecture, 3.0 hours laboratory

This course is the continuation of CSIS 293. Students will concentrate more on the Java techniques available for the development of large, complex systems. Students will utilize the concepts of Abstract Data Type to analyze real world requirements and design class structures to meet those requirements. In particular, students will apply these skills to the understanding and use of Data Structures. The course will progress from arrays, to linear lists, to stacks, queues, deques, and trees. Big-Oh notation will be introduced and used for the analysis and comparison of algorithms to perform sorting and searching of the structures. Students will become familiar with design techniques and tools (such as UML) necessary to develop larger programs. Instruction will also focus on object oriented programming and its principles of polymorphism, encapsulation, inheritance, collection classes and iteration protocols. Recursion and recursive data searching techniques will also be utilized in the creation of efficient, optimized algorithms. (C-ID COMP 132) (CSU/UC)

CSIS-295**Android Application Development with Java****3 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in CSIS 293 or equivalent.

2.0 hours lecture, 3.0 hours laboratory

This course is intended to give the student basic and intermediate skills in the development of applications for any Android powered smart phone. Students will utilize the Java programming language and a modern Integrated Development Environment (IDE) to analyze and design real world applications. They will become skilled in use of the Android Application Programming Interfaces (API's) to develop applications that exhibit and/or utilize desirable attributes such as: 1) retrieving Internet data via REST web services; 2) use of Google Maps; 3) location awareness with the ability to utilize/the phone's GPS APIs; 4) complex Graphic User Interfaces (GUI) based on and using Android widgets; 5) development of and/or integration with telephony and networking applications; 6) sprite animation; 7) open GL graphics; 8) game development using existing game engines. (CSU)

CSIS-296**Introduction to C++ Programming****4 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in CSIS 119 or equivalent.

3.0 hours lecture, 3.0 hours laboratory

This is an introductory course in C++ programming. Topics covered include basic language syntax, functions, data types, pointers, strings, structures, software tools, and an introduction to classes. This course is intended for persons with a prior background in any programming language. (CSU/UC)

CSIS-297**Intermediate C++ Programming****4 UNITS**

Prerequisite: "C" grade or higher or "Pass" in CSIS 296 or equivalent.

3.0 hours lecture, 3.0 hours laboratory

This second course in C++ programming explores some of the more advanced concepts of the language including object oriented programming, error handling, and data structures. (CSU/UC)

Counseling (COUN)

COUN-095

Academic and Financial Aid Planning

0.5 UNITS

0.5 hours lecture

This course will familiarize students with: (a) financial aid resources available to them to meet educational expenses; (b) Grossmont College's Financial Aid Satisfactory Academic Progress policy; (c) federal/state regulations for determining and maintaining eligibility for financial aid eligibility; (d) the student's rights and responsibilities in receiving aid. Students will learn how to prepare an income and expense budget. They will receive an overview of campus resources. Finally, they will develop a two-year Student Educational Plan to meet their objectives. This course is offered on a Pass/No Pass basis only. (Non-degree credit course)

COUN-104

Introduction to College Success Strategies

1 UNITS

1.0 hours lecture

This course is designed to equip students with the skills they need to be successful in college. An overview of college expectations, student responsibilities, successful student behavior, and study skills will be presented. Students will be exposed to strategies for goal setting, educational planning, time management, textbook reading, note-taking, and test preparation. They will also be introduced to degree/transfer programs and campus resources.

COUN-110

Career Decision Making

1 UNITS

1.0 hours lecture

Lecture, group discussion, experiential activities and vocational assessment tools will be utilized to assist students in identifying their individual interests, values, and personality styles. Students will conduct educational and career research that will help them relate their vocational assessment results to setting academic and career goals. Students will learn essential skills to getting a job; resume formats, job application and interviewing techniques. (CSU)

COUN-120

College and Career Success

3 UNITS

3.0 hours lecture

Learn how to be successful in college by improving study skills such as textbook reading and marking, note-taking, listening to lectures, managing time, studying for tests and improving memory. Additional success topics include exploring motivation and attitudes, managing stress, developing creativity, improving communications and relationships, and maintaining optimum health. Discover your values, interests, aptitudes and personal strengths in order to plan your education and a successful career. (CSU/UC) (CSU-E)

COUN-130

Study Skills and Time Management

1 UNITS

1.0 hours lecture

This course is designed to prepare students to adjust to the academic community by learning to plan and study effectively within given time limitations. Strategies include: time management, textbook mastery, library research skills, note-taking, exam preparation, goal-setting, and stress reduction and educational planning. (CSU)

COUN-137

Maximize Your Learning

0.5 UNITS

0.5 hours lecture

An interactive and cooperative learning approach designed to explore, discuss and implement proven strategies to enhance success in college. The course will review study skills and emphasize developing a student educational plan to achieve expected outcomes in college and beyond. This course is offered on a Pass/No Pass basis only. (CSU)

COUN-198

Supervised Tutoring

0 UNITS

2-24 hours laboratory

Course utilizing supportive information and educational tools to assist students with a variety of learning needs. This course could be used to strengthen foundational skills prior to in specific courses or to receive supportive assistance in enrolled courses. The course may be repeated. This is a no fee/no credit course.

Culinary Arts (CA)

CA-105

Home Cooking Essentials

2 UNITS

1.0 hours lecture, 3.0 hours laboratory

A course for the home cooking enthusiast who wants to learn and apply scratch cooking to various breakfast/brunch items, appetizers, entrées and desserts. Includes proper sanitation, knife skills, seasonal meal planning, cultural food diversity and costing. This course is offered on a Pass/No Pass basis only. (CSU)

CA-160

Banquet Service Production

3 UNITS

Prerequisite: "C" grade or higher or "Pass" in CA 171 or equivalent.

2.0 hours lecture, 3.0 hours laboratory

Principles and application of banquet food preparation and production for on-campus dining facility. This restaurant service class emphasizes planning, practicing and serving guests a weekly 4-course meal. Cooking skills acquired in previous culinary classes will be practiced and applied as well as sanitation and time utilization. Setting up a dining room and guest services will be examined and applied. (CSU)

CA-163

Food Purchasing for Culinary Arts

1 UNITS

1.0 hours lecture

This course covers food purchasing policies, laws, and methods used currently in the food service industries. Focus will be on evaluating food quality requirements, selecting vendors, pricing decisions and purchasing ethics. (CSU)

CA-164

International Cooking

3 UNITS

Prerequisite: "C" grade or higher or "Pass" in Culinary Arts 165, 169 or equivalent.

2.0 hours lecture, 3.0 hours laboratory

A course exploring various international and ethnic food patterns and food preparation techniques. Economic, agricultural, religious, historical and nutritional aspects of foods from a variety of world cultures will be examined. Emphasis will be on preparation of popular dishes from different cultures that impact culinary arts today. (CSU/UC)

CA-165

Sanitation for Food Service

1 UNITS

1.0 hours lecture

A basic course in food service sanitation leading to a National Restaurant Association Food Handlers' certificate. Instruction covers microbiology of food borne illnesses, prevention techniques, personal sanitation practices, housekeeping and waste disposal. Food safety and storage information includes receiving and storage techniques, sanitary food production, sanitation of kitchen, dining rooms, legal regulations and safety considerations as well as training techniques. (CSU)

CA-166

Menu Management

1 UNITS

1.0 hours lecture

Introduction and application of principles of basic menu management for the food service industry. Emphasis will be on nutrition and menu planning, styles, pricing, recipe costing, pricing and marketing. Basic math skills will be used to analyze cost, and prepare recipes, conversions and formulas that will provide necessary skills for other culinary arts courses. (CSU)

CA-167

Wines of the World

3 UNITS

3.0 hours lecture

An introduction to the various kinds and types of wines produced in the world. The course content includes the history of wine, classification of wine, production practices, and food and wine relationships. This class is open to all students 21 years or older who desire a background in enology, especially culinary arts students. (CSU)

CA-169

Essential Skills for Culinary Arts

3 UNITS

2.0 hours lecture, 3.0 hours laboratory

Introduction and application of the principles of essential culinary arts skills. Emphasis will be on sanitation practices, knife skills, product identification, basic cooking techniques, tasting and seasoning, proper equipment use and good time management. These essential skills will be used to prepare recipes and formulas that will provide necessary cooking skills for other culinary arts courses. (CSU)

CA-170

Food Service Management

3 UNITS

3.0 hours lecture

This course is designed to prepare students to enter the professional field of food management through self-employment and off-premise events. Students will be introduced to the catering and personal chef industry including menu development, kitchen organization, cost accounting, service, rentals, staffing, contracts, legal requirements, advertising, promotion and client retention. (CSU)

CA-171

Intermediate Culinary Skills

3 UNITS

Prerequisite: "C" grade or higher or "Pass" in Culinary Arts 165 and 169 or equivalent.

2.0 hours lecture, 3.0 hours laboratory

This course will build on previous knowledge gained in Essential Skills for Culinary Arts and increase proficiency in classical and contemporary cooking techniques and plating presentations. Emphasis will be meat and fish fabrication, fundamentals of breakfast, brunch and lunch items, garde manger, grilling and line cooking. (CSU)

CA-172

Principles of Soup, Stock and Sauce Preparation

3 UNITS

Prerequisite: "C" grade or higher or "Pass" in Culinary Arts 165 and 169 or equivalent.

2.0 hours lecture, 3.0 hours laboratory

This course explores the fundamentals of making meat, fish and vegetable stocks as the building blocks for traditional and specialty soups. Classic French sauces will be covered as well as contemporary salsas, nages, flavored oils, foams and compound butters. (CSU)

CA-173

Principles of Buffet and Catering

3 UNITS

Prerequisite: "C" grade or higher or "Pass" in Culinary Arts 165 and 169 or equivalent.

2.0 hours lecture, 3.0 hours laboratory

This course will include methods and procedures needed for traditional and family style banquets, buffets, tray passed platters, action and raw bar stations. Modern techniques in molecular gastronomy and mocktails will also be introduced. Students will practice traditional and modern themes of banquet services along with a variety of station and table presentations. Logistics such as budgeting, equipment, staff and functional space for off-site buffets and catering will be explored. (CSU)

CA-174**Principles of Baking and Pastry Making****3 UNITS**

Corequisite: A "C" grade or higher or "Pass" or concurrent enrollment in CA 165.

2.0 hours lecture, 3.0 hours laboratory

This course introduces fundamental baking and pastry techniques used as the building blocks for a variety of pastries and desserts. Emphasis is placed on sanitation, professionalism, organization, kitchen equipment, ingredients, recipe analysis and technique, consistency of product, and teamwork. (CSU)

CA-175**Healthy Lifestyle Cuisine****3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in Culinary Arts 165 and 169 or equivalent.

2.0 hours lecture, 3.0 hours laboratory

This course builds on skills and techniques learned and practiced in previous culinary arts classes. Emphasis is on understanding nutritional concepts, creating healthy eating patterns, developing healthy recipes and exploring alternative ingredients. Preparations for healthy lifestyles include soups, salads and appetizers to main courses for breakfast, brunch, lunch and dinner. Healthy alternative desserts will also be explored. (CSU)

CA-176**Advanced Baking and Pastry Arts****3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in Culinary Arts 165 and 174 or equivalent.

2.0 hours lecture, 3.0 hours laboratory

This course will build on previous building blocks learned in Principles of Baking and Pastry Making and increase technical proficiency. Students will explore and demonstrate a broad spectrum of classical and modern applications for seasonal plated desserts, petit fours and yeast breads. Emphasis will be placed on planning and executing dessert menus utilizing organizational and time management skills for weekly campus restaurant service. Flavor/texture pairings and theory will be covered in this course. (CSU)

CA-177**Commercial Baking****3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in CA 165 and 174 or equivalent.

2.0 hours lecture, 3.0 hours laboratory

Students will design and execute a broad spectrum of petit fours, breads and plated desserts for weekly on-campus banquet service. Emphasis will be placed on classical and modern techniques, organization, time management and production standards. Constructing a seasonal commercial dessert menu will be introduced and analyzed. (CSU)

CA-178**Garde Manger****3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in CA 165 and 169 or equivalent.

2.0 hours lecture, 3.0 hours laboratory

This course is designed to prepare students in cold food preparations such as salads, dressings, hors d'oeuvres, appetizers, canapés, pâtés, terrines, cold mousses and marinades. Students will be introduced to fruit and vegetable carving as well as a variety of other functional garnishes ideas for composed dishes and platters. (CSU)

CA-180**Advanced Food Preparation for Fine Dining****3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in CA 171 or equivalent.

2.0 hours lecture, 3.0 hours laboratory

Training in advanced principles of food preparation and service for on-campus restaurant. Special instruction and practice for both classical and contemporary food preparation as related to fine dining establishments including hotels and restaurants. (CSU)

CA-183**Pastry Skills in Bread Baking****3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in CA 165 and 174 or equivalent.

2.0 hours lecture, 3.0 hours laboratory

The course will build on previous knowledge and increase proficiency in baking techniques for the production of artisan breads. Students will explore and demonstrate a broad spectrum of baking styles producing Middle Eastern, European and American style breads. Introduction to various grains, pre-ferments, mixing, shaping, and baking techniques will be explored. Other specialty bread related items such as quick breads, crackers and spreads will be incorporated within the course. (CSU)

CA-184**Pastry Skills in Chocolate Preparation****3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in Culinary Arts 165 and 174 or equivalent.

2.0 hours lecture, 3.0 hours laboratory

This course focuses on understanding the process of making chocolate from bean-to-bar and how to apply techniques for making garnishes, centerpieces and various chocolate-based confections. Emphasis is placed on chocolate tasting, tempering and constructing ganache filled candies. Decorating skills will be covered using coloring, transfer sheets and airbrushing cocoa butter. Theory of flavor pairings and infusion techniques will be covered. (CSU)

CA-185**Sugar Work, Petit Fours, and Specialty Pastries****3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in CA 165 and CA 174 or equivalent.

2.0 hours lecture, 3.0 hours laboratory

This course will build on previous techniques gained in Introduction to Baking and Pastry with emphasis on petit fours, sugar decorations, classical and contemporary pastries, laminated doughs, specialty tarts, entremets, and introduction to plated desserts. (CSU)

CA-186**Pastry Skills in Cake Decorating****3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in CA 165 and 174 or equivalent.

2.0 hours lecture, 3.0 hours laboratory

The course focuses on techniques for making and constructing specialty cakes. Students will explore and demonstrate a broad spectrum of classical and modern application of cake construction and decorating. Various cake formulas, fillings and buttercreams will be demonstrated and applied. Enrobing cakes with rolled fondant and marzipan will be practiced as well as glazing techniques. Wedding cake principles and design be explored. Students will sharpen their artistry skills in piping, decorative cake garnishing and icing. (CSU)

CA-188**World Beer Styles 2 UNITS**

2.0 hours lecture

An introduction to the various styles of beers produced locally and around the world. The course content includes the history of beer, production practices, taste and analysis and the relationship of food and beer pairings. This course is open to all students 21 years or older. This course is offered on a Pass/No Pass basis only.

CA-280**Culinary Career Preparation 1 UNITS**

Prerequisite: "C" grade or higher or "Pass" in CA 171 or equivalent.

1.0 hours lecture

This course covers professional resume writing, building an online portfolio and developing interview skills for food service employment. Various exciting career opportunities in the food industry will be explored as well as resources for job applications. (CSU)

CA-281**Work Experience in Culinary Arts 2 UNITS**

Prerequisite: "C" grade or higher or "Pass" in CA 165 and 169 and 171 or equivalent.

On-the-job work experience in Culinary Arts. Externship at a professional food service operation to demonstrate and increase knowledge of food preparation skills. (CSU) 10 hours work experience per week, 120 volunteer hours or 150 paid hours.

CA-282**Advanced Work Experience in Culinary Arts 2 UNITS**

Prerequisite: "C" grade or higher or "Pass" in CA 165 and 169 and 171 or equivalent.

Second on-the-job work experience in Culinary Arts. Externship at a professional food service operation to demonstrate advanced knowledge of food preparation skills. (CSU) 10 hours work experience per week, 120 volunteer hours or 150 paid hours.

Dance (DANC)

DANC-068

Introduction to Dance

1.5 UNITS

1.0 hours lecture, 2.0 hours laboratory

This course provides the student with a practical introduction to the technique, theory, and vocabulary of various dance genres. Students will learn and practice the fundamentals of ballet, jazz, modern, tap, and/or musical theater dance. Designed as an overview of dance, this course addresses dance genres from a historical perspective. Attention is also paid to theoretical and stylistic differences between as well as commonalities shared by various dance genres. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness. Requirements include attendance at one live dance concert produced by the dance department and participation in one department sponsored master class. (CSU/UC) (AA/AS-E)

DANC-071A

Studio Workshop in Tap Dance I

1 UNITS

1.0 hours lecture, 1.0 hours laboratory

A beginning level technique course focusing on rudimentary rhythm tap technique. This class is designed for the beginning dancer or the dancer with previous training who needs to work on specific skills before moving on to a higher level of tap dance. The class will include a basic center floor warm-up, as well as a beginning level loco-motor progressions, dance combinations, and improvisation. Dance videos will be shown periodically to illustrate the history, development, and pioneers of rhythm tap dance. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness. Students will be required to attend one live dance concert produced by the dance department and one department sponsored master class. (CSU/UC) (AA/AS-E)

DANC-071B

Studio Workshop in Tap Dance II

1 UNITS

Recommended Preparation: A "C" grade or higher or "Pass" in Dance 071A or Dance 081A or equivalent.

1.0 hours lecture, 1.0 hours laboratory

An intermediate level technique course focusing on rhythm tap technique. This class is designed for the dancer with previous training who needs to work on specific skills before moving on to a high level of tap dance. The class will include a center floor warm-up, as well as increasingly more complex loco-motor progressions, dance combinations, and improvisation. Dance videos will be shown periodically to illustrate the history, development, and pioneers of rhythm tap dance. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness. Students will be required to attend one live dance concert produced by the dance department and one department sponsored master class. (CSU, UC) (AA/AS-E)

DANC-072A

Studio Workshop in Modern Dance I

1 UNITS

1.0 hours lecture, 1.0 hours laboratory

A beginning level technique course focusing on rudimentary modern dance technique. This class is designed for the beginning dancer or the dancer with previous training who needs to work on specific skills before moving on to a higher level of modern dance. The class will include a center floor warm-up, movement progressions, and center floor patterns/combinations composed of qualities and movements introduced in the class. Dance videos will be shown periodically to illustrate a variety of movement styles and performance philosophies. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness. Students will be required to attend one live dance concert produced by the dance department and one department sponsored master class. (CSU/UC) (AA/AS-E)

DANC-072B

Studio Workshop in Modern Dance II

1 UNITS

Recommended Preparation: "C" grade or higher or "Pass" in DANC 072A or DANC 080A or equivalent.

1.0 hours lecture, 1.0 hours laboratory

An intermediate level technique course which builds on the theories and skills introduced in Dance 080A and 072A. This class is designed for the dancer with previous beginning to low intermediate training who needs to work on specific skills before moving on to a higher level of modern dance. The class will include a center floor warm-up, movement progressions, and center floor patterns/combinations composed of qualities and movements introduced in the class. Dance videos will be shown periodically to illustrate a variety of movement styles and performance philosophies. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness. Students will be required to attend one live dance concert produced by the dance department and one department sponsored master class. (CSU/UC) (AA/AS-E)

DANC-074A

Studio Workshop in Jazz Dance I

1 UNITS

1.0 hours lecture, 1.0 hours laboratory

A beginning level technique course which focuses on developing and/or reinforcing skills specific to jazz dance. This class is designed for the beginning dancer or the dancer with previous training who needs to work on specific skills before moving on to a higher level of jazz dance. The class will include a stylized warm-up, basic loco-motor patterns, and center floor combinations. Dance videos will be shown periodically to illustrate a variety of movement styles and performance philosophies. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness. Attendance is required at one live dance concert produced by the dance department, and one department sponsored master class. (CSU/UC) (AA/AS-E)

DANC-074B**Studio Workshop in Jazz Dance II****1 UNITS**

Recommended Preparation: A "C" grade or higher or "Pass" in Dance 074A or Dance 084A or equivalent.

1.0 hours lecture, 1.0 hours laboratory

An intermediate level technique course focusing on jazz dance technique.

This class is designed for the dancer with previous training who needs to work on specific skills before moving on to a higher level of jazz dance.

The class will include a center floor warm-up, intermediate level locomotor progressions, which will increase in complexity and difficulty, and dance combinations emphasizing intermediate level skills. Dance videos will be shown periodically to illustrate the history, development, and pioneers of American jazz dance. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness. Students will be required to attend one live dance concert produced by the dance department and one department sponsored master class. (CSU/UC) (AA/AS-E)

DANC-078A**Studio Workshop in Ballet I****1 UNITS**

1.0 hours lecture, 1.0 hours laboratory

A beginning technique course using a broad spectrum of ballet vocabulary. The class will begin with a warm-up to include center floor stretches, barre work, and alignment exercises. Locomotor patterns will include leaps, jumps, turns, and a variety of other ballet progressions. The class will culminate with center floor patterns composed of qualities and movements introduced during the barre work. Dance films/DVD's will be shown periodically to illustrate a variety of movement styles and performance philosophies. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness. Attendance is required at one live dance concert produced by the dance department and participation in one department sponsored master class. (CSU/UC) (AA/AS-E)

DANC-078B**Studio Workshop in Ballet II****1 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in DANC 078A or DANC 088A or equivalent.

1.0 hours lecture, 1.0 hours laboratory

An intermediate level technique course using a broad spectrum of ballet vocabulary. The class will begin with a warm-up to include center floor stretches, barre work, and alignment exercises. Locomotor patterns to include leaps, jumps, turns, and a variety of other ballet progressions.

The class will culminate with center floor patterns composed of qualities and movements introduced during the barre work. Dance videos will be shown periodically to illustrate a variety of movement styles and performance philosophies. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness. Attendance is required at one live dance concert produced by the dance department and participation in one department-sponsored master class. (CSU/UC) (AA/AS-E)

DANC-080A**Modern I****1.5 UNITS**

1.0 hours lecture, 2.0 hours laboratory

A beginning level technique class that focuses on basic skills related to modern dance and presents dance as a form of artistic expression. This course covers the history, theories and basic vocabulary of modern dance. Students will learn the fundamental principles of physical fitness and their impact on life-long health and wellness. Students will be required to attend one live dance concert produced by the dance department and one department sponsored master class. (CSU/UC) (AA/AS-E)

DANC-080B**Modern II****1.5 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in DANC 080A or equivalent.

1.0 hours lecture, 2.0 hours laboratory

A beginning/intermediate level technique class that builds on the theories and principles introduced in Dance 080A, focuses on developing intermediate level skills related to modern dance, and presents dance as a form of artistic expression. This course covers the history, theories and vocabulary of modern dance. Students will learn the fundamental principles of physical fitness and their impact on life-long health and wellness. Students will be required to attend one live dance concert produced by the dance department and one department sponsored master class. (CSU/UC) (AA/AS-E)

DANC-080C**Modern III****1.5 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in DANC 080B or equivalent.

1.0 hours lecture, 2.0 hours laboratory

An intermediate/advanced level technique class that builds on the theories and principles introduced in Dance 080B, focuses on developing intermediate/advanced level skills related to modern dance, and presents dance as a form of artistic expression. This course covers the history, and intermediate/advanced theories, and vocabulary of modern dance. Students will learn the fundamental principles of physical fitness and their impact on life-long health and wellness. Students will be required to attend one live dance concert produced by the dance department and one department sponsored master class. (CSU/UC) (AA/AS-E)

DANC-080D**Modern IV****1.5 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in DANC 080C or equivalent.

1.0 hours lecture, 2.0 hours laboratory

An advanced level technique class that builds on the theories and principles introduced in Dance 080C, focuses on developing advanced level skills related to modern dance, and presents dance as a form of artistic expression. This course covers the history, and advanced theories and vocabulary of modern dance. Students will learn the fundamental principles of physical fitness and their impact on life-long health and wellness. Students will be required to attend one live dance concert produced by the dance department and one department sponsored master class. (CSU/UC) (AA/AS-E)

DANC-081A**Tap I****1.5 UNITS**

1.0 hours lecture, 2.0 hours laboratory

A beginning technique class, which focuses on basic skills related to tap dance. Dance sequences emphasize rhythm tap technique. This course also covers the history, theories and basic vocabulary of tap dance. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness. Students will be required to attend one live dance concert produced by the dance department and one department sponsored master class. (CSU/UC) (AA/AS-E)

DANC-081B**Tap II****1.5 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in DANC 081A or equivalent.

1.0 hours lecture, 2.0 hours laboratory

A tap dance technique class, which builds on the theories and principles introduced in Dance 081A and focuses on developing advanced-beginning level skills related to tap dance. Students will increase their mastery of articulation, and dynamics in traditional and contemporary styles of tap dance, as well as improvisation. Students will also learn the fundamental principles of physical fitness and their impact on lifelong health and wellness. Students will be required to attend one live dance concert produced by the dance department, and one department master class. (CSU/UC) (AA/AS-E)

DANC-081C**Tap III****1.5 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in DANC 081B.

1.0 hours lecture, 2.0 hours laboratory

A tap dance technique class, which builds on the theories and principles introduced in Dance 081B and focuses on developing intermediate level tap dance skills. Dance sequences emphasize several tap dance styles such as historic tap routines, Broadway tap, contemporary rhythm tap technique, and improvisation. This course also covers the history, theories and vocabulary of tap dance. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness. Students will be required to attend one live dance concert produced by the dance department and one department sponsored master class. (CSU/UC) (AA/AS-E)

DANC-081D**Tap IV****1.5 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in DANC 081C.

1.0 hours lecture, 2.0 hours laboratory

A tap dance technique course, which builds on the theories and principles introduced in Dance 081C and focuses on developing high intermediate to advanced level skills related to tap dance. Dance sequences emphasize several tap dance styles such as historic tap routines, Broadway tap, contemporary rhythm tap technique, and improvisation. The course also covers the history, theories and vocabulary of tap dance. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness. Students are required to attend one live dance concert produced by the dance department and one department master class. (CSU/UC) (AA/AS-E)

DANC-082A**Social and Ballroom Dance I****1.5 UNITS**

1.0 hours lecture, 2.0 hours laboratory

An introductory course which focuses on the fundamentals of partner dance and basic steps in a variety of ballroom dance genres. Emphasis is placed on partnering technique, frame, style, and variations for selected genres. This course is designed for dance and theatre majors as well as students who wish to explore historical dance. Students will be required to attend one live dance concert produced by the dance department, and one department sponsored master class. (CSU/UC) (AA/AS-E)

DANC-082B**Social and Ballroom Dance II****1.5 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in DANC 082A or equivalent.

1.0 hours lecture, 2.0 hours laboratory

A beginning/intermediate level class, which builds on the theories and principles introduced in Dance 082A and focuses on developing intermediate level skills related to ballroom dance. Discussions will also focus on the history, theories, and vocabulary of social and ballroom dance. Emphasis is placed on partnering technique, frame, style, and variations which increase in complexity for selected genres. This course is designed for dance and theatre majors as well as students who wish to explore historical dance. Students will be required to attend one live dance concert produced by the dance department, one department sponsored master class, and one ballroom related event. (CSU/UC) (AA/AS-E)

DANC-083A**Latin American Dance I****1.5 UNITS**

1.0 hours lecture, 2.0 hours laboratory

Latin American Dance I is a beginning level survey course in a variety of established and emerging partnered dances of Latin American origin with an emphasis on Salsa dance. This course also addresses introductory techniques, styles, rhythms, leading or following skills, movement patterns and history of other selected dances of Latin American origin. This course is designed for students who wish to explore dances from Latin cultures and partnered dance. Students will learn the fundamental principles of physical fitness and their impact on life-long health and wellness. Students will be required to attend one live dance concert produced by the dance department, and one department sponsored master class. (CSU/UC) (AA/AS-E)

DANC-083B**Latin American Dance II****1.5 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in DANC 083A or equivalent.

1.0 hours lecture, 2.0 hours laboratory

Latin American Dance II is an intermediate level survey course in a variety of established and emerging partnered dances of Latin American origin with an emphasis on Salsa dance. This course also addresses techniques, styles, rhythms, leading and following skills, movement patterns and history of other selected dances of Latin American origin. This course is designed for students who wish to explore dances from Latin cultures and partnered dance. Students will also learn the principles of physical fitness and their impact on life-long health and wellness. Students will be required to attend one live dance concert produced by the dance department, and one department sponsored master class. (CSU/UC) (AA/AS-E)

DANC-084A**Jazz I****1.5 UNITS**

1.0 hours lecture, 2.0 hours laboratory

A beginning level technique class that focuses on basic skills related to jazz dance. Discussions will cover the history, theories, and basic vocabulary of jazz dance. Students will learn the fundamental principles of physical fitness and their impact on life-long health and wellness. Students will be required to attend one live dance concert produced by the dance department and one department sponsored master class. (CSU/UC) (AA/AS-E)

DANC-084B**Jazz II****1.5 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in DANC 084A or equivalent.

1.0 hours lecture, 2.0 hours laboratory

A beginning/intermediate level technique class that builds on the theories and principles introduced in Dance 084A and focuses on developing intermediate level skills related to jazz dance. Discussions will cover the history, theories, and vocabulary of jazz dance. Students will learn the fundamental principles of physical fitness and their impact on life-long health and wellness. Students will be required to attend one live dance concert produced by the dance department and one department sponsored master class. (CSU/UC) (AA/AS-E)

DANC-084C**Jazz III****1.5 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in DANC 084B or equivalent.

1.0 hours lecture, 2.0 hours laboratory

An intermediate/advanced level technique class that builds on the theories and principles introduced in Dance 084B and focuses on developing intermediate/advanced level skills related to jazz dance. Discussions will cover the history and theories of jazz dance as well as intermediate/advanced level jazz dance vocabulary. Students will learn the fundamental principles of physical fitness and their impact on life-long health and wellness. Students will be required to attend one live dance concert produced by the dance department and one department sponsored master class. (CSU/UC) (AA/AS-E)

DANC-084D**Jazz IV****1.5 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in DANC 084C or equivalent.

1.0 hours lecture, 2.0 hours laboratory

An advanced level technique class that builds on the theories and principles introduced in Dance 084C and focuses on developing advanced level skills related to jazz dance. Discussions will cover the history and theories of jazz dance as well as advanced level jazz dance vocabulary. Students will learn the fundamental principles of physical fitness and their impact on life-long health and wellness. Students will be required to attend one live dance concert produced by the dance department and one department sponsored master class. (CSU/UC) (AA/AS-E)

DANC-088A**Ballet I****1.5 UNITS**

1.0 hours lecture, 2.0 hours laboratory

A beginning level technique class, that focuses on basic skills pertaining to ballet. This course covers the history, theories and basic vocabulary of ballet. Students will learn the fundamental principles of physical fitness and their impact on life-long health and wellness. Students will be required to attend one live dance concert produced by the dance department and one department sponsored master class. (CSU/UC) (AA/AS-E)

DANC-088B**Ballet II****1.5 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in DANC 088A or equivalent.

1.0 hours lecture, 2.0 hours laboratory

A beginning/intermediate level technique course that builds on the theories and principles introduced in Dance 088A and focuses on developing intermediate skills related to ballet. This course covers the history, theories and vocabulary of ballet. Students will learn the fundamental principles of physical fitness and their impact on life-long health and wellness. Students will be required to attend one live dance concert produced by the dance department and one department sponsored master class. (CSU/UC) (AA/AS-E)

DANC-088C**Ballet III****1.5 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in DANC 088B or equivalent.

1.0 hours lecture, 2.0 hours laboratory

An intermediate/advanced level technique course that builds on the theories and principles introduced in Dance 088B and focuses on developing intermediate/advanced skills related to ballet. This course covers the history, intermediate/advanced theories and vocabulary of ballet. Students will learn the fundamental principles of physical fitness and their impact on life-long health and wellness. Students will be required to attend one live dance concert produced by the dance department and one department sponsored master class. (CSU/UC) (AA/AS-E)

DANC-088D**Ballet IV****1.5 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in DANC 088C or equivalent.

1.0 hours lecture, 2.0 hours laboratory

An advanced technique course that builds on the theories and principles introduced in Dance 088C and focuses on developing advanced skills related to ballet. This course covers the history, advanced theories and vocabulary of ballet. Students will learn the fundamental principles of physical fitness and their impact on life-long health and wellness. Students will be required to attend one live dance concert produced by the dance department and one department sponsored master class. (CSU/UC) (AA/AS-E)

DANC-094A**Hip Hop I****1.5 UNITS**

1.0 hours lecture, 2.0 hours laboratory

A beginning level technique course designed to introduce and progressively develop urban street dance skills by integrating movement patterns with theoretical explanations of weight, posture, rhythm and interpretation of style. Emphasis is placed on developing muscle memory, stamina, and movement skills related to hip hop dance. Lectures cover hip hop as a performing art and tool for social, political, and cultural expression. Dance videos are used to further illustrate various dance techniques, movement styles, and performance philosophies. Students will learn the fundamental principles of physical fitness and their impact on life-long health and wellness. Students are required to attend one live dance concert produced by the dance department and one department sponsored master class. (CSU/UC) (AA/AS-E)

DANC-094B**Hip Hop II****1.5 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in DANC 094A.
1.0 hours lecture, 2.0 hours laboratory

A beginning/intermediate level technique class that builds on the theories, principles and skills introduced in Dance 094A and focuses on developing intermediate skills related to hip hop dance. Locomotor patterns and center floor combinations progress in length and complexity. Lectures cover hip hop as a performing art and tool for social, political, and cultural expression. Dance videos are used to further illustrate various dance techniques, movement styles, and performance philosophies. Students will learn the fundamental principles of physical fitness and their impact on life-long health and wellness. Students are required to attend one live dance concert produced by the dance department and one department sponsored master class. (CSU/UC) (AA/AS-E)

DANC-094C**Hip Hop III****1.5 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in DANC 094B.
1.0 hours lecture, 2.0 hours laboratory

An intermediate to advanced level technique class that builds on the theories, principles and skills introduced in Dance 094B and focuses on developing intermediate/advanced level skills related to hip hop dance. Locomotor patterns and center floor combinations progress in length and complexity. Lectures cover hip hop as a performing art and tool for social, political, and cultural expression. Dance videos are used to further illustrate various dance techniques, movement styles, and performance philosophies. Students will learn the fundamental principles of physical fitness and their impact on life-long health and wellness. Students are required to attend one live dance concert produced by the dance department and one department sponsored master class. (CSU/UC) (AA/AS-E)

DANC-094D**Hip Hop IV****1.5 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in DANC 094C.
1.0 hours lecture, 2.0 hours laboratory

An advanced level technique class that builds on the theories, principles and skills introduced in Dance 094C and focuses on developing advanced level skills related to hip hop dance. Locomotor patterns and center floor combinations progress in length and complexity. Lectures cover hip hop as a performing art and tool for social, political, and cultural expression. Dance videos are used to further illustrate various dance techniques, movement styles, and performance philosophies. Students will learn the fundamental principles of physical fitness and their impact on life-long health and wellness. Students are required to attend one live dance concert produced by the dance department and one department sponsored master class. (CSU/UC) (AA/AS-E)

DANC-095**Musical Theatre Dance****1.5 UNITS**

Recommended Preparation: A "C" grade or higher or "Pass" in Dance 084A or equivalent.

1.0 hours lecture, 2.0 hours laboratory

A course focusing on technique and performance in the musical theatre genre. Students will be introduced to a variety of Broadway choreographic styles with emphasis placed on characterization and performance quality of each theatrical style. Students will be required to attend one Grossmont College produced dance concert, and/or musical theatre production, and one dance department sponsored master class. (CSU/UC)

DANC-099A**Studio Workshop in Pointe I****1 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in DANC 088A or equivalent.

1.0 hours lecture, 1.0 hours laboratory

A technique class which focuses on developing the strength and flexibility required for pre-pointe and beginning pointe work. Though this course does cover beginning level pointe skills, students are expected to have previous experience and be able to execute intermediate level ballet skills. Also covered are the theories, and vocabulary of ballet as they relate to pointe. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness. Students will be required to attend one live dance concert produced by the dance department, and one department sponsored master class. (CSU/UC) (AA/AS-E)

DANC-099B**Studio Workshop in Pointe II****1 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in DANC 099A or equivalent.

1.0 hours lecture, 1.0 hours laboratory

A technique class which focuses on developing intermediate pointe work skills incorporating the strength and flexibility learned in Dance 099A. Though this course does cover intermediate level pointe skills, students are required to have previous experience and be able to execute high intermediate level ballet skills. Also covered are the theories, and vocabulary of intermediate ballet as they relate to pointe. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness. Students will be required to attend one live dance concert produced by the dance department and one department sponsored master class. (CSU/UC) (AA/AS-E)

DANC-099C**Studio Workshop in Pointe III****1 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in Dance 099B or equivalent.

1.0 hours lecture, 1.0 hours laboratory

A technique class which focuses on developing intermediate to advanced pointe work skills incorporating the strength and flexibility learned in Dance 099B. Though this course does not cover intermediate level pointe skills, students are expected to have previous experience and be able to execute high intermediate level ballet skills. Also covered are the theories, and vocabulary of intermediate ballet as they relate to pointe. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness. Students will be required to attend one live dance concert produced by the dance department and one department sponsored master class. (CSU/UC) (AA/AS-E)

DANC-110**Dance History****3 UNITS**

3.0 hours lecture

This survey course explores dance in historical contexts from pre-literate civilizations to the 20th century. It addresses various sociocultural and political forces and their influence on the development of dance. Topics include theatrical dance forms, social dance, ritual dance, as well as critical analysis of race and gender in dance. This course is intended for all students interested in expanding their aesthetic appreciation and understanding of dance as universal creative human behavior. (CSU/UC) (AA/AS-C, CSU-C1, IGETC-3A)

DANC-118A**Pilates I****1.5 UNITS**

1.0 hours lecture, 2.0 hours laboratory

This course is structured for students who seek a theoretical approach to exercise and wellness. Pilates I is designed to improve strength, body alignment, flexibility, balance, coordination, and breathing. Exercises and concepts are based on the Pilates method. The course includes a brief aerobic component with a focus on balance and stamina with a progression to the Pilates mat work. Lectures will focus on injury prevention and recognizing imbalances brought on by poor posture and injuries. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness. Students will attend one live dance concert produced by the Dance Department. (CSU/UC) (AA/AS-E)

DANC-118B**Pilates II****1.5 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in DANC 118A or equivalent.

1.0 hours lecture, 2.0 hours laboratory

This course is structure for students who seek a theoretical approach to exercise and wellness. Pilates II continues the principles of the Pilates method presented in Pilates I. Exercises and concepts are based on the Pilates method and will progress to more advanced mat work and introduction to the apparatus. The course includes a brief aerobic component with a focus on balance and stamina with a progression to the Pilates mat work. Lectures will focus on injury prevention and recognizing imbalances brought on by poor posture or injuries. Students will attend one live dance concert produced by the Dance Department. (CSU/UC) (AA/AS-E)

DANC-118C**Pilates III****1.5 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in DANC 118B or equivalent.

1.0 hours lecture, 2.0 hours laboratory

This course is structure for students who seek a theoretical approach to exercise and wellness. Pilates III continues the principles of the Pilates method presented in Pilates II. Exercises and concepts are based on the Pilates method and will progress to more advanced mat work and exercises utilizing the Pilates apparatus including the reformer, Cadillac, stability chair, and spine corrector. The course includes a brief aerobic component with a focus on balance and stamina with a progression to the Pilates mat work. Lectures will focus on injury prevention and recognizing imbalances brought on by poor posture or injuries. Students will attend one live dance concert produced by the Dance Department. (CSU/UC) (AA/AS-E)

DANC-118D**Pilates IV****1.5 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in DANC 118C or equivalent.

1.0 hours lecture, 2.0 hours laboratory

This course is structure for students who seek a theoretical approach to exercise and wellness. Pilates IV continues the principles of the Pilates method presented in Pilates III. Exercises and concepts are based on the Pilates method and will progress to advanced mat work and exercises utilizing the Pilates apparatus including the reformer, Cadillac, stability chair, small and large balls, stability circle and spine corrector. The course includes a brief aerobic component with a focus on balance and stamina with a progression to the Pilates mat work. Lectures will focus on injury prevention and recognizing imbalances brought on by poor posture or injuries. Students will attend one live dance concert produced by the Dance Department. (CSU/UC) (AA/AS-E)

DANC-120**Dance Appreciation****3 UNITS**

3.0 hours lecture

Dance Appreciation is a survey course that examines dance as a primary mode of human expression and communication with a focus on dance in the twentieth and twenty-first centuries CE. Through viewing live and recorded performances, discussions, and engaging in assigned readings, the student will place dance in a variety of cultural, artistic and historical contexts and examine issues of race, gender, and politics. This course fulfills a humanities requirement and may be of interest to students who want to examine the performing arts or cross-cultural studies. (CSU/UC) (AA/AS-C, CSU-C1, IGETC-3A)

DANC-121**Beginning Teaching Practicum - Dance****1.5 UNITS**

Prerequisite: "C" grade or higher or "Pass" in DANC 080C or 084C or 088C or 094C or 118C or equivalent.

1.0 hours lecture, 2.0 hours laboratory

This course is designed for the intermediate to advanced dancer who wishes to develop an awareness of proper teaching techniques. The student would implement these techniques into lesson plans for the intermediate technique courses offered at Grossmont College. The student, under the guidance of a department dance instructor, will analyze the instructor's lesson plans as well as develop their own series of warm-up exercises to be discussed for purpose and efficiency. (CSU)

DANC-122**Intermediate Teaching Practicum - Dance****1.5 UNITS**

Prerequisite: "C" grade or higher or "Pass" in DANC 121 or equivalent.

1.0 hours lecture, 2.0 hours laboratory

This course is designed for the intermediate to advanced dancer who wishes to develop an awareness of proper teaching techniques. The student would implement these techniques into lesson plans for the intermediate technique courses offered at Grossmont College. The student, under the guidance of a department dance instructor, would analyze the instructor's lesson plans as well as develop their own lessons to be utilized in class. Emphasis on student's lesson plan development and application of lessons in a classroom setting. (CSU)

DANC-123**Advanced Teaching Practicum - Dance 1.5 UNITS**

Prerequisite: "C" grade or higher or "Pass" in DANC 122 or equivalent.

1.0 hours lecture, 2.0 hours laboratory

This course is designed for the intermediate to advanced dancer who wishes to develop an awareness of proper teaching techniques. The student would implement these techniques into lesson plans for the intermediate technique courses offered at Grossmont College. The student, under the guidance of a department dance instructor, would analyze the instructor's lesson plans as well as develop their own lessons to be utilized in class. Emphasis is placed on the development of lessons to be implemented in elementary and secondary schools as well as the studio environment. (CSU)

DANC-200A**Touring Dance Ensemble I 2 UNITS**

Prerequisite: Audition

1.0 hours lecture, 3.0 hours laboratory

This course focuses on performance skills and techniques in preparation for professional applications. Intermediate and advanced level dance students rehearse and perform choreography in a variety of performance venues both on campus and in the community. Though most performances will be scheduled during class time, additional performances may be held during the evening and/or on weekends. (CSU)

DANC-200B**Touring Dance Ensemble II 2 UNITS**

Prerequisite: Audition

1.0 hours lecture, 3.0 hours laboratory

This course focuses on choreographic and/or performance skills and techniques in preparation for professional applications. Intermediate and advanced level dance students work as choreographers and/or dancers, and rehearse and perform choreography in a variety of performance venues both on campus and in the community. Though most performances will be scheduled during class time, additional performances may be held during the evening and/or on weekends. Students also learn the rudiments of starting and running a dance company. (CSU)

DANC-201**Dance Theatre Performance I 1 UNITS**

Prerequisite: Audition

3.0 hours laboratory

Supervised participation as a performer in the student choreographed dance concert as determined through the audition process. This course is designed for the student who has been selected to perform in one student choreographed work. Students enrolling in this class are strongly advised to enroll in one or more technique classes for the purpose of learning and/or reinforcing theories, vocabulary, and techniques that are applicable to the choreographic and performing process. (CSU)

DANC-202**Dance Theatre Performance II 2 UNITS**

Prerequisite: Audition

6.0 hours laboratory

Supervised participation as a performer in the student choreographed dance concert as determined through the audition process. This course is designed for the student who has been selected to perform in two student choreographed works. Students enrolling in this class are strongly advised to enroll in one or more technique classes for the purpose of learning and/or reinforcing theories, vocabulary, and techniques that are applicable to the choreographic and performing process. (CSU)

DANC-203**Dance Theatre Performance III 3 UNITS**

Prerequisite: Audition

9.0 hours laboratory

Supervised participation as a performer in the student choreographed dance concert as determined through the audition process. This course is designed for the student who has been selected to perform in three student choreographed works. Students enrolling in this class are strongly advised to enroll in one or more technique classes for the purpose of learning and/or reinforcing theories, vocabulary, and techniques that are applicable to the choreographic and performing process. (CSU)

DANC-204**Dance Improvisation 1.5 UNITS**

Recommended Preparation: "C" grade or higher or Pass in Dance 080A, or Dance 84A, or Dance 88A, or equivalent.

1.0 hours lecture, 2.0 hours laboratory

This course introduces the art and practice of improvisational dance. It also focuses on movement generation through the study of time, space, shape, effort, and body. Students are guided through specific exercises which enable them to discover the joy of movement and to enter into a free environment in which one can explore the unique and creative language of physical expression. (CSU)

DANC-205**Choreography I 2 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in DANC 080A or 084A or 088A or equivalent.

1.0 hours lecture, 3.0 hours laboratory

This course explores analysis of movement composition for the stage. The elements of space, time, shape, and energy will be examined. Movement improvisation using various forms of motivation will enhance the creative process. Various studies in elementary dance composition for solo, duet, trio and small group will be presented. (CSU)

DANC-206**Choreography II 2 UNITS**

Prerequisite: "C" grade or higher or "Pass" in DANC 205 or equivalent.

1.0 hours lecture, 3.0 hours laboratory

This course explores analysis of movement composition for the stage. The elements of space, time, shape, and energy will be examined. Movement improvisation using various forms of motivation will enhance the creative process. Various studies in more complex compositional forms and choreographic tasks for solo, duet, trio and small group will be presented. (CSU)

DANC-223**Student Choreography for Production I 2.5 UNITS**

Prerequisite: Audition

Recommended Preparation: "C" grade or higher or "Pass" in DANC 205 or equivalent.

7.5 hours laboratory

Supervises participation as a choreographer in the student dance concert. Student choreographers will apply intermediate skills in ballet, jazz, tap, hip hop, and modern dance in concerts and community performances. Emphasis is placed on student application of dance, staging, and performance techniques in student choreographed works for small groups or large ensembles. This course is designed for dance majors and students interested in exploring the choreographic process from the inception to the stage. (CSU)

DANC-224**Student Choreography for Production II****2.5 UNITS**

Prerequisite: Audition

Recommended Preparation: "C" grade or higher or "Pass" in DANC 205 or equivalent.

7.5 hours laboratory

Supervises participation as a choreographer in the student dance concert. Student choreographers will apply intermediate/advanced skills in ballet, jazz, tap, hip hop, and modern dance in concerts and community performances. Emphasis is placed on student application of dance, staging, and performance techniques in student choreographed works for small groups or large ensembles. This course is designed for dance majors and students interested in exploring the choreographic process from the inception to the stage. (CSU)

DANC-225**Student Choreography for Production III****2.5 UNITS**

Prerequisite: Audition

Recommended Preparation: "C" grade or higher or "Pass" in DANC 205 or equivalent.

7.5 hours laboratory

Supervises participation as a choreographer in the student dance concert. Student choreographers will apply advanced skills in ballet, jazz, tap, hip hop, and modern dance in concerts and community performances. Emphasis is placed on student application of dance, staging, and performance techniques in student choreographed works for solo, duet, or small groups. This course is designed for dance majors and students interested in exploring the choreographic process from the inception to the stage. (CSU)

DANC-227**Performance Ensemble I****1 UNITS**

Prerequisite: Audition

3.0 hours laboratory

Participation as an intermediate dancer in the faculty choreographed dance concert. Students will be admitted into the course upon successful audition. This course is designed for the student who has had prior dance training in the college or studio environment. Dance 227 reflects the number of rehearsal and performance hours required for one choreographic work. Students enrolling in this course are strongly advised to enroll in one or more technique/movement courses for the purpose of learning and/or reinforcing theories, vocabulary, and techniques that are applicable to the choreographic process. (CSU)

DANC-228**Performance Ensemble II****1.5 UNITS**

Prerequisite: Audition

4.5 hours laboratory

Participation as an intermediate dancer in the faculty choreographed dance concert. Students will be admitted into the course upon successful audition. This course is designed for the student who has had prior dance training in the college or studio environment. Dance 228 reflects the number of rehearsal and performance hours required for two choreographic works. Students enrolling in this course are strongly advised to enroll in one or more technique/movement courses for the purpose of learning and/or reinforcing theories, vocabulary, and techniques that are applicable to the choreographic process. (CSU)

DANC-229**Performance Ensemble III****2 UNITS**

Prerequisite: Audition

6.0 hours laboratory

Participation as an intermediate dancer in the faculty choreographed dance concert. Students will be admitted into the course upon successful audition. This course is designed for the student who has had prior dance training in the college or studio environment. Dance 229 reflects the number of rehearsal and performance hours required for three choreographic works. Students enrolling in this course are strongly advised to enroll in one or more technique/movement courses for the purpose of learning and/or reinforcing theories, vocabulary, and techniques that are applicable to the choreographic process. (CSU)

DANC-230**Performance Ensemble IV****2.5 UNITS**

Prerequisite: Audition

7.5 hours laboratory

Participation as an intermediate dancer in the faculty choreographed dance concert. Students will be admitted into the course upon successful audition. This course is designed for the student who has had prior dance training in the college or studio environment. Dance 230 reflects the number of rehearsal and performance hours required for four choreographic works. Students enrolling in this course are strongly advised to enroll in one or more technique/movement courses for the purpose of learning and/or reinforcing theories, vocabulary, and techniques that are applicable to the choreographic process. (CSU)

Economics (ECON)

ECON-110

Economic Issues and Policies

3 UNITS

3.0 hours lecture

An introduction to fundamental economic concepts as applied to real-world issues. Topics may include environmental protection, disaster relief, national debt, health care, crime, income inequality, poverty, and financial bubbles. Analysis of government policy and contrasting economic perspectives will also be addressed. (NOTE: The UC system will not award credit for ECON 110 if taken after ECON 120 or 121.) (CSU/UC) (AA/AS-D, CSU-D, IGETC-4)

ECON-120

Principles of Macroeconomics

3 UNITS

Prerequisite: "Pass" grade in MATH 090 or equivalent or appropriate mathematics placement.

3.0 hours lecture

This course provides students with the basic analytical tools necessary to analyze the U.S. economy from the macroeconomic perspective. The course includes an examination of the core problem of scarcity including resource allocation through the price system, market failures, and the elements of international trade, national income statistics, problems of inflation and unemployment, Keynesian macroeconomic theory and policy; the role of money supply; monetary theory; and Federal Reserves policy, alternative stabilization policies, problems of economic growth, income distribution, and other topics. Current economic problems are examined by guest and staff speakers from liberal, conservative, and radical perspectives. (C-ID ECON 202) (CSU/UC) (AA/AS-D, CSU-D, IGETC-4)

ECON-121

Principles of Microeconomics

3 UNITS

Prerequisite: "Pass" grade in MATH 090 or equivalent or appropriate mathematics placement.

3.0 hours lecture

This course provides students with the basic analytical tools necessary to analyze the U.S. economy from the microeconomic perspective. The course includes an examination of the core economic problem of scarcity, the essentials of supply and demand analysis, and the workings of a market system; elasticity; costs of production; market structures of pure competition, monopoly, monopolistic competition, and oligopoly; marginal revenue productivity; theory of wage determination, unions, and government policies; applied cases of microeconomics such as the problems of agriculture, pollution, mal-distribution of income and international economics. Current economic problems are examined by guest and staff speakers from liberal, conservative, and radical perspectives. (C-ID ECON 201) (CSU/UC) (AA/AS-D, CSU-D, IGETC-4)

ECON-125

Economic History of the United States

3 UNITS

3.0 hours lecture

The course will examine the economic development of the United States from colonial times to the present. Attention will be given to industrialization, land policy, the development of agriculture, the rise of consumerism, big finance, the role of war in economic development, how institutions shape economic development, and the conditions of the modern economy and its challenges. (CSU, UC)(CSU-D)

ECON-130

Comparative Economic Systems

3 UNITS

3.0 hours lecture

This class will explore the current macroeconomic situation and policies of various nations of the world. Our focus will be on the different styles of economic allocation ranging from free-market capitalist economies to state-controlled socialist economies. Emphasis will be placed on case studies from North America, Europe, the Asia Pacific, the Middle East, Latin America, and Africa. While philosophical, political, sociological, and historical, analysis will take place, this class primarily involves the application of macroeconomic theory to objectively evaluate the pros and cons of various economic systems. (CSU)(CSU-D)

ECON-135

Environmental Economics

3 UNITS

3.0 hours lecture

This course intends to provide an analytical framework for understanding the nature of environmental issues such as pollution and global warming and investigate the apparent conflict between economic needs and ecological requirements. In this context, economic tools like cost/benefit analysis applied to environmental policies and projects will be applied. (CSU, UC)(CSU-D)

ECON-195

Internship in Economics

1 UNITS

Community Service Learning Experience (CSLE) is a community outreach program which promotes the national agenda of volunteer engagement. The purpose is to provide students the opportunity to explore options and careers in a selected area of study. This course explores career options in fields such as commercial banking, investment banking, real estate, government, insurance, law, and international trade. (CSU) 5 hours work experience per week, 60 volunteer hours or 75 paid hours.

ECON-197

Internship in Economics

2 UNITS

Community Service Learning Experience (CSLE) is a community outreach program which promotes the national agenda of volunteer engagement. The purpose is to provide students the opportunity to explore options and careers in a selected area of study. This course explores career options in fields such as commercial banking, investment banking, real estate, government, insurance, law, and international trade. (CSU) 10 hours work experience per week, 120 volunteer hours or 150 paid hours.

ECON-215

Statistics for Business and Economics

4 UNITS

Prerequisite: "C" grade or higher or "Pass" in MATH 103 or 110 or equivalent or appropriate placement beyond intermediate algebra.

4.0 hours lecture

Introduction to descriptive and inferential statistics including regression and correlation analysis. Application of statistical techniques to conduct research and analysis in various business and economic environments. (CSU/UC) (AA/AS-A3, CSU-B4, IGETC-2A)

ECON-261

Economic Relations of the Asia Pacific

3 UNITS

3.0 hours lecture

This course is an exploration of the historical and present economic relations of the Asia Pacific region focusing on the interaction of the major economics of East Asia, Southeast Asia and the English-speaking Pacific. Topics such as economic development, regional integration, capital flows, financial architectures, migration, trade, political economy, resource allocation and environmental issues will be investigated. (CSU/UC) (CSU-D, IGETC-4)

Education (ED)

ED-200

Teaching as a Profession

3 UNITS

3.0 hours lecture

This course is designed for students considering teaching as a profession and for classroom paraprofessionals working in the public school system. Career exploration, foundations of education, critical issues, and an introduction to literacy acquisition are addressed. Standards for the teaching profession and conditions for effective learning are discussed. Guided observation of public school classrooms in a variety of subject areas are a requirement of the course. (CSU/UC)

English (ENGL)

ENGL-020

Support for Freshman Composition

1 UNITS

Corequisite: ENGL 120

1.0 hours lecture

This course is designed to review and reinforce the skills necessary to be successful in English 120 (freshman composition). Students will study the elements and principles of composition through the practice of editing and revising narrative, expository, and argumentative essays. Students will also be introduced to effective reading skills and strategies necessary for the reading of college level material. This course is offered on a Pass/No Pass basis only. Nondegree applicable.

ENGL-098

English Fundamentals

4 UNITS

4.0 hours lecture

This course is designed to introduce students to the process involved in writing effectively. Students will study grammar, punctuation and standard usage and will practice various phases of the writing process and use sentence variety to compose paragraphs and at least one multi-paragraph essay. (Nondegree credit course)

ENGL-098R

Reading Fundamentals

3 UNITS

3.0 hours lecture, 1.0 hours laboratory

This course is designed to provide an introduction to effective reading skills and strategies for students who speak English fluently. An emphasis is placed on expanding vocabulary, improving reading comprehension, and increasing speed. Students will also learn basic strategies for inferential and critical reading. (Nondegree credit course)

ENGL-110R

Principles of College Reading

3 UNITS

3.0 hours lecture, 1.0 hours laboratory

This course is designed to develop effective reading skills and strategies necessary for the reading of college level material. Emphasis is on developing vocabulary geared toward college textbooks and learning strategies necessary for efficient reading comprehension and retention. Students will also develop college level inferential and critical reading skills. (CSU)

ENGL-120

College Composition and Reading

3 UNITS

Prerequisite: Appropriate placement in ENGL 120.

3.0 hours lecture, 1.0 hours laboratory

This first semester transfer-level composition course is designed to develop critical reading and writing skills for academic inquiry across disciplines. In this course, students will read, discuss, and analyze the choices authors make and the strategies they employ to influence how audiences think about the topics of a text. Students will be invited to explore culturally relevant texts representing diverse viewpoints. Based on analysis and evaluation of these texts, students will compose essays, documented research papers, and other types of writing for various purposes and audiences. This written work will demonstrate effective and logical expression of ideas, totaling at least 5000 words. (C-ID ENGL 100) (CSU/UC) (AA/AS-A1, CSU-A2, IGETC-1A)

ENGL-122

Introduction to Literature

3 UNITS

Prerequisite: A "C" grade or higher or "Pass" in English 120 OR English as a Second Language 122 OR equivalent.

3.0 hours lecture

This course invites students to explore representative works from various literary genres and formats (such as myths, folktales, short stories, poems, plays, novels, essays, and creative nonfiction); develops students' close reading and analytical writing skills; and promotes appreciation and critical understanding of the cultural, historical, and aesthetic qualities of literature. (C-ID ENGL 120) (CSU/UC) (AA/AS-C, CSU-C2, IGETC-3B)

ENGL-124

Advanced Composition: Critical Reasoning and Writing

3 UNITS

Prerequisite: "C" grade or higher or "Pass" in ENGL 120 or ESL 122 or equivalent.

3.0 hours lecture

This course offers instruction in argumentation and critical thinking, critical writing, and rhetorical analysis. Students will be invited to read and analyze complex, relevant, and culturally diverse texts. Along with continued practice in information literacy and appropriate integration and documentation of source materials, students will craft formal argumentative essays and rhetorical analyses, totaling at least 5,000 words for the semester. (C-ID ENGL 105) (CSU/UC) (AA/AS-A1, CSU-A3, IGETC-1B)

ENGL-126

Introduction to Creative Writing

3 UNITS

Recommended Preparation: "C" grade or higher or "Pass" in ENGL 120 or equivalent.

3.0 hours lecture

Introduction to the craft of creative writing through study and analysis of the works of established, contemporary, and peer writers. Students will write short fiction, poetry, creative nonfiction, and drama and use the workshop method and instructor feedback to evaluate and revise work. Opportunity for publication in college literary journal, participation in student readings, and inclusion in on-line college chapbook. (C-ID ENGL 200) (CSU/UC) (AA/AS-C)

ENGL-130

Short Fiction Writing I

3 UNITS

Recommended Preparation: "C" grade or higher or "Pass" in ENGL 126 or equivalent.

3.0 hours lecture

The first in a four-course sequence, this class is designed to familiarize students with the study, analysis, and application of fundamental tools, techniques, and forms used by established and contemporary authors of fiction. By composing and submitting original short fiction, students learn to use the writers workshop to develop their skills as critics and writers of fiction. Students have opportunities for recognition and public readings of their own work. (CSU/UC)

ENGL-131

Short Fiction Writing II

3 UNITS

Prerequisite: "C" grade or higher or "Pass" in ENGL 130 or equivalent.

3.0 hours lecture

The second in a four-course sequence, this intermediate level class is designed to further skill development in the study, analysis, and application of tools, techniques, principles, and forms used by established and contemporary authors of short fiction. By composing and submitting original short fiction, students use the writers' workshop to further develop competency as critics and writers of short fiction. Students have opportunities for recognition, publication and public readings of their own work. (CSU/UC)

ENGL-132**Short Fiction Writing III 3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in ENGL 131 or equivalent.

3.0 hours lecture

The third in a four-course sequence, this advanced level class is designed to expand student proficiency in the study, analysis, and application of tools, techniques, and forms used by established and/or contemporary writers of short fiction. By composing and submitting original works of short fiction, students use the writers' workshop to deepen their skills as critics and emerging authors of short fiction. Students have opportunities for publication and public readings of their own work. (CSU/UC)

ENGL-133**Short Fiction Writing IV 3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in ENGL 132 or equivalent.

3.0 hours lecture

The final of a four-course sequence, this mastery-level class is designed to strengthen student expertise in the study, analysis, and application of the tools, techniques, and forms used by established and contemporary short fiction authors. By crafting and submitting original short fiction, students use the writer's workshop to refine their skills as critics and authors of short fiction, as well as explore markets for publication. Students have opportunities for performance, publication of their own work, and special projects. (CSU/UC)

ENGL-134**Creative Nonfiction Writing I 3 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in ENGL 126 or equivalent.

3.0 hours lecture

The first in a four-course sequence, this class is designed to familiarize students with the study, analysis, and application of fundamental tools, techniques, and forms used by contemporary and established creative nonfiction practitioners. By composing and submitting original creative nonfiction, students learn to use the writers' workshop to develop their skills as critics and writers of creative nonfiction. Students have opportunities for recognition and public readings of their own work. (CSU/UC) (AA/AS-C)

ENGL-135**Creative Nonfiction Writing II 3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in ENGL 134 or equivalent.

3.0 hours lecture

The second in a four-course sequence, this intermediate level class is designed to further skill development in the study, analysis, and application of tools, techniques, principles, and forms used by established and contemporary authors of creative nonfiction. By composing and submitting original creative nonfiction, students use the writers' workshop to further develop competency as critics and writers of creative nonfiction. Students have opportunities for recognition, publication and public readings of their own work. (CSU/UC) (AA/AS-C)

ENGL-136**Creative Nonfiction Writing III 3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in ENGL 135 or equivalent.

3.0 hours lecture

The third in a four-course sequence, this advanced level class is designed to expand student proficiency in the study, analysis, and application of tools, techniques, and forms used by established and/or contemporary writers of creative nonfiction. By composing and submitting original works of creative nonfiction, students use workshop to deepen their skills as critics and emerging authors of creative nonfiction. Students have opportunities for publication and public readings of their own work. (CSU/UC) (AA/AS-C)

ENGL-137**Creative Nonfiction Writing IV 3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in ENGL 136 or equivalent.

3.0 hours lecture

The final of a four-course sequence, this mastery-level is designed to strengthen student expertise in the study, analysis and application of the tools, techniques, and forms used by established and contemporary creative nonfiction authors. By crafting and submitting original creative nonfiction, students use the writers' workshop to refine their skills as critics and authors of creative nonfiction, as well as explore markets for publication. Students have opportunities for performance, publication of their own work, and special projects. (CSU/UC) (AA/AS-C)

ENGL-140**Poetry Writing I 3 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in ENGL 126 or equivalent.

3.0 hours lecture

The first of a four-course sequence, this class is designed to familiarize students with the study, analysis, and application of the fundamental tools, techniques, and forms of poetry used by established and contemporary poets. By composing and submitting original poems, students learn to use the writers' workshop to develop their skills as writers and critics. Students have opportunities for recognition and public readings of their own work. (CSU/UC)

ENGL-141**Poetry Writing II 3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in ENGL 140 or equivalent.

3.0 hours lecture

The second of a four-course sequence, this intermediate level class is designed to further skill development in the study, analysis, and application of the tools, techniques, and forms of poetry used by established and contemporary poets. By composing and submitting original poems, students use the writers' workshop to further develop competency as critics and writers of poetry. Students have opportunities for recognition, publication, and public readings of their own work. (CSU/UC)

ENGL-142**Poetry Writing III 3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in ENGL 141 or equivalent.

3.0 hours lecture

The third of a four-course sequence, this advanced level class is designed to expand student proficiency in the study, analysis, and application of the tools, techniques, and forms of poetry used by established and contemporary poets. By composing and submitting original poems, students use the writers' workshop to deepen their skills as critics and emerging poets. Students have opportunities for publication and public readings of their own work. (CSU/UC)

ENGL-143**Poetry Writing IV 3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in ENGL 142 or equivalent.

3.0 hours lecture

This final of a four-course sequence, the mastery-level class is designed to strengthen student expertise in the study, analysis, and application of the tools, techniques, and forms of poetry used by established and contemporary poets. By crafting and submitting original poems, students use the writers' workshop to refine their skills as critics and poets, as well as explore avenues for publication. Students have opportunities for publication, public readings of their own work, and special projects. (CSU/UC)

ENGL-145**Acorn Review: Editing and Production I 3 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in ENGL 126 or equivalent.

3.0 hours lecture

The first in a four-course sequence, this course is designed to familiarize students with the fundamental tools of reading, selecting, editing, proofreading, and arranging student manuscripts for publication in the Grossmont College student literary journal. (CSU)

ENGL-146**Acorn Review: Editing and Production II 3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in ENGL 145 or equivalent.

3.0 hours lecture

The second in a four-course sequence, this intermediate level class is designed to further skill development in the reading, selecting, editing, proofreading, and arranging of student manuscripts for publication in the Grossmont College literary journal. (CSU)

ENGL-147**Acorn Review: Editing and Production III 3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in ENGL 146 or equivalent.

3.0 hours lecture

The third in a four-course sequence, this advanced level class is designed to expand student proficiency in the reading, selecting, editing, proofreading, and arranging of student manuscripts for publication in the Grossmont College student literary journal. (CSU)

ENGL-148**Acorn Review: Editing and Production IV 3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in ENGL 147 or equivalent.

3.0 hours lecture

The final of a four-course sequence, this mastery level class is designed to strengthen student expertise in the reading, selecting, editing, proofreading, and arranging of student manuscripts for publication in the Grossmont College student literary journal. (CSU)

ENGL-160**Drama Writing I 3 UNITS**

Recommended Preparation: A "C" grade or higher or "Pass" in English 126 or equivalent.

3.0 hours lecture

The first in a four-course sequence, this class is designed to familiarize students with the study, analysis, and application of fundamental tools, techniques, and forms used by established and contemporary authors of drama. By composing and submitting original works of drama, students learn to use the writers' workshop to develop their skills as critics and drama writers. Students have opportunities for recognition and public reading/performance of their own work. (CSU/UC)

ENGL-161**Drama Writing II 3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in ENGL 160 or equivalent.

3.0 hours lecture

The second in a four-course sequence, this intermediate level class is designed to further skill development in the study, analysis, and application of tools, techniques, principles, and forms used by established and contemporary authors of drama. By composing and submitting original works of drama, students use the writers' workshop to further develop competency as critics and drama writers. Students have opportunities for recognition, publication and public reading/performance of their own work. (CSU/UC)

ENGL-162**Drama Writing III 3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in ENGL 161 or equivalent.

3.0 hours lecture

The third in a four-course sequence, this advanced level class is designed to expand proficiency in the study, analysis, and application of tools, techniques, principles, and forms used by established and contemporary authors of drama. By composing and submitting original works of drama, students use the writers' workshop to further deepen their skills as critics and emerging dramatists. Students have opportunities for recognition, publication and public reading/performance of their own work. (CSU/UC)

ENGL-163**Drama Writing IV 3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in ENGL 162 or equivalent.

3.0 hours lecture

The final in a four-course sequence, this mastery-level class course is designed to strengthen expertise in the study, analysis and application of the tools, techniques, and forms used by established and contemporary dramatists. By crafting and submitting original works of drama, students use the writers' workshop to refine their skills as critics and dramatists, as well as explore markets for production and staging. Students have opportunities for publication and reading/performance of their own work. (CSU/UC)

ENGL-175**Novel Writing I 3 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in ENGL 126 or equivalent.

3.0 hours lecture

The first in a four-course sequence, this class is designed to familiarize students with the study, analysis, and application of fundamental tools, techniques, and forms used by established and contemporary novelists. By composing and submitting original novel scenes, chapters and/or excerpts, students learn to use the writers' workshop to develop their skills as critics and writers of novels. Students have opportunities for recognition and public readings of their own work. (CSU/UC)

ENGL-176**Novel Writing II 3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in ENGL 175 or equivalent.

3.0 hours lecture

The second in a four-course sequence, this intermediate level class is designed to further skill development in the study, analysis, and application of tools, techniques, principles, and forms used by established and contemporary novelists. By composing and submitting original novel scenes, chapters and/or excerpts, students use the writers' workshop to further develop competency as critics and writers of novels. Students have opportunities for recognition, publication and public readings of their own work. (CSU/UC)

ENGL-177**Novel Writing III 3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in ENGL 176 or equivalent.

3.0 hours lecture

The third in a four-course sequence, this advanced level class is designed to expand student proficiency in the study, analysis, and application of tools, techniques, and forms used by established and/or contemporary novel writers. By composing and submitting original novel scenes, chapters and/or excerpts, students use the writers' workshop to deepen their skills as critics and emerging novelists. Opportunities for publication and public readings of their own work. (CSU/UC)

ENGL-178**Novel Writing IV****3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in ENGL 177 or equivalent.

3.0 hours lecture

The final of a four-course sequence, this mastery-level class is designed to strengthen student expertise in the study, analysis and application of the tools, techniques, and forms used by established and contemporary novelists. By crafting and submitting original novel scenes, chapters and/or excerpts, students use the writers' workshop to refine their skills as critics and novelists, as well as explore markets for publication. Students have opportunities for performance, publication of their own work, and special projects. (CSU/UC)

ENGL-195**Community Service Learning Experience****1 UNITS**

This course offers students the opportunity to earn academic credit while volunteering in the community. Community Service Learning (CSL) provides thoughtfully organized service experiences which meet community needs and are integrated into academic course work. Through civic engagement, students may also explore career opportunities in a selected area of study. This course is taught in partnership with the CSL Program at Grossmont College and includes placement in a community-based site. 5 hours work experience per week, 60 volunteer hours or 75 paid hours.

ENGL-201**Women, Gender, and Sexuality in Literature****3 UNITS**

3.0 hours lecture

This course is designed to examine gender and sexuality in diverse literature with emphasis on the representations of women. Students learn to use different theoretical lenses to critically interpret and discuss fiction, graphic literature, poetry, drama, and creative nonfiction in historical, political, literary, and cultural contexts. Through active reading and discussion, students interrogate how literature informs, reinforces, challenges, alters, resists, or otherwise influences social constructions of gender and sexuality. (CSU/UC) (AA/AS-C, CSU-C2, IGETC-3B)

ENGL-203**Children's Literature****3 UNITS**

3.0 hours lecture

This course surveys the historical and cultural development of children's literature. Students will be invited to engage in critical approaches and close reading of children's literature, as we discover shared themes in both classic and contemporary works from different eras and cultures, with an emphasis in understanding how evolving historical, social, political, and theoretical attitudes toward childhood have shaped the field of children's literature. This course will also provide theory and practice in analyzing children's literary genres, exploring criteria for book selection, and practicing techniques for using classic and contemporary literature with young people. (CSU, UC) (AA/AS-C)

ENGL-215**Mythology****3 UNITS**

3.0 hours lecture

This world mythology course is designed to explore the similarities and differences among the myths of widely separated peoples as a means of interpreting their literature within historical and cultural contexts. (CSU/UC) (AA/AS-C, CSU-C2, IGETC-3B)

ENGL-217**Fantasy and Science Fiction****3 UNITS**

3.0 hours lecture

An introduction to genre literature, ranging from gothic romance to heroic and other fantasies and from space-adventure to socially-critical contemporary science fiction. Course will examine the traditional, canonical, and historical backgrounds from which popular literatures derive, and explore the place of science fiction and fantasy in popular culture past and present. (CSU/UC) (AA/AS-C, CSU-C2, IGETC-3B)

ENGL-218**Shakespeare - His Plays and the Theatre of His Time****3 UNITS**

3.0 hours lecture

This course introduces students to William Shakespeare's plays and the theatre of his time. Students will read, interpret and analyze several of Shakespeare's plays-including the play(s) being produced or viewed locally-that represent the full range of his comedic, historical, and tragic works, such as A Midsummer Night's Dream, Twelfth Night, Richard II, Henry IV, Othello, Macbeth, King Lear, and Hamlet. The point of the course is to prepare students to understand and appreciate more fully the experience of seeing, reading, and discussing Shakespeare. The course will make apt use of actors in the classroom, good films, recordings of the plays, and theatre tours. (CSU/UC) (AA/AS-C, CSU-C2, IGETC-3B)

ENGL-219**Views of Death and Dying in Literature****3 UNITS**

3.0 hours lecture

This course will examine works of literature whose predominant subject focuses on attitudes toward death and dying as a practical and philosophical concern. (CSU/UC) (AA/AS-C, CSU-C2,E, IGETC-3B)

ENGL-221**British Literature I****3 UNITS**

3.0 hours lecture

This course is a survey of British literature from the Anglo-Saxon Period to the Romantic Period. Through their reading, students will be invited to explore the dynamic interchange between the literature and its historical, social, and philosophical perspectives and according to various schools of critical theory. A typical syllabus will include a wide range of genres and authors from throughout the historical survey periods covered in this course. (C-ID ENGL 160) (CSU/UC) (AA/AS-C, CSU-C2, IGETC-3B)

ENGL-222**British Literature II****3 UNITS**

3.0 hours lecture

This course is a survey of British literature from the Romantic Period to the present. Through their reading, students will be invited to explore the dynamic interchange between the literature and its historical, social, and philosophical perspectives and according to various schools of critical theory. A typical syllabus will include a wide range of genres and authors from throughout the historical survey periods covered in this course. (C-ID ENGL 165) (CSU/UC) (AA/AS-C, CSU-C2, IGETC-3B)

ENGL-231**American Literature I****3 UNITS**

3.0 hours lecture

This course is a survey of American authors and their relationship to major literary and intellectual movements, from America's beginnings to the second half of the nineteenth century. Through their reading, students will be invited to explore the dynamic interchange between the literature and its historical, social, and philosophical perspectives and according to various schools of critical theory. A typical syllabus will include a wide range of genres and authors from throughout the historical survey periods covered in this course. (C-ID ENGL 130) (CSU/UC) (AA/AS-C, CSU-C2, IGETC-3B)

ENGL-232**American Literature II****3 UNITS**

3.0 hours lecture

This course is a survey of American authors and their relationship to major literary and intellectual movements from the second half of the nineteenth century to the present. Through their reading, students will be invited to explore the dynamic exchange between the literature and its historical, social, and philosophical perspectives and according to various schools of critical theory. A typical syllabus will include a wide range of genres and authors from throughout the historical survey periods covered in this course. (C-ID ENGL 135) (CSU/UC) (AA/AS-C, CSU-C2, IGETC-3B)

ENGL-236**Chicana/o Literature****3 UNITS**

3.0 hours lecture

This course is a survey of colonial, post-colonial, and contemporary Chicano/Chicana literature. Literary works originally written in English and the Chicano/a bilingual idiom as well as English translations of works written in Spanish will be taught. Reading selections may consist of poetry, ballads, short stories, novels, plays, and nonfiction prose. Students analyze the literature and apply critical theory to describe critical events in the histories, cultures, and intellectual and literary traditions, with special focus on the lived experiences, social struggles, and contributions of Latino/a Americans in the United States. Note: Also listed as ETHN 236. Not open to students with credit in ETHN 236. (CSU/UC) (AA/AS-C, CSU-C2, F, IGETC-3B, 7)

ENGL-237**American Indian Literature****3 UNITS**

3.0 hours lecture

A survey and literary analysis of American Indian literature; folk, creation and origin stories, legends, and poetry from the oral tradition to contemporary American Indian authors. (CSU/UC) (AA/AS-C, CSU-C2, IGETC-3B)

ENGL-238**Black Literature****3 UNITS**

3.0 hours lecture

This course introduces students to a survey of Black literature, focusing on the early oral tradition, literature of slavery and freedom, the Harlem Renaissance, Modernism, the Black Arts Era, and the contemporary period. Reading selections may consist of poetry, short stories, plays, novels, and nonfiction prose, including essays, letters, political tracts, autobiographies, speeches, and sermons. Students analyze the literature and apply critical theory to describe critical events in the histories, cultures, and intellectual and literary traditions, with special focus on the lived experiences, social struggles, and contributions of African Americans in the United States. Note: Also listed as ETHN 238. Not open to students with credit in ETHN 238. (CSU/UC) (AA/AS-C, CSU-C2, IGETC-3B)

ENGL-239**Asian American Literature****3 UNITS**

3.0 hours lecture

This course in Asian American Literature will include poetry, ballads, short stories, novels, plays, and nonfiction prose. "Asian" is a broad category that includes, but is not limited to, persons who trace their roots to at least China, Japan, Korea, Burma (or Myanmar), Vietnam, Malaysia, Indonesia, the Philippines, Hawai'i, the Pacific Islands, Cambodia, Laos, Thailand, India, Bangladesh, or Pakistan. Historically, industrialization, technological development, and a rejection of tradition have invoked ideologies of the "Oriental other," "the Yellow Peril," and the "model minority." But the literary works herein challenge such narratives and set the stage to examine an age marked by migration, war, imperialism, (neo)colonialism, and globalization. Students will be invited to read and discuss a variety of texts that represent Asia and the Pacific Islands during and after World War II, and that challenge ideas about the past and present, the traditional and the modern, and "the West" and "the East." Students will analyze the literature and apply critical theory to describe events in the histories, cultures, and intellectual and literary traditions, with special focus on the lived experiences, social struggles, and contributions of Asian Americans, Native Hawaiians, and Pacific Islander Americans in the United States. Note: Also listed as ETHN 239. Not open to students with credit in ETHN 239. (CSU, UC) (AA/AS-C, CSU-C2)

ENGL-271**World Literature II****3 UNITS**

3.0 hours lecture

This class offers a survey and analysis of diverse literary texts across the world. Students examine how literature shapes and reflects the human experience as well as global struggles over power, identity, and language. Students learn to use different theoretical lenses to interpret critically the historical, political, social, psychological, philosophical, aesthetic, and cultural aspects of literature from Africa, the Middle East, South and East Asia, the Caribbean, Oceania, Latin America, and Europe. Primary texts consist of fiction, graphic literature, poetry, drama, creative nonfiction, and film. (CSU, UC) (AA/AS-C, CSU-C2)

ENGL-277**Literary Theme****3 UNITS**

Recommended Preparation: A "C" grade or higher or "Pass" in English 120.

3.0 hours lecture

Course provides in-depth study of a theme in literature. Readings selected will cover a breadth of literature representative of a major theme (e.g., Images of War, Isolation/Exile, Coming of Age, or Diversity) in addition to at least one secondary work focusing on the literature. Oral and written discussion of such readings and their relevance to the period will be emphasized. (CSU) (AA/AS-C)

English as a Second Language (ESL)

ESL-078

Introduction to Listening in English - Credit

6 UNITS

6.0 hours lecture

ESL 078 is an English language course that introduces spoken English to those who have had little or no exposure to the English language. This course utilizes the 700 most frequent words in the English language in input-based, meaningful tasks that make language comprehensible through non-linguistic means with a lot of repetition and recycling of language. Students interact with the language in meaningful and engaging ways, with communicatively embedded comprehensible input, acquiring the language at the Intermediate Low level according to the ACTFL proficiency guidelines with no explicit grammar instruction. Students will engage with and respond to the language, but they are not required to produce spontaneous speech at this level. Students are encouraged to take ESL 078R concurrently and before taking ESL 088. This course is offered on a Pass/No Pass basis only.

ESL-078NC

Introduction to Listening in English - Non-Credit

0 UNITS

6.0 hours lecture

ESL 078 is an English language course that introduces spoken English to those who have had little or no exposure to the English language. This course utilizes the 700 most frequent words in the English language in input-based, meaningful tasks that make language comprehensible through non-linguistic means with a lot of repetition and recycling of language. Students interact with the language in meaningful and engaging ways, with communicatively embedded comprehensible input, acquiring the language at the Intermediate Low level according to the ACTFL proficiency guidelines with no explicit grammar instruction. Students will engage with and respond to the language, but they are not required to produce spontaneous speech at this level. Students are encouraged to take ESL 078R concurrently and before taking ESL 088. This course is offered on a Pass/No Pass basis only. (nondegree credit or non-credit course).

ESL-078R

Introduction to Reading in English - Credit

6 UNITS

6.0 hours lecture

ESL 078R is an English language course that introduces English reading to those who have had little or no exposure to the English language. This course utilizes the 700 most frequent words in the English language in discussion as well as books that are specifically designed based on comprehensible input so that students with no prior knowledge of English can begin reading on the first day. This course aims to help students develop reading skills in English at the Intermediate Low level according to the ACTFL proficiency guidelines while learning frequent vocabulary. Students will interact with the texts in meaningful and engaging ways, with communicatively embedded comprehensible input, but they are not required to produce spontaneous language at this level. Students are encouraged to take ESL 078 concurrently or before taking ESL 088. This course is offered on a Pass/No Pass basis only.

ESL-078RNC

Introduction to Reading in English - Non-Credit

0 UNITS

6.0 hours lecture

ESL 078R is an English language course that introduces English reading to those who have had little or no exposure to the English language. This course utilizes the 700 most frequent words in the English language in discussion as well as books that are specifically designed based on comprehensible input so that students with no prior knowledge of English can begin reading on the first day. This course aims to help students develop reading skills in English at the Intermediate Low level according to the ACTFL proficiency guidelines while learning frequent vocabulary. Students will interact with the texts in meaningful and engaging ways, with communicatively embedded comprehensible input, but they are not required to produce spontaneous language at this level. Students are encouraged to take ESL 078 concurrently or before taking ESL 088. This course is offered on a Pass/No Pass basis only. (nondegree credit or non-credit course)

ESL-088

Literacy and Communication

6 UNITS

Prerequisite: "Pass" grade in ESL 078 (credit or non-credit) and 078R (credit or non-credit), or advisory placement in ESL 088 or equivalent. 6.0 hours lecture

This is an English language development course for non-native speakers of English at the beginning level. Students learn basic reading, writing, and grammar skills through the exploration of genre-based thematic units. Students will become aware of audience and purpose, and will develop an understanding of college culture necessary for academic success. Students will also grow in their cultural competence as they examine texts and media and interact with peers and instructors in a multicultural classroom setting. This course is offered on a Pass/No Pass basis only. (Nondegree credit course)

ESL-088L

Understanding and Speaking American English in College and Everyday Life

3 UNITS

Prerequisite: "Pass" grade in ESL 078 (credit or non-credit), and ESL 078R (credit or non-credit), or advisory placement in ESL 088 or equivalent. 3.0 hours lecture

ESL 088L is a beginning-level course designed to improve the listening and speaking skills needed for cross-cultural understanding and successful interaction in college and everyday life. Listening comprehension of American English is improved through guided practice in a variety of genres, including class lectures, video and live presentations, interviews and conversations. Students increase accuracy and fluency in their spoken communication as they improve their pronunciation and intonation. Both listening and speaking skills are greatly enhanced through the learning of grammar and vocabulary. Additionally, students grow in their cultural competence as they examine texts and media and interact with peers and the instructor in a multicultural class. This course is offered on a Pass/No Pass basis only. (Nondegree credit course)

ESL-088R**Reading and Vocabulary for College and Everyday Life 3 UNITS**

Prerequisite: "Pass" grade in ESL 078 (credit or no credit), and ESL 078R (credit or non-credit), or advisory placement in ESL 088 or equivalent.

3.0 hours lecture

This reading course is designed to develop ESL students' vocabulary and reading through the exploration of genre-based thematic units. This course aims to help students improve their reading skills and to expand their understanding and use of vocabulary. Additionally, students will grow in their cultural competence as they examine texts and media and interact with peers and instructors in a multicultural classroom setting. This course is offered on a Pass/No Pass basis only. (Nondegree credit course)

ESL-098**Introduction to Academic English 6 UNITS**

Prerequisite: "Pass" grade in ESL 088 and ESL 088L and ESL 088R or advisory placement in ESL 098 or equivalent.

6.0 hours lecture

ESL 098 is an English language development course for non-native speakers of English at the intermediate level. The course further develops the skills taught in ESL 088. The class focuses on the improvement of writing in several genres in conjunction with the development of reading, listening, speaking, and grammar skills. Reading and listening are presented in thematic units and serve as sources for students to compose informative writing with increased knowledge and effective use of new vocabulary. Readings also serve as model genres to help students learn to write using common features to convey specific kinds of information. In addition, students will become more aware of audience and purpose in writing, and they will grow in their cultural competence as they analyze text and media and interact with others in a multicultural class setting. This course is offered on a Pass/No Pass basis only. (Nondegree credit course)

ESL-098G**Essential Grammar for Written and Spoken Communication 3 UNITS**

Prerequisite: "Pass" grade in ESL 088 and ESL 088L and ESL 088R or advisory placement in ESL 098 or equivalent.

3.0 hours lecture

ESL 098G is a course on the essentials of English grammar needed to increase accuracy and fluency in communication. The course is designed specifically for non-native speakers of English at the intermediate level to increase their appreciation for the importance of accurate grammar in their language use. Students will learn the systems of grammar that shape language and apply those rules in their written and spoken communication on various genres. Course assignments will serve to build and reinforce students' ability to use English grammar to convey intended meaning correctly and effectively in interpersonal, intercultural, and academic discourse. This course is offered on a Pass/No Pass basis only. (Nondegree credit course)

ESL-098P**Sounds and Rhythms of American English 3 UNITS**

Prerequisite: "Pass" grade in ESL 088 and ESL 088L and ESL 088R or advisory placement in ESL 098 or equivalent.

3.0 hours lecture

This is an intermediate-level course designed to assist non-native English speakers in developing both oral and aural language skills through their understanding of spoken North American English as well as the articulation of this particular dialect in varied genres and with different communicative purposes. All in-class and extra-class lessons are designed to assist non-native English speakers who have acquired level-appropriate vocabulary and a functional level of grammatical accuracy. This course is offered on a Pass/No Pass basis only. (Nondegree credit course)

ESL-105**Rhetoric for Academic Success 6 UNITS**

Prerequisite: "Pass" grade in ESL 098 and ESL 098P and ESL 098G or advisory placement in ESL 105 or equivalent.

6.0 hours lecture

ESL 105 is an English language development course for non-native speakers of English at the advanced level. This course further develops the skills taught in ESL 098 including academic and non-academic reading, writing, listening, speaking and grammar skills through the exploration of genre-based thematic units. Students will examine the features of a variety of texts in authentic and adapted form in order to develop genre awareness and apply this knowledge to new reading and writing opportunities. Students will read and analyze authentic and adapted texts as models for their own writing and speaking practice. Students will expand their cultural competence as they analyze texts and engage in cross-cultural communication with instructor and peers.

ESL-115**Exploring U.S. Cultures 6 UNITS**

Prerequisite: "C" grade or higher or "Pass" in ESL 105 or advisory placement in ESL 115 or equivalent.

6.0 hours lecture

ESL 115 explores themes in U.S. cultures through authentic texts, introducing and modeling diverse voices contributing to the cultural conversations of the moment and since time immemorial. Non-native speakers of English in this advanced English language course learn to become active members in a diverse and democratic society while sharing their experiences to contribute to the dialogue. Students learn about U.S. cultures, the cultures of their classmates, and reflect upon their own culture and the interplay between these, while effectively collaborating with others in a multicultural classroom. Students create texts in several genres to explore themes in U.S. culture, such as racism, consumerism, and media, to diverse audiences for various purposes. (CSU/UC) (AA/AS-C, CSU-C2, IGETC-3B)

ESL-122**College Rhetoric****6 UNITS**

Prerequisite: "C" grade or higher or "Pass" in ESL 115 or advisory placement in ESL 122 or equivalent.

6.0 hours lecture

ESL 122 is the transfer-level English course for non-native speakers designed to enhance critical reading, writing, listening, and speaking through academic inquiry across the disciplines. Based on thematic modules, students analyze and evaluate a variety of texts in response to particular audiences and purposes. Students compose expository and argumentative academic papers and oral presentations, including an extended argument, which synthesized, integrates, and acknowledges multiple sources. Students expand their cultural competence as they analyze text and media on contemporary issues and engage in meaningful dialogue with the instructor, peers, and target audience. They employ effective strategies for producing writing that reflects accuracy and fluency. (C-ID ENGL 100) (CSU/UC) (AA/AS-A1, CSU-A2, IGETC-1A)

Ethnic Studies (ETHN)

ETHN-107

History of Race & Ethnicity in the United States 3 UNITS
3.0 hours lecture

An introduction to the social, cultural, and historical experiences of racial and ethnic groups and their roles in shaping in the United States. Focus will be on migration, colonization, racialization, racism, and discrimination, assimilation and resistance and agency, social stratification, liberation movements, and the intersection of racial, ethnic, gender, and sexual identities as they relate to African Americans, Asian Americans, Latinas/os/x, and Native Americans. Also listed as HIST 107. Not open to students with credit in HIST 107. (CSU/UC) (AA/AS-D, CSU-D,F, IGETC-4,7)

ETHN-114

Introduction to Race & Ethnicity 3 UNITS
3.0 hours lecture

An introduction to the sociological analysis of ethnicity, race, and immigration in the United States. Topics include the history of racialized and minoritized groups in the United States, patterns of interaction between racial and ethnic groups, colonialism, immigration, identity formation, prejudice, discrimination, ethnocentrism, racism, institutional racism, social movements for civil rights, liberation and decolonization, and the intersection of race and ethnicity with other forms of difference. Also listed as SOC 114. Not open to students with credit in SOC 114. (C-ID SOCI 150) (CSU/UC) (AA/AS-D, CSU-D,F, IGETC-4,7)

ETHN-115

Introduction to Cultural Competence 3 UNITS
3.0 hours lecture

Achieving cultural competency is a process, and this course provides a framework to begin critical reflection, knowledge acquisition, dialogue and best practices that lead to cultural competence over time. Students begin their work toward cultural competency. Students gain skills to effectively interact with people of diverse cultures, languages, socio-economic classes, races, ethnic backgrounds, religions, sexual and gender orientations, special needs and other social identities. The course explores attitudes, behavior, institutions and policies. It examines privilege and oppression, intersectionality of identities, various groups' barriers to equal access and opportunity, and how cultural competence moves people and institutions toward practices of inclusiveness. (CSU/UC) (AA/AS-D, CSU-D, IGETC-4)

ETHN-118

U.S. History: Chicano/Chicana Perspectives I 3 UNITS
3.0 hours lecture

This course is designed to explore the role and development of the Chicana/o (Mexican American) people in the history of the United States. It examines United States history with emphasis on institutions and ideals, beginning with pre-Colombian Meso-America to the Mexican-American War (1848). Social, economic, political and cultural events are covered with attention to Mexican/Chicana/o people in the United States. The Constitution of the United States and the operation of representative government are studied with special emphasis on the impact and effects of U.S.-Mexico relations and their people. (CSU/UC) (AA/AS-D, CSU-D, IGETC-4)

ETHN-119

U.S. History: Chicano/Chicana Perspective II 3 UNITS
3.0 hours lecture

This course is designed to explore the role and development of the Chicana/o (Mexican American) people in the history of the United States. Beginning with the Mexican-American War (1848) to the present period, institutions and ideals of the United States history are examined, with emphasis on the social economic, political and cultural implications to Chicana/o people in the United States. The U.S. Constitution, operation of representative government, and developments in California state and local government are studied with special emphasis on the impact and effects on Chicana/o's. (CSU/UC) (AA/AS-D, CSU-D, IGETC-4)

ETHN-125

Cross-Cultural Psychology 3 UNITS
3.0 hours lecture

An introduction to theories and research findings regarding cultural influences on human behavior and cognitive processes (life-span development, abnormal behavior and mental health, drug use, self-concept, emotion, social behavior, perception, learning, intelligence, and memory). By providing students with a non-judgmental understanding of how culture influences human behavior, this course will make them more equipped to interact in a world where there is increasing contact among different cultures. (CSU/UC) (AA/AS-D, CSU-D, IGETC-4)

ETHN-126

Chicano/Chicana and Mexican Art 3 UNITS
3.0 hours lecture

Comprehensive overview of the major influences and themes in Chicana/o art from its emergence in the 1960s to the beginning of the 21st century. Emphasis is placed on the historical (including pre-Columbian and Mexican), social, political and cultural context of the Chicana/o Movement and murals, prints, sculpture, literature, and performance. (CSU/UC) (AA/AS-C, CSU-C1, IGETC-3A)

ETHN-127

La Chicana 3 UNITS
3.0 hours lecture

A study of Chicanas/Latinas through the written and visual images conveyed by Chicanas/Latinas and non-Chicanas/non-Latinas over time. Myths about Chicanas/Latinas are examined in a variety of contexts. Attention will be given to the evolution of the literary, visual, cultural, political and socio-economic experience of Chicanas and Latinas. (CSU/UC) (AA/AS-C, CSU-D,E, IGETC-4)

ETHN-128

Introduction to Chicana/o Studies 3 UNITS
3.0 hours lecture

This course is an introduction to Mexicana/o-Chicana/o culture and identity in the United States viewed through the lens of the origins, evolution, and current status of Chicana/o studies. Explores the research, theories, methods and debates in, and impact of, the field. Examines current intellectual trends, scholar activism, societal developments and the issues affecting Mexicana/o-Chicana/o communities. The course is taught from a multidisciplinary approach using the scholarship of Chicano Studies, the social sciences, visual arts, drama, history, literature, and music. (CSU/UC) (AA/AS-D, CSU-D, IGETC-4)

ETHN-130

U.S. History and Cultures: Native American Perspectives I 3 UNITS
3.0 hours lecture

This course covers the social, political, cultural, economic and intellectual history of indigenous people in North America from pre-history to pre-Civil War in United States. Native experiences are placed in the context of the evolution of diverse native nations, within the growth of the U.S., and within the development of American institutions and ideals. California and San Diego County nations are highlighted, as is the origins of the U.S. Constitution and its evolving interpretation in the courts regarding native nations. (CSU/UC) (AA/AS-D, CSU-D, IGETC-4)

ETHN-131

U.S. History and Cultures: Native American Perspectives II 3 UNITS
3.0 hours lecture

An historical survey of the indigenous peoples of the North American Continent from the period of 1850 to the present. Attention will be given to contemporary, historical, political, and socio-economic issues affecting the American Indian nationwide, statewide, and locally. Indian perspectives of native and nonnative cultures will be included. The Federal and State Constitutions are studied with special emphasis on the effects and influence of the Indian culture and society. Particular attention is given to political philosophies and the impact of legislation on Indian culture and society. (CSU/UC) (AA/AS-D, CSU-D, IGETC-4)

ETHN-134

Introduction to American Indian Art 3 UNITS
3.0 hours lecture

The study of prehistoric, historic and modern creative art forms of American Indians. This course investigates the origins of American Indian art from rock paintings to contemporary artists and artisans. The class compares and contrasts art forms said to be Native American in content and Native American artists creating contemporary art in European-based art forms. American Indian art is explored within the context of American Indian Studies—from legal, cultural, anthropological, and fine arts perspectives and as a means of adaptation and resistance to colonialization and government policies. (CSU/UC) (AA/AS-C, CSU-C1, IGETC-3A)

ETHN-135

San Diego County American Indian Tribes 3 UNITS
3.0 hours lecture

This course discusses the cultural complexity of indigenous San Diego County Indians, spanning geographically from the ocean to the mountains and desert. San Diego County has 18 Indian Reservations, more than any county in the United States. The course examines pre-contact, migration/relocation patterns, present day reservations, and an in-depth study of the dominant Hokan speakers (Kumeyaay-Diegueño) and of the three groups of Uto-Aztecan speakers (Luiseño, Cahuilla and Cupeño). The history of these groups includes the Spanish, Mexican, and American periods resulting in forced removals and loss of traditional territories and altered traditions. Also covered is each group's origins, traditional songs, oral tradition, religious practices, foods, family patterns, and how they have survived and maintained their language, arts and culture. The course evaluates how the tribes shaped ancient and modern San Diego, including the socio-economic and political importance of gaming tribes and sovereignty. (CSU/UC) (AA/AS-D, CSU-C2,D, IGETC-3B,4)

ETHN-137

American Indian Culture and Heritage 3 UNITS
3.0 hours lecture

An in-depth analysis and discussion of American Indian cultural development as influenced by native and non-native traditions and influences. This course will examine the ways in which American Indians view the world, their place in it, and their responsibilities to it within an ethno-environmental context. Emphasis is placed on tribal and family relationships and social adjustments made by individuals. Analyzes the influence of these traditions on non-Indian cultures and philosophy, sociopolitics, science, religion, and the arts. Deals with the ongoing adaptability and endurance of American Indian traditions and customs given the changing conditions or legal requirements of the times. (CSU/UC) (AA/AS-D, CSU-D, IGETC-4)

ETHN-138

The History and Cultures of California Indians 3 UNITS
3.0 hours lecture

Historical overview of California native people and their timeless cultural elements. Included are an investigation into pre-European contact cultures and the subsequent impact of Spanish Missions and Anglo-American colonialism and institutions and values. With over 100 federally recognized California tribes, examples comprise diverse peoples in Northern, Central, and Southern California, including language survival and cultural revitalization. Included are the impact of tribes on the economy today, culture and politics of state-Native relations, significance to tribes and their neighbors of gaming, and myths vs. realities of Native life and culture. (CSU/UC) (AA/AS-D, CSU-D, IGETC-3B)

ETHN-143

Images of Black Women 3 UNITS
3.0 hours lecture

A study of black women in the U.S., using literature, the arts and media, produced by and about black women. Explores the intersections of gender, race, and socio-economic class in black women's identity and experiences. Themes include power and resistance; work, family and culture; cultural representations and stereotypes, and the interplay of social processes on the development of identity. (CSU/UC) (AA/AS-C, CSU-C2,D, IGETC-3B,4)

ETHN-144

Communication Studies: Race and Ethnicity 3 UNITS
3.0 hours lecture

This course provides both a theoretical and a practical exploration of communication, race, and ethnicity in the general context of U.S. culture, with a focus on race and ethnicity in popular culture and the arts. Attention is given to how contemporary and historical constructions of race and ethnicity influence both popular and everyday communication interactions. Emphasis is on developing communication competence in situations where perceived racial or ethnic difference factors into successful communication outcomes. (CSU/UC) (AA/AS-C, CSU-C2,D, IGETC-3B,4)

ETHN-145

Introduction to Black Studies 3 UNITS
3.0 hours lecture

An overview of Black Studies as a discipline, including its socio-political and academic origins, evolution of ideas, methodologies, and goals. Subject areas include history, politics, and economics; social systems; oppression and empowerment; family and community; identity; and contemporary issues. Scholarship, literature, media, and the arts illustrate the interdisciplinary approach to studying black experiences, behavior and thought. (CSU/UC) (AA/AS-D, CSU-D, IGETC-4)

ETHN-150**Latinx Communities in the United States****3 UNITS**

3.0 hours lecture

An introduction to the Latina/Latino through sociological examination of Latinx/Hispanic communities in the United States. Topics include the racialization process of Latinx communities in the U.S. and the role of imperialism, white supremacy, eurocentrism, decolonization and liberation struggles played in the identity formation and social experience of Latinx people. This course examines current family structure, gender roles and sexuality; religion; economics; individual and institutional racism; U.S./Mexico border issues and immigration policy; and education. Focus is on the intersectionality of race/ethnicity with other forms of difference. Emphasis is placed on social movements geared towards anti-racism, resistance, and struggle for social justice by Latinx communities. Also listed as SOC 150. Not open to students with credit in SOC 150. (CSU/UC) (AA/AS-D, CSU-D, IGETC-4)

ETHN-160**U.S. History: Asian American and Pacific Island American Perspectives I****3 UNITS**

3.0 hours lecture

This course is a cultural and historical analysis of the Asian American and Pacific Island experience from pre-colonial/pre-migration communities of Asia and the Pacific Islands, through immigration and contact with American colonial societies, and through the formation of the US and imperial expansion of the mid-1800s. This class explores the social, political, economic, and cultural factors encountered by populations loosely grouped as Asian and Pacific Islanders. Emphasis is placed, but is not limited to, Japanese, Filipino, Korean, Chinese, Asian Indian, Pacific Islander, and Southern Asian experiences. Such experiences include immigration, diaspora, return, identity, ethnicity and ethnocentrism, race, racism, and race relations, community development, traditional values, identity formation in the context of Euro-centric US cultures, sexuality and gender, U.S. policies, and issues of resistance, colonization, decolonization, and anti-colonialism. An analysis of the Asian American and Pacific Island American perspective on cultural roots, immigration, accommodation and resistance, and settlement patterns, labor, legal, political, and social history within the context of the US Constitution and the political philosophy of its framers. (CSU/UC) (AA/AS-D, CSU-D, IGETC-4)

ETHN-161**U.S. History: Asian American and Pacific Island American Perspectives II****3 UNITS**

3.0 hours lecture

This course provides an introduction to the history and culture of Asians and Pacific Islanders in the United States from the mid-19th century to the beginning of the 21st century. Drawing from a range of interdisciplinary approaches and sources, the course explores the importance of the Asian American and Pacific Island American experience to U.S. history while also giving due consideration to the global and international forces that shaped it. In doing so, it probes the varied experiences of people identified as "Asian Americans," and "Pacific Island Americans," examining what those identities mean and how that had changed over time. The experience of Asian Americans and Pacific Islanders will inform the analysis of broader themes including migration, diaspora, return, gender, race and racism, labor, citizenship, community, resistance and self-determination, identity formation, war, anti-colonialism, de-colonialism, and imperialism, and transnationalism. The course introduces the major themes and basic chronology of Asian American and Pacific Island American history while providing a critical perspective on the conventional narrative American history. The course analyzes the Asian American and Pacific Island American past within a context of power relations, especially hierarchies of race, gender, and class and examines the continuities and discontinuities between the past and present. Emphasis is placed on Filipino Americans, Chinese Americans, Japanese Americans, Asian Indian Americans, Korean Americans, Pacific Island Americans, and Southeast Asian Americans. (CSU/UC) (AA/AS-D, CSU-D, IGETC-4)

ETHN-180**U.S. History: Black Perspectives I****3 UNITS**

3.0 hours lecture

A survey of United States history from colonial times through the Civil War from the perspective and experiences of African-Americans. The course begins with the historical backdrop of African peoples in continental Africa and the trace their story through early modern European contact, slave trade, enslavement in the Americas, colonial America, the revolutionary and Constitutional era, the early Republic, participation in American institutions, sectional issues between North and South over slavery, the Civil War and emancipation. Examines the contradictions, paradoxes and constitutional challenges of the American experiment of freedom alongside the institution of slavery. Explores the political, social, economic, legalistic, cultural, spiritual, literary and artistic life of African-Americans during this historical period. (CSU/UC) (AA/AS-D, CSU-D, IGETC-4)

ETHN-181**U.S. History: Black Perspectives II****3 UNITS**

3.0 hours lecture

A survey of United States history from Reconstruction to the present seen from the perspective and experience of African-Americans. The course begins with the emancipation of slaves and Reconstruction and then traces the African-American experience through modern American history. Topics include developments in California, Reconstruction, Jim Crow South, late 19th century, pre-WWI and the Progressive Era, WWI and the Roaring 20s, Depression Era, WWII and the home front, post-WWII era and segregation, Civil Rights Era, struggles of the 1960s and 1970s, late 20th century and 21st -century issues. Course also explores the contradictions, paradoxes and constitutional challenges, both federal and in California, of the American experiment of equality alongside racial segregation and injustices. The course also explores the political, social, economic, legalistic, cultural, spiritual, literary and artistic life of African-Americans during modern American history. (CSU/UC) (AA/AS-D, CSU-D, IGETC-4)

ETHN-194**Community Service Learning Experience****1 UNITS**

Community Service Learning Experience (CSLE) is a community outreach program which promotes the national agenda of volunteer engagement. The purpose is to provide students the opportunity to explore options and careers in a selected area of study. (CSU) 5 hours work experience per week, 60 volunteer hours or 75 paid hours.

ETHN-236**Chicana/o Literature****3 UNITS**

3.0 hours lecture

This course is a survey of colonial, post-colonial, and contemporary Chicano/Chicana literature. Literary works originally written in English and the Chicano/a bilingual idiom as well as English translations of works written in Spanish will be taught. Reading selections may consist of poetry, ballads, short stories, novels, plays, and nonfiction prose. Students analyze the literature and apply critical theory to describe critical events in the histories, cultures, and intellectual and literary traditions, with special focus on the lived experiences, social struggles, and contributions of Latino/a Americans in the United States. Note: Also listed as ENGL 236. Not open to students with credit in ENGL 236. (CSU/UC) (AA/AS-C, CSU-C2,F, IGETC-3B,7)

ETHN-237**American Indian Literature****3 UNITS**

3.0 hours lecture

A survey and literary analysis of American Indian literature; folk, creation and origin stories, legends, and poetry from the oral tradition to contemporary American Indian authors. (CSU/UC) (AA/AS-C, CSU-C2, IGETC-3B)

ETHN-238**Black Literature****3 UNITS**

3.0 hours lecture

This course introduces students to a survey of Black literature, focusing on the early oral tradition, literature of slavery and freedom, the Harlem Renaissance, Modernism, the Black Arts Era, and the contemporary period. Reading selections may consist of poetry, short stories, plays, novels, and nonfiction prose, including essays, letters, political tracts, autobiographies, speeches, and sermons. Students analyze the literature and apply critical theory to describe critical events in the histories, cultures, and intellectual and literary traditions, with special focus on the lived experiences, social struggles, and contributions of African Americans in the United States. Note: Also listed as ENGL 238. Not open to students with credit in ENGL 238. (CSU/UC) (AA/AS-C, CSU-C2, IGETC-3B)

ETHN-239**Asian American Literature****3 UNITS**

3.0 hours lecture

This course in Asian American Literature will include poetry, ballads, short stories, novels, plays, and nonfiction prose. "Asian" is a broad category that includes, but is not limited to, persons who trace their roots to at least China, Japan, Korea, Burma (or Myanmar), Vietnam, Malaysia, Indonesia, the Philippines, Hawai'i, the Pacific Islands, Cambodia, Laos, Thailand, India, Bangladesh, or Pakistan. Historically, industrialization, technological development, and a rejection of tradition have invoked ideologies of the "Oriental other," "the Yellow Peril," and the "model minority." But the literary works herein challenge such narratives and set the stage to examine an age marked by migration, war, imperialism, (neo)colonialism, and globalization. Students will be invited to read and discuss a variety of texts that represent Asia and the Pacific Islands during and after World War II, and that challenge ideas about the past and present, the traditional and the modern, and "the West" and "the East." Students will analyze the literature and apply critical theory to describe events in the histories, cultures, and intellectual and literary traditions, with special focus on the lived experiences, social struggles, and contributions of Asian Americans, Native Hawai'ians, and Pacific Islander Americans in the United States. Note: Also listed as ENGL 239. Not open to students with credit in ENGL 239. (CSU, UC)(AA/AS-C, CSU-C2)

Exercise Science (ES)

ES-001

Adapted Physical Exercise

1 UNITS

1.0 hours lecture, 1.0 hours laboratory

This course is designed to develop various components of physical fitness for students with verified disabilities. Physical assessment, appropriate exercise equipment and personalized exercise program will be prescribed. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness. (CSU/UC) (AA/AS-E)

ES-002

Advanced Adapted Physical Exercise

1 UNITS

Recommended Preparation: "C" grade or higher or "Pass" in ES 001 or equivalent or specified skill competencies.

1.0 hours lecture, 1.0 hours laboratory

Advanced physical exercise course designed for students with verified disabilities. Emphasis placed on muscular fitness through resistance exercises. Physical assessment, appropriate exercise equipment and personalized prescribed weight training programs will be developed. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness. (CSU/UC) (AA/AS-E)

ES-003

Adaptive Aerobic Fitness

1 UNITS

1.0 hours lecture, 1.0 hours laboratory

This course is designed to provide a fitness exercise program for students with verified disabilities. Includes methods of strength attainment and flexibility training, with emphasis on aerobic conditioning. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness. (CSU/UC) (AA/AS-E)

ES-004A

Beginning Fitness for the Newcomer

1 UNITS

1.0 hours lecture, 1.0 hours laboratory

This course is designed to provide a beginning level of a personalized total body fitness program for individuals who are tentative or deficient in physical fitness skills. This course is intended for the student who is not ready to participate in a regular fitness class, but is not in need of a truly adapted fitness class. Instruction will include the development of a basic level of cardiovascular endurance, muscular strength, muscular endurance, flexibility, body composition, core strength, balance and equipment use. Direction will include introductory recommendations necessary to personalize an exercise program to meet individual conditions, limitations and special needs. Influences of nutrition, as well as health concerns, injury prevention and life-long health and wellness will be included. (CSU/UC) (AA/AS-E)

ES-004B

Intermediate Fitness for the Newcomer

1 UNITS

Recommended Preparation: "C" grade or higher or "Pass" in ES 004A or equivalent or specified skill competencies.

1.0 hours lecture, 1.0 hours laboratory

This course is a continuation of ES 004A which is designed to provide a personalized total body fitness program for individuals who are tentative or deficient in physical fitness skills. This course is intended for the student who is not ready to participate in a regular fitness class, but is not in need of a truly adapted fitness class. Instruction will include the development of an intermediate level of cardiovascular endurance, muscular strength, muscular endurance, flexibility, body composition, core strength, balance and equipment use. Direction will include relatively complex recommendations necessary to personalize an exercise program to meet individual conditions, limitations and special needs. Influences of nutrition, as well as health concerns, injury prevention and life-long health and wellness will be included. (CSU) (AA/AS-E)

ES-004C

Advanced Fitness for the Newcomer

1 UNITS

Recommended Preparation: "C" grade or higher or "Pass" in ES 004B or equivalent or specified skill competencies.

1.0 hours lecture, 1.0 hours laboratory

This course is a continuation of ES 004B which is designed to provide a personalized total body fitness program for individuals who are tentative or deficient in physical fitness skills. This course is intended for the student who is not ready to participate in a regular fitness class, but is not in need of a truly adapted fitness class. Instruction will include the development of an advanced level of cardiovascular endurance, muscular strength, muscular endurance, flexibility, body composition, core strength, balance and equipment use. Direction will include detailed recommendations necessary to personalize an exercise program to meet individual conditions, limitations and special needs. Influences of nutrition, as well as health concerns, injury prevention and life-long health and wellness will be included. (CSU) (AA/AS-E)

ES-005A

Beginning Cardio Fitness and Resistance Training

1.5 UNITS

1.0 hours lecture, 2.0 hours laboratory

This course is designed to provide a beginning level fitness experience to develop the key components of health-related physical fitness: cardiorespiratory endurance, muscular strength and muscle endurance, body composition, and flexibility. Emphasis will be placed on the latest scientific theories for cardiorespiratory exercises and correct lifting techniques of resistance training. The students will develop a personalized cardiorespiratory endurance, muscular strength, muscular endurance, and flexibility program. Students will also learn the fundamental principles of physical fitness and their impact on a life-long health and wellness. (CSU/UC) (AA/AS-E)

ES-005B**Intermediate Cardio Fitness and Resistance Training 1.5 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in ES 005A or equivalent or specified skill competencies.

1.0 hours lecture, 2.0 hours laboratory

A continuation of ES 005A emphasizing the development and model of an intermediate level of cardio-respiratory fitness and resistance training. Students will complete more physical challenging activities to achieve an intermediate level of cardio-respiratory endurance, muscular strength/endurance, body composition and flexibility. Exercise theories, training methods, nutritional influences on exercise and body composition, and injury prevention/treatment will be presented. A wide range of cardiovascular activities and resistance training equipment are utilized. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness. (CSU/UC) (AA/AS-E)

ES-005C**Advanced Cardio Fitness and Resistance Training 1.5 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in ES 005B or equivalent or specified skill competencies.

1.0 hours lecture, 2.0 hours laboratory

A continuation of ES 005B emphasizing the formulation and design of an advanced level of cardiorespiratory fitness and resistance training. Students will complete more physical challenging activities to achieve an advanced level of cardiovascular endurance, muscular strength/endurance, body composition, and flexibility. Exercise theories, training methods, nutritional influences on exercise and body composition, and injury prevention/treatment will be presented. A wide range of cardiovascular activities and resistance training equipment are utilized. Students will also learn the fundamental principles of physical fitness and their impact on a life-long health and wellness. (CSU/UC) (AA/AS-E)

ES-006A**Beginning Fitness Circuit 1 UNITS**

1.0 hours lecture, 1.0 hours laboratory

This course is designed to provide a full body workout that mixes aerobic and resistance training in a circuit format. utilizing of variable resistance machines, free weights, indoor cycling bikes, and other modes of aerobic training. The circuit involves a personalized workload which allows students to progress at their own rate while alternating between resistance machines/free weights, and indoor cycling bicycles or other aerobic activities. Fitness training principles to improve the components of fitness (cardiorespiratory endurance, muscular strength, muscular endurance, flexibility, and body composition) are presented with a focus on proper form. In addition, students will explore nutrition and disease-prevention to assist in creating a healthy lifestyle. (CSU/UC) (AA/AS-E)

ES-006B**Intermediate Fitness Circuit 1 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in ES 006A or equivalent or specified skill competencies.

1.0 hours lecture, 1.0 hours laboratory

A continuation of ES 006A emphasizing the development of an intermediate level of circuit training. This course is designed to provide a full body workout that mixes aerobic and resistance training in a circuit format utilizing of variable resistance machines, free weights, indoor cycling bikes, and other modes of aerobic training. The circuit involves a personalized workload which allows students to progress at their own rate while alternating between resistance machines/free weights, and indoor cycling bicycles or other aerobic activities. Fitness training principles to improve the components of fitness (cardiorespiratory endurance, muscular strength, muscular endurance, flexibility, and body composition) are presented with a focus on proper form. In addition, students will explore nutrition and disease-prevention information to assist in creating a healthy lifestyle. (CSU/UC) (AA/AS-E)

ES-006C**Advanced Fitness Circuit 1 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in ES 006B or equivalent or specified skill competencies.

1.0 hours lecture, 1.0 hours laboratory

A continuation of ES 006B emphasizing the development of an advanced level of circuit training. This course is designed to provide a full body workout that mixes aerobic and resistance training in a circuit format. utilizing of variable resistance machines, free weights, indoor cycling bikes, and other modes of aerobic training. The circuit involves a personalized workload which allows students to progress at their own rate while alternating between resistance machines/free weights, and indoor cycling bicycles or other aerobic activities. Fitness training principles to improve the components of fitness (cardiorespiratory endurance, muscular strength, muscular endurance, flexibility, and body composition) are presented with a focus on proper form. In addition, students will explore nutrition and disease-prevention information to assist in creating a healthy lifestyle. (CSU/UC) (AA/AS-E)

ES-007A**Beginning Aerobic Walking for Fitness and Wellness 1.5 UNITS**

1.0 hours lecture, 2.0 hours laboratory

Instruction and reinforcement in basic fitness walking techniques with a specific intent to develop cardiovascular fitness and endurance to a beginning level. Students will also analyze the impact of aerobic walking on other fitness parameters such as muscle endurance and body composition. Principles of physical fitness, conditioning and other relevant health-related topics will also be covered. (CSU/UC) (AA/AS-E)

ES-007B**Intermediate Aerobic Walking for Fitness and Wellness 1.5 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in ES 007A or equivalent or specified skill competencies.

1.0 hours lecture, 2.0 hours laboratory

A continuation of ES 007A emphasizing intermediate level fitness walking techniques at moderate intensity to increase cardiovascular fitness and endurance to an intermediate level. Students will also analyze the impact of aerobic walking on other fitness parameters such as muscle endurance and body composition. Principles of physical fitness, conditioning and other relevant health-related topics will also be covered. (CSU/UC) (AA/AS-E)

ES-007C**Advanced Aerobic Walking for Fitness and Wellness 1.5 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in ES 007B or equivalent or specified skill competencies.

1.0 hours lecture, 2.0 hours laboratory

A continuation of ES 007B emphasizing advanced level fitness walking techniques at high intensity and longer duration to increase cardiovascular fitness and endurance to an advanced level. Students will also analyze the impact of high intensity aerobic walking and increased duration on other fitness parameters such as muscle endurance and body composition. Principles of physical fitness, conditioning and other relevant health-related topics will also be covered. (CSU/UC) (AA/AS-E)

ES-008A**Beginning Indoor Cycling 1 UNITS**

1.0 hours lecture, 1.0 hours laboratory

This course is designed to provide a beginning level indoor cycling experience to develop the key components of health-related physical fitness: cardiorespiratory, endurance, muscular strength/endurance, body composition, and flexibility. The components of fitness will be met through structured individually paced indoor group cycling classes. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness. (CSU/UC) (AA/AS-E)

ES-008B**Intermediate Indoor Cycling 1 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in ES 008A or equivalent or specified skill competencies.

1.0 hours lecture, 1.0 hours laboratory

A continuation of ES 008A emphasizing the development of an intermediate level of indoor cycling. Students will complete physical challenging activities to achieve an intermediate level of cardiorespiratory endurance, muscular strength/endurance, body composition, and flexibility. Intermediate exercise theories will be met through structured indoor cycling methods and practices. Students will also interpret principles of physical fitness and their impact on life-long health and wellness. (CSU/UC) (AA/AS-E)

ES-008C**Advanced Indoor Cycling 1 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in ES 008B or equivalent or specified skill competencies.

1.0 hours lecture, 1.0 hours laboratory

A continuation of ES 008B emphasizing the development of advanced level of indoor cycling. Students will complete physical challenging activities to achieve an advanced level of cardiorespiratory endurance, muscular strength/endurance, body composition, and flexibility. Advanced exercise theories will be met through structured indoor cycling methods and practices. Students will also summarize principles of physical fitness and their impact on life-long health and wellness. (CSU/UC) (AA/AS-E)

ES-009A**Beginning Aerobic Dance Exercise 1 UNITS**

1.0 hours lecture, 1.0 hours laboratory

Participation in aerobic dance exercise emphasizing the development of a basic level of conditioning of the musculoskeletal system, improvement of the cardiovascular system, increasing the efficiency of the respiratory system, and increasing flexibility. Beginning level movement patterns, routines and equipment will be used. Principles of physical fitness, conditioning, and other relevant health-related topics will also be covered. (CSU/UC) (AA/AS-E)

ES-009B**Intermediate Aerobic Dance Exercise 1 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in ES 009A or equivalent or specified skill competencies.

1.0 hours lecture, 1.0 hours laboratory

A continuation of ES 009A emphasizing the development of an intermediate level of conditioning of the musculoskeletal system, improvement of the cardiovascular system, increasing the efficiency of the respiratory system, and increasing flexibility. More complex movement patterns, routines and equipment will be used to increase intensity of exercise to achieve an increased level of fitness. Principles of physical fitness, conditioning, and other relevant health-related topics will also be covered. (CSU/UC) (AA/AS-E)

ES-009C**Advanced Aerobic Dance Exercise 1 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in ES 009B or equivalent or specified skill competencies.

1.0 hours lecture, 1.0 hours laboratory

A continuation of ES 009B emphasizing the development of an advanced level of conditioning of the musculoskeletal system, improvement of the cardiovascular system, increasing the efficiency of the respiratory system, and increasing flexibility. Highly complex movement patterns, routines and equipment will be used to increase intensity of exercise to achieve a superior level of fitness. Principles of physical fitness, conditioning, and other relevant health-related topics will also be covered. (CSU/UC) (AA/AS-E)

ES-016A**Beginning Trail Running 1 UNITS**

1.0 hours lecture, 1.0 hours laboratory

This is a beginning trail running course where students will develop basic skills for trail running. This course gives students basic information and exposure to a variety of regional trails while teaching about trail navigation, etiquette, running strategies, nutrition, and the basic gear necessary for trail running. Principles of physical fitness, conditioning and other relevant health-related topics will also be covered. Students will also learn the fundamental principles of physical fitness and their impact on a life-long health and wellness. (CSU/UC) (AA/AS-E)

ES-016B**Intermediate Trail Running 1 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in ES 016A or equivalent or specified skill competencies.

1.0 hours lecture, 1.0 hours laboratory

A continuation of ES 016A, this course provides instruction and practice to develop intermediate skills for trail running. This course gives students intermediate information and exposure to a variety of regional trails while teaching about trail navigation, etiquette, running strategies, nutrition, and the basic gear necessary for trail running. Principles of physical fitness, conditioning and other relevant health-related topics will also be covered. Students will also learn the fundamental principles of physical fitness and their impact on a life-long health and wellness. (CSU/UC) (AA/AS-E)

ES-016C**Advanced Trail Running****1 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in ES 016B or equivalent or specified skill competencies.

1.0 hours lecture, 1.0 hours laboratory

A continuation of ES 016B, this course provides instruction and practice to develop advanced skills for trail running. This course gives students advanced information and exposure to a variety of regional trails while teaching about trail navigation, etiquette, running strategies, nutrition, and the basic gear necessary for trail running. Principles of physical fitness, conditioning and other relevant health-related topics will also be covered. Students will also learn the fundamental principles of physical fitness and their impact on a life-long health and wellness. (CSU/UC) (AA/AS-E)

ES-017A**Beginning Trail Hiking****1 UNITS**

1.0 hours lecture, 1.0 hours laboratory

This course serves as an introduction to trail hiking and involves the exploration of local trails surrounding the campus. This activity class is designed to promote a higher level of fitness, and the basic knowledge sufficient to hike during leisure time in an outdoor environment. Major topics include: appropriate clothing and footwear, equipment, safety, exercise benefits and training principles, Leave No Trace outdoor ethics, navigation and enjoyment of outdoor exploration. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness. This course requires the ability to walk outside on trails, which are often uneven surfaces, in all types of weather indicative of the San Diego climate. (CSU/UC) (AA/AS-E)

ES-017B**Intermediate Trail Hiking****1 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in ES 017A or equivalent or specified skill competencies.

1.0 hours lecture, 1.0 hours laboratory

A continuation of ES 017A emphasizing the development of an intermediate level trail hiking. Students will complete more physically challenging hikes to achieve an intermediate level of fitness. Principles of physical fitness, conditioning, and other relevant health-related topics will also be covered. (CSU/UC) (AA/AS-E)

ES-017C**Advanced Trail Hiking****1 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in ES 017B or equivalent or specified skill competencies.

1.0 hours lecture, 1.0 hours laboratory

A continuation of ES 017B emphasizing the development of an advanced level trail hiking. Students will complete more physically and mentally challenging hikes to achieve an advanced level of fitness. Principles of physical fitness, conditioning, and other relevant health-related topics will also be covered. (CSU/UC) (AA/AS-E)

ES-021A**Beginning Fitness for Chronic Disease And Injury Prevention****1.5 UNITS**

1.0 hours lecture, 2.0 hours laboratory

This course is designed for physical activity and information to meet the needs of a population at risk for chronic disease or injury that potentially reduce the quality of life. Principles of physical fitness, conditioning, and other relevant health-related topics will be covered. Emphasis will be placed on the development of a basic level of preventive lifestyle practices that research has shown to reduce the chances of developing and/or severity of heart disease, osteoporosis, diabetes, stroke and other chronic diseases. This will include beginning level equipment use, movement and balance exercises. (CSU/UC) (AA/AS-E)

ES-021B**Intermediate Fitness for Chronic Disease And Injury Prevention****1.5 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in ES 021A or equivalent or specified skill competencies.

1.0 hours lecture, 2.0 hours laboratory

This course is a continuation of ES 021A providing physical activity and information to meet the needs of a population at risk for chronic disease or injury that potentially reduce the quality of life. Principles of physical fitness, conditioning, and other relevant health-related topics will be covered. Emphasis will be placed on the development of an intermediate level of preventive lifestyle practices that research has shown to reduce the chances of developing and/or severity of heart disease, osteoporosis, diabetes, stroke and other chronic diseases. This will include added complexity of equipment use, movement and balance exercises to achieve an increased level of fitness. (CSU/UC) (AA/AS-E)

ES-021C**Advanced Fitness for Chronic Disease and Injury Prevention****1.5 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in ES 021B or equivalent or specified skill competencies.

1.0 hours lecture, 2.0 hours laboratory

This course is a continuation of ES 021B providing physical activity and information to meet the needs of a population at risk for chronic disease or injury that potentially reduce the quality of life. Principles of physical fitness, conditioning, and other relevant health-related topics will be covered. Emphasis will be placed on the development of an advanced level of preventive lifestyle practices that research has shown to reduce the chances of developing and/or severity of heart disease, osteoporosis, diabetes, stroke and other chronic diseases. This will include added highly complex equipment use, movement and balance exercises to achieve an increased level of fitness. (CSU/UC) (AA/AS-E)

ES-022**Total Body Conditioning****1 UNITS**

1.0 hours lecture, 1.0 hours laboratory

This purpose of this course is to provide students with an exercise program designed to develop the key components of health-related physical fitness: cardiorespiratory endurance, muscular strength, muscular endurance, flexibility, and body composition. Emphasis will be placed on the latest scientific theories and conditioning modalities, and how to apply the principles to a home-based and lifelong conditioning program. Activities focus on a wide range of aerobic circuits, body weight activities, calisthenic-type exercises, and stability/mobility movements. In addition, students will explore nutrition principles and other factors for making healthy lifestyle choices. (CSU/UC) (AA/AS-E)

ES-023A**Beginning Resistance Training****1 UNITS**

1.0 hours lecture, 1.0 hours laboratory

This course provides instruction and practice in resistance training with emphasis in beginning level use of resistance exercise machines, free weights, and other equipment. Emphasis will be placed on the latest scientific theories and correct lifting techniques of resistance training. The students will develop a personalized muscular strength, muscular endurance, and flexibility program. Students will also learn the fundamental principles of physical fitness and their impact on a life-long health and wellness. (CSU/UC) (AA/AS-E)

ES-023B**Intermediate Resistance Training****1 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in ES 023A or equivalent or specified skill competencies.

1.0 hours lecture, 1.0 hours laboratory

A continuation of ES 023A, this course provides instruction and practice in resistance training with emphasis in intermediate level use of resistance exercise machines, free weights, and other equipment. Emphasis will be placed on the latest scientific theories and correct lifting techniques of resistance training. Students will develop a personalized intermediate level muscular strength, muscular endurance, and flexibility program. Students will also learn the fundamental principles of physical fitness and their impact on a life-long health and wellness. (CSU/UC) (AA/AS-E)

ES-023C**Advanced Resistance Training****1 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in ES 023B or equivalent or specified skill competencies.

1.0 hours lecture, 1.0 hours laboratory

A continuation of ES 023B, this course provides instruction and practice in resistance training with emphasis in advanced level use of resistance exercise equipment. Emphasis will be placed on the latest scientific theories and correct lifting techniques of resistance training specifically for power and Olympic lifts and plyometrics. Students will develop a personalized muscular strength, muscular endurance, and flexibility program. Students will also learn the fundamental principles of physical fitness and their impact on a life-long health and wellness.

ES-024A**Beginning Fitness Boot Camp****1 UNITS**

1.0 hours lecture, 1.0 hours laboratory

This course presents a fast-paced, regimented-style exercise program designed at a beginning level that works the entire body through the use of calisthenics, running, body resistance training and agility drills designed to promote physical fitness and weight control. Using a variety of activities, emphasis will be placed on self-discipline, intensity, and goal-oriented basic exercise programming. The course will utilize numerous training modalities including cross-training, basic boxing, plyometrics, speed and agility, core stability, flexibility training as well as cardiovascular endurance. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness. (CSU/UC) (AA/AS-E)

ES-024B**Intermediate Fitness Boot Camp****1 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in ES 024A or equivalent or specified skill competencies.

1.0 hours lecture, 1.0 hours laboratory

A continuation of ES 024A emphasizing the development of an intermediate program of fast-paced, regimented style exercise that works the entire body through the use of calisthenics, running, body resistance training and agility drills designed to promote physical fitness and weight control. Using a variety of relatively complex and moderately intense activities, emphasis will be placed on self-discipline, intensity, and goal-oriented intermediate exercise programming. The course will utilize numerous training modalities including cross-training, basic boxing, plyometrics, speed and agility, core stability, flexibility training as well as cardiovascular endurance. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness. (CSU/UC) (AA/AS-E)

ES-024C**Advanced Fitness Boot Camp****1 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in ES 024B or equivalent or specified skill competencies.

1.0 hours lecture, 1.0 hours laboratory

A continuation of ES 024B emphasizing the development of an advanced program of fast-paced, regimented style exercise that works the entire body through the use of calisthenics, running, body resistance training and agility drills designed to promote physical fitness and weight control. Using a variety of highly intense activities having challenging complexity, emphasis will be placed on self-discipline, intensity, and goal-oriented advanced exercise programming. The course will utilize numerous training modalities including cross-training, basic boxing, plyometrics, speed and agility, core stability, flexibility training as well as cardiovascular endurance. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness. (CSU/UC) (AA/AS-E)

ES-026**Stress Reduction Through Movement and Mindfulness****1 UNITS**

1.0 hours lecture, 1.0 hours laboratory

The course serves as an introduction to stress-reduction practice with emphasis on developing mindfulness-based techniques to improve mind-body awareness. Students will participate in a variety of techniques and practical movement exercises that allow for in-depth personal exploration of awareness in everyday life. In addition, students will learn the fundamental principles of physical fitness and their impact on life-long health and wellness. (CSU/UC) (AA/AS-E)

ES-027A**Beginning T'ai Chi Ch'uan****1 UNITS**

1.0 hours lecture, 1.0 hours laboratory

This course introduces the fundamental concepts of T'ai Chi Ch'uan. This ancient Chinese exercise form consists of a series of classical martial arts postures which gracefully flow together in slow motion. It benefits health and wellness by emphasizing mental tranquility, inner awareness, relaxation, stress reduction, muscle control and flexibility. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness. (CSU/UC) (AA/AS-E)

ES-027B**Intermediate T'ai Chi Ch'uan****1 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in ES 027A or equivalent or specified skill competencies.

1.0 hours lecture, 1.0 hours laboratory

This course introduces the intermediate concepts of T'ai Chi Ch'uan. This ancient Chinese exercise form consists of a series of classical martial arts postures which gracefully flow together in slow motion. It benefits health and wellness by emphasizing mental tranquility, inner awareness, relaxation, stress reduction, muscle control and flexibility. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness. (CSU/UC) (AA/AS-E)

ES-027C**Advanced T'ai Chi Ch'uan****1 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in ES 027B or equivalent or specified skill competencies.

1.0 hours lecture, 1.0 hours laboratory

This course introduces the advanced concepts of T'ai Chi Ch'uan. This ancient Chinese exercise form consists of a series of classical martial arts postures which gracefully flow together in slow motion. It benefits health and wellness by emphasizing mental tranquility, inner awareness, relaxation, stress reduction, muscle control and flexibility. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness. (CSU/UC) (AA/AS-E)

ES-028A**Beginning Yoga****1.5 UNITS**

1.0 hours lecture, 2.0 hours laboratory

This course is designed to help students increase flexibility and balance as well as practice relaxation and stress reduction through beginning Hatha Yoga techniques. The course will focus on safe, effective stretching, balance, stability of supporting muscle groups and breathing techniques. Discussion regarding history and the traditions of Hatha Yoga as well as stress reduction will take place. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness. (CSU/UC) (AA/AS-E)

ES-028B**Intermediate Yoga****1.5 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in ES 028A or equivalent or specified skill competencies.

1.0 hours lecture, 2.0 hours laboratory

A continuation of ES 028A emphasizing the development of an intermediate level of flexibility and balance, as well as practice relaxation and stress reduction through Hatha Yoga techniques. The course will focus on safe, effective stretching, balance, stability of supporting muscle groups and breathing techniques. Intermediate poses and techniques will be introduced to increase flexibility, strength, balance, and deeper levels of stress reduction. Discussion of the history and traditions of Hatha Yoga and stress reduction methods will take place. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness. (CSU/UC) (AA/AS-E)

ES-028C**Advanced Yoga****1.5 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in ES 028B or equivalent or specified skill competencies.

1.0 hours lecture, 2.0 hours laboratory

A continuation of ES 028B emphasizing the development of an advanced level of flexibility and balance, as well as the practice of relaxation and stress reduction through Hatha Yoga techniques. The course will focus on safe, effective stretching, balance, stability of supporting muscle groups and breathing techniques. Advanced poses and techniques will be introduced to increase flexibility, strength, balance, and deeper levels of stress reduction. Discussion of the history and traditions of Hatha Yoga will take place. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness. (CSU/UC) (AA/AS-E)

ES-029**Adapted Yoga****1 UNITS**

1.0 hours lecture, 1.0 hours laboratory

This course provides basic yoga skills and practice for students with verified disabilities. Emphasis on muscular endurance, balance, flexibility, relaxation and stress reduction through modified traditional yoga postures and stretches. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness. (CSU/UC) (AA/AS-E)

ES-030**Adaptive Aquatic Sports Education****1 UNITS**

1.0 hours lecture, 1.0 hours laboratory

A class for students with verified disabilities providing various aquatic sports and activities. This class is designed to offer the student experiences in competitive swimming, water polo, other aquatic games and conditioning exercises. Personalized programs will be designed and developed. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness. (CSU/UC) (AA/AS-E)

ES-035**Adapted Swimming Limited****1 UNITS**

1.0 hours lecture, 1.0 hours laboratory

This course offers instruction and practice in basic swimming and aquatic skills for students with verified disabilities. Emphasis on cardiorespiratory and muscular endurance, stroke mechanics and water safety through a personalized aquatic program. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness. (CSU/UC) (AA/AS-E)

ES-037A**Beginning Springboard Diving****1 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in ES 039 or equivalent or basic swimming/water safety skills.

1.0 hours lecture, 1.0 hours laboratory

Instruction and practice in beginning diving skills necessary to use the one meter and three meter diving boards with emphasis on board work, front and back approaches, front and back jumps, and front and back line-ups. Individuals enrolling in this class should have basic swimming skills. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness. (CSU/UC) (AA/AS-E)

ES-037B**Intermediate Springboard Diving****1 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in ES 037A or equivalent or specified skill competencies; and a "C" grade or higher or "Pass" in ES 039 or equivalent or basic swimming/water safety skills.

1.0 hours lecture, 1.0 hours laboratory

Instruction and practice in the intermediate diving skills necessary to use the one meter board with emphasis on board work, front and back approaches, front and back jumps, and front and back line-ups. Individuals enrolling in this class should have beginning swimming skills. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness. (CSU/UC) (AA/AS-E)

ES-037C**Advanced Springboard Diving****1 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in ES 037B or equivalent or specified skill competencies; and a "C" grade or higher or "Pass" in ES 039 or equivalent or basic swimming/water safety skills.

1.0 hours lecture, 1.0 hours laboratory

Instruction and practice in advanced diving skills necessary to use the one meter and three meter boards with emphasis on board work, front and back approaches, front and back jumps, and front and back line-ups. Individuals enrolling in this class should have basic swimming skills. Students will also learn the fundamental principles of physical fitness and their impact on life-long health. (CSU/UC) (AA/AS-E)

ES-039**Swimming for Nonswimmers****1 UNITS**

1.0 hours lecture, 1.0 hours laboratory

This class is for students who have a fear of the water and cannot swim or who are so deficient in basic aquatic skills that they would be unsafe in and around water. This class will aid students to become comfortable and safe in an aquatic environment. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness. (CSU/UC) (AA/AS-E)

ES-040A**Beginning Aquatic Fitness****1 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in ES 039 or basic comfort level in and around an aquatic environment.

1.0 hours lecture, 1.0 hours laboratory

Instruction and practice in water aerobics exercise. An emphasis will be placed on the development of a basic level of conditioning in the areas of muscular strength and endurance, improvement and efficiency of the cardiovascular system, and improving body composition. Beginning level movement patterns in the water while using resistive and flotation equipment. Principles of physical fitness, conditioning, and other relevant health-related topics will also be covered. (CSU/UC) (AA/AS-E)

ES-040B**Intermediate Aquatic Fitness****1 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in ES 040A or equivalent or specified skill competencies.

1.0 hours lecture, 1.0 hours laboratory

A continuation of aquatic fitness ES 040A. An emphasis will be placed on the development of an intermediate level of conditioning in the areas of muscular strength and endurance, improvement and efficiency of the cardiovascular system, and improving body composition. More intense intermediate level movement patterns in the water while using resistive and flotation equipment. Principles of physical fitness, conditioning, and other relevant health-related topics will also be covered. (CSU/UC) (AA/AS-E)

ES-040C**Advanced Aquatic Fitness****1 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in ES 040B or equivalent or specified skill competencies.

1.0 hours lecture, 1.0 hours laboratory

A continuation of aquatic fitness ES 040B. An emphasis will be placed on the development of an advanced level of conditioning in the areas of muscular strength and endurance, improvement and efficiency of the cardiovascular system, and improving body composition. More intense advanced level movement patterns in the water while using resistive and flotation equipment. Principles of physical fitness, conditioning, and other relevant health-related topics will also be covered. (CSU/UC) (AA/AS-E)

ES-041**Adapted Water Aerobics****1.5 UNITS**

1.0 hours lecture, 2.0 hours laboratory

This class is designed to provide a personalized water exercise program for individuals with permanent or temporary limitations. Instruction and practice will include cardiovascular endurance, muscular endurance, flexibility, core strength and balance through an instructor-lead water aerobic class. Instruction will also include influences of basic nutrition, principles of physical fitness and life-long health and wellness. (CSU/UC) (AA/AS-E)

ES-043A**Beginning Swimming****1 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in ES 039 or equivalent or specified skill competencies.

1.0 hours lecture, 1.0 hours laboratory

This course is designed for students who have had little or no swimming experience. Instruction will focus on basic swimming strokes and skills for beginners. Strokes and skills to be covered include front crawl with rotational breathing, swimming proprioception, elementary backstroke, backstroke, sidestroke, breaststroke, comfort in the deep end of the pool, treading water, and basic dive entering. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness. (CSU/UC) (AA/AS-E)

ES-043B**Intermediate Swimming****1 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in ES 043A or equivalent or specified skill competencies.

1.0 hours lecture, 1.0 hours laboratory

This course is a continuation of ES 043A with instruction focusing on reinforcing swimming strokes and skills for beginners. Strokes and skills to be covered include front crawl with rotational breathing, swimming proprioception, elementary backstroke, backstroke, sidestroke, breaststroke, comfort in the deep end of the pool, treading water, and basic dive entering. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness. (CSU/UC) (AA/AS-E)

ES-043C**Advanced Swimming****1 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in ES 043B or equivalent or specified skill competencies.

1.0 hours lecture, 1.0 hours laboratory

This course is a continuation of ES 043B with instruction focusing on advanced swimming strokes and skills. Strokes and skills to be covered include front crawl with rotational breathing, backstroke, sidestroke, breaststroke, 50-meter lap swim, treading water, flip turns, and competitive dive entering. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness. (CSU/UC) (AA/AS-E)

ES-044A**Beginning Lap Swimming for Health and Fitness****1 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in ES 039 or equivalent or specified skill competencies.

1.0 hours lecture, 1.0 hours laboratory

This course is designed for beginning lap swimmers who have acquired basic swimming techniques. Students are instructed in beginning level workouts which will improve cardiovascular endurance. Flexibility, exercises, nutrition and proper training techniques will be included in the course of study. Principles of physical fitness, conditioning and other relevant health-related topics will also be covered. (CSU/UC) (AA/AS-E)

ES-044B**Intermediate Lap Swimming for Health and Fitness 1 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in ES 044A or equivalent or specified skill competencies.

1.0 hours lecture, 1.0 hours laboratory

This course is designed for lap swimmers who have acquired intermediate swimming techniques. Students are instructed in intermediate level workouts which will improve cardiovascular endurance. Flexibility, exercises, nutrition and proper training techniques will be included in the course of study. Principles of physical fitness, conditioning and other relevant health-related topics will also be covered. (CSU/UC) (AA/AS-E)

ES-044C**Advanced Lap Swimming for Health and Fitness 1 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in ES 044B or equivalent or specified skill competencies.

1.0 hours lecture, 1.0 hours laboratory

This course is designed for lap swimmers who have acquired advanced swimming techniques. Students are instructed in advanced level workouts which will improve cardiovascular endurance. Flexibility, exercises, nutrition and proper training techniques will be included in the course of study. Principles of physical fitness, conditioning and other relevant health-related topics will also be covered. (CSU/UC) (AA/AS-E)

ES-047**Lifeguard Training 2 UNITS**

Prerequisite: Successful completion of ES-043B or equivalent.

Demonstrated ability to swim 500 yards continuously using these strokes in the following order: 200 yards of front crawl using rhythmic breathing and a stabilizing, propellant kick; 100 yards breaststroke; 200 yards of either front crawl or breaststroke (these 200 yards may be a mixture of front crawl and breaststroke). Swim 20 yards using front crawl or breaststroke, surface dive to a depth of 7-10 feet, retrieve a 10-pound object, return to surface, and swim 20 yards back to the starting point with the object.

2.0 hours lecture, 1.0 hours laboratory

Prerequisite: A "C" grade or higher or "Pass" in ES 043B or equivalent.

Demonstrated ability to swim 500 yards continuously using these strokes in the following order: 200 yards of front crawl using rhythmic breathing and a stabilizing, propellant kick; 100 yards breaststroke; 200 yards of either front crawl or breaststroke (these 200 yards may be a mixture of front crawl and breaststroke). Swim 20 yards using front crawl or breaststroke, surface dive to a depth of 7-10 feet, retrieve a 10-pound object, return to surface, and swim 20 yards back to the starting point with the object. Instruction in lifeguarding and lifesaving techniques, cardiopulmonary resuscitation, and basic first aid that will facilitate successful completion of the American National Red Cross Lifeguard Training Certificate, Community First Aid & Safety Certificate, and CPR For The Professional Rescuer Certificate. (CSU/UC)

ES-051**American Red Cross Water Safety Instructors 2 UNITS**

Prerequisite: Successful completion of Exercise Science 043B or equivalent. Students must also have (or obtain as part of the first week of this course) a current Fundamentals of Instructor Training Certificate and be a minimum of 17 years of age.

2.0 hours lecture, 1.0 hours laboratory

Prerequisite: A C grade or higher or Pass in ES 043B or equivalent. Students must also have (or obtain as part of the first week of this course) a current Fundamentals of Instructor Training Certificate and be a minimum of 17 years of age. Successful completion of this class would lead to authorization by the American Red Cross as a Water Safety Instructor. Teaching techniques involved in swimming, community water safety and emergency water safety will be covered. The first week of this course will contain the instruction needed to pass the exam for the required Fundamentals of Instructor Training Certificate (F.I.T.). Students must successfully pass the F.I.T. exam to continue with the remainder of the course. (CSU/UC)

ES-060A**Beginning Badminton 1 UNITS**

1.0 hours lecture, 1.0 hours laboratory

Presentation of the official singles and doubles games including the six basic strokes, footwork, strategy and etiquette. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness. (CSU/UC) (AA/AS-E)

ES-060B**Intermediate Badminton 1 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in ES 060A or equivalent or specified skill competencies.

1.0 hours lecture, 1.0 hours laboratory

Continuation of ES 060A with emphasis on intermediate level skill mastery, strategies and match play in both singles and doubles. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness. (CSU/UC) (AA/AS-E)

ES-060C**Advanced Badminton 1 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in ES 060B or equivalent or specified skill competencies.

1.0 hours lecture, 1.0 hours laboratory

Continuation of ES 060B with emphasis on advanced level skill mastery, strategies and match play in both singles and doubles. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness. (CSU/UC) (AA/AS-E)

ES-061A**Beginning Pickleball 1 UNITS**

1.0 hours lecture, 1.0 hours laboratory

This is a beginning pickleball course in which students will develop the basic skills to play the game of pickleball. Instructional focus includes the overhead and underhand groundstrokes, volleys, serves, racket grips, and footwork. Students will learn court diagram and markings, and fundamental strategies and rules used in both singles and doubles play. Fundamental principles of physical fitness and their impact on life-long health and wellness will also be taught.

ES-061B**Intermediate Pickleball****1 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in ES 061A or equivalent or specified skill competencies.

1.0 hours lecture, 1.0 hours laboratory

This is a continuation of ES 061A with an emphasis on instructing the intermediate skills levels of pickleball. Instructional focus includes the overhead, underhand, forehand, and backhand groundstrokes, volleys, drop, cut, and lob serves. Students will learn intermediate strategies and rules used in singles and doubles and cut-throat play. Fundamental principles of physical fitness and their impact on life-long health and wellness will also be taught. (CSU/UC) (AA/AS-E)

ES-061C**Advanced Pickleball****1 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in ES 061B or equivalent or specified skill competencies.

1.0 hours lecture, 1.0 hours laboratory

This is a continuation of ES 061B with an emphasis on instructing the advanced skills levels of pickleball. Instructional focus includes the overhead, underhand, forehand, and backhand groundstrokes, volleys, drop, cut, lob serves, and overhand smash and drop shots. Students will learn advanced strategies and rules used in singles and doubles and cut-throat play. Fundamental principles of physical fitness and their impact on life-long health and wellness will also be taught. (CSU/UC) (AA/AS-E)

ES-076A**Beginning Tennis****1 UNITS**

1.0 hours lecture, 1.0 hours laboratory

Introduction to the basic skills and strategies of tennis. Instruction in all primary strokes in both singles and doubles play. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness. (CSU/UC) (AA/AS-E)

ES-076B**Intermediate Tennis****1 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in ES 076A or equivalent or specified skill competencies.

1.0 hours lecture, 1.0 hours laboratory

Continuation of ES 076A with emphasis on individual stroke analysis, playing strategy and match play. Instruction in all strokes in both singles and double play. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness. (CSU/UC) (AA/AS-E)

ES-076C**Advanced Tennis****1 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in ES 076B or equivalent or specified skill competencies.

1.0 hours lecture, 1.0 hours laboratory

Continuation of ES 076B with emphasis on advanced techniques, strategies and tactics for play in singles, doubles and mixed doubles play. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness. (CSU/UC) (AA/AS-E)

ES-125A**Beginning Golf****1 UNITS**

1.0 hours lecture, 1.0 hours laboratory

Instruction and practice in basic golf skills including swing, stance and grip as well as rules and golf course etiquette. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness. (CSU/UC) (AA/AS-E)

ES-125B**Intermediate Golf****1.5 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in ES 125A or equivalent or specified skill competencies.

1.0 hours lecture, 2.0 hours laboratory

Continuation of ES 125A with emphasis on technique improvement in all basic golf skills. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness. (CSU/UC) (AA/AS-E)

ES-125C**Advanced Golf****1.5 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in ES 125B or equivalent or specified skill competencies.

1.0 hours lecture, 2.0 hours laboratory

Continuation of ES 125B with emphasis on advanced techniques, strategies and tournament play. Individuals enrolling in this course must furnish their own equipment and pay green fees. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness. (CSU/UC) (AA/AS-E)

ES-130A**Beginning Gymnastics****1 UNITS**

1.0 hours lecture, 1.0 hours laboratory

Beginning gymnastics skills developed and practiced on all the Olympic events for women and men. Emphasis on individual skill acquisition, and performance of gymnastics skills and routines. Topics specific to men's and women's gymnastics will be presented and discussed. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness. (CSU/UC) (AA/AS-E)

ES-130B**Intermediate Gymnastics****1.5 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in ES 130A or equivalent or specified skill competencies.

1.0 hours lecture, 2.0 hours laboratory

Intermediate gymnastics skills developed and practiced on all the Olympic events for women and men. Emphasis on individual skill acquisition, improvement and performance of gymnastics skills and routines. Topics specific to men's and women's gymnastics will be presented and discussed. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness. (CSU/UC) (AA/AS-E)

ES-130C**Advanced Gymnastics****1.5 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in ES 130B or equivalent or specified skill competencies.

1.0 hours lecture, 2.0 hours laboratory

Advanced gymnastics skills developed and practiced on all the Olympic events for women and men. Emphasis on individual skill acquisition, improvement and performance of gymnastics skills and routines. Topics specific to men's and women's gymnastics will be presented and discussed. Students will also learn the fundamentals of physical fitness and their impact on life-long health and wellness. (CSU/UC) (AA/AS-E)

ES-155A**Beginning Basketball****1 UNITS**

1.0 hours lecture, 1.0 hours laboratory

Instruction and practice in the basic skills of basketball with emphasis on individual skill development and team play. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness. (CSU/UC) (AA/AS-E)

ES-155B**Intermediate Basketball****1 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in ES 155A or equivalent or specified skill competencies.

1.0 hours lecture, 1.0 hours laboratory

Continuation of ES 155A with emphasis on intermediate level individual skill development, team play, defensive/offensive tactics and team strategies. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness. (CSU/UC) (AA/AS-E)

ES-155C**Advanced Basketball****1 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in ES 155B or equivalent or specified skill competencies.

1.0 hours lecture, 1.0 hours laboratory

Continuation of ES 155B with emphasis on advanced level individual skill development and team play, defensive/offensive tactics and team strategies. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness. (CSU/UC) (AA/AS-E)

ES-170A**Beginning Soccer****1 UNITS**

1.0 hours lecture, 1.0 hours laboratory

Instruction and practice in the basic skills, rules, and strategies of soccer with emphasis on individual skill development and team play. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness. (CSU/UC) (AA/AS-E)

ES-170B**Intermediate Soccer****1 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in ES 170A or equivalent or specified skill competencies.

1.0 hours lecture, 1.0 hours laboratory

Continuation of ES 170A with emphasis on intermediate skills, rules, and strategies of soccer. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness. (CSU/UC) (AA/AS-E)

ES-170C**Advanced Soccer****1 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in ES 170B or equivalent or specified skill competencies.

1.0 hours lecture, 1.0 hours laboratory

Continuation of ES 170B with emphasis on advanced skills, rules, and strategies of soccer. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness. (CSU/UC) (AA/AS-E)

ES-171A**Beginning Softball****1 UNITS**

1.0 hours lecture, 1.0 hours laboratory

Instruction in the basic techniques, fundamental skills, history and rules of softball. Emphasis will be placed on beginning level individual and team skills, as well as basic strategy. Students will also learn the fundamentals of physical fitness and their impact on life-long health and wellness. (CSU/UC) (AA/AS-E)

ES-171B**Intermediate Softball****1 UNITS**

Recommended Preparation: A "C" grade or higher or "Pass" in ES 171A or equivalent or specified skill competencies.

1.0 hours lecture, 1.0 hours laboratory

Instruction in intermediate techniques, skills, and rules as well as basic history of softball. Emphasis will be placed on intermediate level individual and team skills, as well as basic strategy. Students will also learn the fundamentals of physical fitness and their impact on life-long health and wellness. (CSU/UC) (AA/AS-E)

ES-171C**Advanced Softball****1 UNITS**

Recommended Preparation: A "C" grade or higher or "Pass" in ES 171B or equivalent or specified skill competencies.

1.0 hours lecture, 1.0 hours laboratory

Instruction in advanced techniques, skills and rules as well as basic history of softball. Emphasis will be placed on advanced level individual and team skills, as well as basic and advanced strategies. Students will also learn the fundamentals of physical fitness and their impact on life-long health and wellness. (CSU/UC) (AA/AS-E)

ES-172A**Beginning Baseball****1 UNITS**

1.0 hours lecture, 1.0 hours laboratory

Instruction in the basic techniques, fundamental skills, history and rules of baseball. Emphasis will be placed on beginning level individual and team skills, as well as basic strategy. Students will also learn the fundamentals of physical fitness and their impact on life-long health and wellness. (CSU/UC) (AA/AS-E)

ES-172B**Intermediate Baseball****1 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in ES 172A or equivalent or specified skill competencies.

1.0 hours lecture, 1.0 hours laboratory

Instruction in intermediate techniques, skills, history, and rules of baseball. Emphasis will be placed on intermediate level individual and team skills, as well as strategy. Students will also learn the fundamentals of physical fitness and their impact on life-long health and wellness. (CSU/UC) (AA/AS-E)

ES-172C**Advanced Baseball****1 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in ES 172B or equivalent or specified skill competencies.

1.0 hours lecture, 1.0 hours laboratory

Instruction in advanced techniques, skills and rules of baseball. Emphasis will be placed on advanced level individual and team skills, as well as strategy. Students will also learn the fundamentals of physical fitness and their impact on life-long health and wellness. (CSU/UC) (AA/AS-E)

ES-175A**Beginning Volleyball****1 UNITS**

1.0 hours lecture, 1.0 hours laboratory

Instruction and practice in the basic levels of volleyball with emphasis on individual skill development and team play. Topics specific to men's and women's volleyball will be presented and discussed. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness. (CSU/UC) (AA/AS-E)

ES-175B**Intermediate Volleyball****1 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in ES 175A or equivalent or specified skill competencies.

1.0 hours lecture, 1.0 hours laboratory

Continuation of ES 175A with emphasis on intermediate level volleyball skills, tactics and strategies. Topics specific to men's and women's volleyball will be presented and discussed. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness. (CSU/UC) (AA/AS-E)

ES-175C**Advanced Volleyball****1 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in ES 175B or equivalent or specified skill competencies.

1.0 hours lecture, 1.0 hours laboratory

Continuation of ES 175B with emphasis on advanced level volleyball skills, tactics and strategies. Topics specific to men's and women's volleyball will be presented and discussed. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness. (CSU/UC) (AA/AS-E)

ES-176A**Beginning Beach Volleyball****1 UNITS**

1.0 hours lecture, 1.0 hours laboratory

This course introduces the fundamental skills of Beach Volleyball, including passing, hitting, spiking (attacking), blocking, and serving, as well as beginning concepts of team strategies and tournament play. Topics specific to men's and women's beach volleyball will be presented and discussed. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness. (CSU/UC) (AA/AS-E)

ES-176B**Intermediate Beach Volleyball****1 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in ES 176A or equivalent or specified skill competencies.

1.0 hours lecture, 1.0 hours laboratory

A continuation of ES 176A emphasizing the development of intermediate skills of Beach Volleyball, including passing, hitting, spiking (attacking), cut shots, blocking, and serving, as well as intermediate concepts of team strategies and tournament play. Topics specific to men's and women's beach volleyball will be presented and discussed. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness. (CSU/UC) (AA/AS-E)

ES-176C**Advanced Beach Volleyball****1 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in ES 176B or equivalent or specified skill competencies.

1.0 hours lecture, 1.0 hours laboratory

A continuation of ES 176B emphasizing the development of advanced skills of Beach Volleyball, including passing, hitting, spiking (attacking), kills and cut shots, cross-court blocking, and serving, as well as team strategies and tournament play. Topics specific to men's and women's beach volleyball will be presented and discussed. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness. (CSU/UC) (AA/AS-E)

ES-180**Self-Defense for Women****1 UNITS**

1.0 hours lecture, 1.0 hours laboratory

Basic principles of practical personal protection for women, with emphasis placed on awareness and prevention of situations that may leave a person vulnerable to crime, especially rape. Physical skill acquisition, mental training, and verbal responses will be taught and practiced so students may develop the confidence to stand up and defend themselves. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness. (CSU/UC) (AA/AS-E)

ES-185A**Beginning Fencing****1.5 UNITS**

1.0 hours lecture, 2.0 hours laboratory

Instruction and practice in the basic fundamentals of the French foil including individual skills and bouting, terminology and beginning tactics. Topics specific to fencing will be presented and discussed. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness. (CSU/UC) (AA/AS-E)

ES-185B**Intermediate Fencing****1.5 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in ES 185A or equivalent or specified skill competencies.

1.0 hours lecture, 2.0 hours laboratory

Continuation of ES 185A with emphasis on the development of intermediate level proficiency in individual skills and bouting tactics with the French foil. Topics specific to fencing will be presented and discussed. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness. (CSU/UC) (AA/AS-E)

ES-185C**Advanced Fencing****1.5 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in ES 185B or equivalent or specified skill competencies.

1.0 hours lecture, 2.0 hours laboratory

Continuation of ES 185B with emphasis on the development of advanced skills. Strategies and tactics mastery with the French foil in a bouting format. Topics specific to fencing will be presented and discussed. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness. (CSU/UC) (AA/AS-E)

ES-194**Community Service Learning Experience****1 UNITS**

Community Service Learning Experience (CSLE) is a community outreach program which promotes the national agenda of volunteer engagement. The purpose is to provide students an opportunity to explore options and careers in a selected area of study. This course includes placement in a community based site. (CSU) 5 hours work experience per week, 60 volunteer hours or 75 paid hours.

ES-200**Conditioning and Injury Prevention for Athletics****1.5 UNITS**

1.0 hours lecture, 2.0 hours laboratory

This class emphasizes physical conditioning, mastery of the basic fundamentals of efficient movement and the skills necessary to reduce the risk of injury associated with intercollegiate athletics. Instruction and practice in conditioning activities, running, and resistance and agility exercises will take place. (CSU/UC)

ES-201**Conditioning and Injury Prevention for Football 1.5 UNITS**

1.0 hours lecture, 2.0 hours laboratory

This class emphasizes physical conditioning, mastery of the basic fundamentals of efficient movement and skills necessary to reduce the risk of injury associated with intercollegiate football. Instruction and practice in conditioning activities, running and resistance exercises will take place. Emphasis will be placed on conditioning specific to positions played. (CSU/UC)

ES-202**Condition and Injury Prevention for Beach Volleyball 1.5 UNITS**

1.0 hours lecture, 2.0 hours laboratory

This class emphasizes physical conditioning, mastery of the fundamentals of efficient movement and skills necessary to reduce the risk of injury associated with beach volleyball. Instruction and practice in conditioning activities, running, resistance and agility exercises will take place. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness. (CSU, UC)

ES-203**Intercollegiate Baseball 3 UNITS**

Prerequisite: Tryout

10.0 hours laboratory

Intercollegiate competition in the sport of baseball. This course includes instruction in specific skills, performance techniques and strategies, as well as daily practice, development of physical fitness, team travel and competition against other collegiate institutions. The course is open to all students who wish to try out for competition at the intercollegiate level. An additional fee for athletic insurance is required upon enrollment. (CSU/UC)

ES-204**Advanced Techniques and Strategies of Intercollegiate Baseball 1 UNITS**

1.0 hours lecture, 1.0 hours laboratory

Advanced techniques, fundamental skills and rules of baseball. Team competition play to increase students' skills. Open to students of advanced skill and primarily designed for those planning to participate in the varsity program or to further one's education in baseball. Serves as the Non-Traditional Season (NTS) preparation course for the intercollegiate team. (CSU/UC)

ES-206**Intercollegiate Basketball 3 UNITS**

Prerequisite: Tryout

10.0 hours laboratory

Intercollegiate competition in the sport of basketball. This course includes instruction in specific skills, performance techniques and strategies, as well as daily practice, development of physical fitness, team travel and competition against other collegiate institutions. The course is open to all students who wish to try out for competition at the intercollegiate level. An additional fee for athletic insurance is required upon enrollment. (CSU/UC)

ES-207**Advanced Techniques and Strategies of Intercollegiate Basketball 1 UNITS**

1.0 hours lecture, 1.0 hours laboratory

The instruction and practice in the advanced techniques and strategies of basketball. The course incorporates game experience in which to formulate an understanding by the student of the different styles of play. Serves as the Non-Traditional Season (NTS) preparation course for the intercollegiate team. (CSU/UC)

ES-208**Advanced Techniques and Strategies of Intercollegiate Cross Country 1 UNITS**

1.0 hours lecture, 1.0 hours laboratory

This course is designed for students with advanced cross country skills and includes instruction and practice in the advanced techniques and strategies of cross country. The course incorporates competitive experiences in which the student will apply different strategies of running. Serves as the Non-Traditional Season (NTS) course for the intercollegiate team. (CSU/UC)

ES-209**Intercollegiate Cross Country 3 UNITS**

Prerequisite: Tryout

10.0 hours laboratory

Open to students who wish to try out in intercollegiate competition in the sport of cross country. This course includes instruction in specific skills, performance techniques and strategies, as well as daily practice, development of physical fitness, team travel and competition against other collegiate institutions. An additional fee for athletics insurance is required upon enrollment. (CSU/UC)

ES-210**Intercollegiate Badminton 3 UNITS**

Prerequisite: Tryout

10.0 hours laboratory

Intercollegiate competition in the sport of badminton. This course includes instruction in specific skills, performance techniques and strategies, as well as daily practice, development of physical fitness, team travel and competition against other collegiate institutions. The course is open to all students who wish to try out at the intercollegiate level. An additional fee for athletic insurance is required upon enrollment. (CSU/UC)

ES-211**Advanced Techniques and Strategies of Intercollegiate Badminton 1 UNITS**

1.0 hours lecture, 1.0 hours laboratory

This course is designed for advanced badminton players who are proficient in the fundamental skills and have knowledge of the basic rules of the game. Instruction is geared toward advanced techniques, strategies, and team play in preparation for intercollegiate competition. Serves as the Non-Traditional Season (NTS) preparation course for the intercollegiate team. (CSU/UC)

ES-212**Intercollegiate Football 3 UNITS**

Prerequisite: Tryout

10.0 hours laboratory

Intercollegiate competition in the sport of football. This course includes instruction in specific skills, performance techniques and strategies, as well as daily practice, development of physical fitness, team travel and competition against other collegiate institutions. The course is open to all students who wish to try out at the intercollegiate level. An additional fee for athletic insurance is required upon enrollment. (CSU/UC)

ES-214**Advanced Techniques and Strategies of Intercollegiate Offensive and Defensive Football 1 UNITS**

1.0 hours lecture, 1.0 hours laboratory

The purpose of this course is to provide training to develop skills and techniques necessary to play various positions in football. These skills are developed by a careful analysis of offensive and defensive techniques practiced in a non-conflict environment. Serves as the Non-Traditional Season (NTS) preparation course for the intercollegiate team. (CSU/UC)

ES-215**Intercollegiate Softball****3 UNITS**

Prerequisite: Tryout

10.0 hours laboratory

Intercollegiate competition in the sport of softball. This course includes instruction in specific skills, performance techniques and strategies, as well as daily practice, development of physical fitness, team travel and competition against other collegiate institutions. The course is open to all female students who wish to try out at the intercollegiate level. An additional fee for athletic insurance is required upon enrollment. (CSU/UC)

ES-216**Advanced Techniques and Strategies of Intercollegiate Softball** 1 UNITS

1.0 hours lecture, 1.0 hours laboratory

This course is designed for students with advanced softball skills and includes instruction and practice in the advanced techniques and strategies of softball. The course incorporates competitive experiences in which the students will apply different styles of play. Serves as the Non-Traditional Season (NTS) preparation course for the intercollegiate team. (CSU/UC)

ES-218**Intercollegiate Soccer****3 UNITS**

Prerequisite: Tryout

10.0 hours laboratory

Intercollegiate competition in the sport of soccer. This course includes instruction in specific skills, performance techniques and strategies, as well as daily practice, development of physical fitness, team travel and competition against other collegiate institutions. The course is open to all students who wish to try out at the intercollegiate level. An additional fee for athletic insurance is required upon enrollment. (CSU/UC)

ES-219**Advanced Techniques and Strategies of Intercollegiate Soccer** 1 UNITS

1.0 hours lecture, 1.0 hours laboratory

This course is designed for students with advanced soccer skills. Instruction and practice in the advanced techniques and strategies of soccer. The course incorporates game experience in which to formulate an understanding by the student of different styles of play. Serves as the Non-Traditional Season (NTS) preparation course for the intercollegiate team. (CSU/UC)

ES-221**Intercollegiate Swimming****3 UNITS**

Prerequisite: Tryout

10.0 hours laboratory

Intercollegiate competition in the sport of swimming. This course includes instruction in specific skills, performance techniques and strategies, as well as daily practice, development of physical fitness, team travel and competition against other collegiate institutions. The course is open to all students who wish to try out at the intercollegiate level. An additional fee for athletic insurance is required upon enrollment. (CSU/UC)

ES-222**Advanced Techniques and Strategies of Intercollegiate Swimming****1 UNITS**

1.0 hours lecture, 1.0 hours laboratory

This course is designed for advanced swimmers who have had previous competitive experience. Emphasis will be placed on conditioning and perfection of the basic fundamentals of strokes and turns in swimming. Serves as the Non-Traditional Season (NTS) preparation course for the intercollegiate team. (CSU/UC)

ES-224**Intercollegiate Tennis****3 UNITS**

Prerequisite: Tryout

10.0 hours laboratory

Intercollegiate competition in the sport of tennis. This course includes instruction in specific skills, performance techniques and strategies, as well as daily practice, development of physical fitness, team travel and competition against other collegiate institutions. The course is open to all students who wish to try out at the intercollegiate level. An additional fee for athletic insurance is required upon enrollment. (CSU/UC)

ES-225**Advanced Techniques and Strategies of Intercollegiate Tennis** 1 UNITS

1.0 hours lecture, 1.0 hours laboratory

This course is designed for advanced tennis players who are proficient in the fundamental skills and have knowledge of the basic rules of the game. Instruction is geared toward advanced techniques, strategies, and team play. Serves as the Non-Traditional Season (NTS) preparation course for the intercollegiate team. (CSU/UC)

ES-228**Intercollegiate Beach Volleyball****3 UNITS**

Prerequisite: Tryout

10.0 hours laboratory

Intercollegiate competition in the sport of Beach Volleyball. This course includes instruction in specific skills, performance techniques and strategies, as well as daily practice, development of physical fitness, team travel and competition against other collegiate institutions. The course is open to all students who wish to try out at the intercollegiate level. An additional fee for athletic insurance is required upon enrollment. (CSU)

ES-229**Advanced Techniques and Strategies of Intercollegiate Beach Volleyball****1 UNITS**

1.0 hours lecture, 1.0 hours laboratory

This course is designed for advanced beach volleyball players who are proficient in the fundamental skills and have knowledge of the basic rules of the game. Instruction is geared toward advanced techniques, strategies, and team play. Serves as the Non-traditional Season (NTS) preparation course for the intercollegiate team. (CSU/UC)

ES-230**Intercollegiate Volleyball****3 UNITS**

Prerequisite: Tryout

10.0 hours laboratory

Intercollegiate competition in the sport of volleyball. This course includes instruction in specific skills, performance techniques and strategies, as well as daily practice, development of physical fitness, team travel and competition against other collegiate institutions. The course is open to all students who wish to try out at the intercollegiate level. An additional fee for athletic insurance is required upon enrollment. (CSU/UC)

ES-231**Advanced Techniques and Strategies of Intercollegiate Volleyball****1 UNITS**

1.0 hours lecture, 1.0 hours laboratory

This course is designed for advanced volleyball players who are proficient in the fundamental skills and have knowledge of the basic rules of the game. Instruction is geared toward advanced techniques, strategies, and team play. Serves as the Non-Traditional Season (NTS) preparation course for the intercollegiate team. (CSU/UC)

ES-233**Intercollegiate Water Polo****3 UNITS**

Prerequisite: Tryout.

10.0 hours laboratory

Intercollegiate competition in the sport of water polo. This course includes instruction in specific skills, performance techniques and strategies, as well as daily practice, development of physical fitness, team travel and competition against other collegiate institutions. The course is open to all students who wish to try out at the intercollegiate level. An additional fee for athletic insurance is required upon enrollment. (CSU/UC)

ES-234**Advanced Techniques and Strategies of Intercollegiate Water Polo****1 UNITS**

1.0 hours lecture, 1.0 hours laboratory

This course is designed for the advanced water polo player who has the fundamental swimming, treading, ball handling skills and knowledge of the basic rules of the game. Technical skills, individual team play and team strategies will be covered. Serves as the Non-Traditional Season (NTS) preparation course for the intercollegiate team. (CSU/UC)

ES-240**Athletic Competition****3 UNITS**

Prerequisite: Tryout.

10.0 hours laboratory

This course is designed to accommodate any in-season student athlete who, due to a class time conflict, is unable to register for the class section for the student's sport. Though enrolled in this class, each student will, in actuality, meet the objectives and complete the course content for the specific intercollegiate sport course in which the student participates (i.e., baseball, volleyball, etc.). An additional fee for athletic insurance is required upon enrollment. (CSU/UC)

ES-250**Introduction to Kinesiology****3 UNITS**

3.0 hours lecture

This course is an introduction to the interdisciplinary approach to the study of human movement. An overview of the concepts within and importance of the sub-disciplines in kinesiology will be discussed along with career opportunities in the areas of teaching, coaching, allied health, dietetic, and fitness professions. (C-ID KIN 100) (CSU/UC)

ES-253**Physical Education in the Elementary Schools****3 UNITS**

2.5 hours lecture, 1.5 hours laboratory

The statewide program in physical education for the elementary school forms the basis for the course, including the study of child development, personality development, analysis and practice of fundamental skills, selection of activities, organizational materials and the evaluation of teaching ability. (CSU)

ES-255**Care and Prevention of Athletic and Recreational Injuries****3 UNITS**

3.0 hours lecture, 1.0 hours laboratory

Students will be introduced to the concepts and skills needed for interacting with clients, athletes, and patients in a sports medicine setting. The class will address the professional career practices in sports medicine for athletic trainers. The course provides an overview for the prevention, response, care, and management of common recreational, orthopedic, and athletic injuries. Lab activities will include application of concepts, assessment techniques, and skill development such as wrapping and taping. (CSU/UC)

ES-262**Technical Analysis and Theory of Football - Offense****1 UNITS**

Corequisite: ES 212

1.0 hours lecture, 1.0 hours laboratory

This course is designed to allow students interested in pursuing a college level football experience to: (1) develop offensive skills and techniques while acquiring knowledge of the game strategically, (2) analyze drills, formations, techniques of running, passing and receiving for later use in coaching or teaching careers, and (3) receive practical experience through offensive skill and conditioning drills to improve technique, agility and footwork. (CSU/UC)

ES-263**Technical Analysis and Theory of Football - Defense****1 UNITS**

Corequisite: ES 212

1.0 hours lecture, 1.0 hours laboratory

This course is designed to allow students interested in pursuing a college level football experience to: (1) develop defensive skills and techniques while acquiring knowledge of the game strategically, (2) analyze drills, formations, techniques of pass coverage, tackling and blocking for later use in coaching or teaching careers, and (3) receive practical experience through defensive skill and conditioning drills to improve technique, agility and footwork. (CSU/UC)

ES-264**Analysis and Theory of Intercollegiate Sport****1 UNITS**

1.0 hours lecture, 1.0 hours laboratory

Students will analyze intercollegiate level theories, techniques, and strategies involved with performance of intercollegiate sports. Students will engage in video and digital analysis, data and statistical analysis, skill and performance evaluation, and a deeper understanding of sports related philosophies. (CSU)

ES-290**Teaching Techniques and Methods in Exercise Science****1.5 UNITS**

1.0 hours lecture, 2.0 hours laboratory

This course provides fundamental hands-on training to students preparing for study in kinesiology or other related fields. This interactive course will provide supervised practical experiences assisting and teaching students in exercise science courses, as well as instruction to aid students with chronic diseases, injuries and physical limitations. Students will work under the direct supervision of an exercise science instructor. (CSU)

ES-291**Anatomy and Kinesiology for Fitness Specialists****3 UNITS**

Corequisite: ES 292.

3.0 hours lecture

This course combines anatomy and kinesiology, addressing the structure of the musculoskeletal system of the human body. Students will study practical applications of muscle groups and their functional relationships to simple mechanical principles. Anatomical and mechanical analysis of motion as it pertains to human movement in exercise will be emphasized. (CSU)

ES-292**Exercise Physiology for Fitness Specialists****3 UNITS**

Corequisite: ES 291.

3.0 hours lecture

This course is a study of human physiological responses, both short and long term, to physical activity and training. Students will examine the effects of exercise and the adaptation to training on the skeletal muscles, nervous system, cardiovascular and respiratory systems, body composition, and fatigue. (CSU)

ES-293**Strength Trainer/Fitness Assessments for Fitness Specialists 2.5 UNITS**

Prerequisite: "C" grade or higher or "Pass" in ES 291 and 292 or equivalent.

Corequisite: ES 294.

2.0 hours lecture, 1.5 hours laboratory

This course covers the mechanics of fitness training, including strength, endurance, and flexibility as well as provides students the necessary knowledge base to select appropriate fitness assessments. Discussion regarding training techniques, optimal workout environments, safety, contraindications, equipment and existing certification programs will help prepare students to work in the fitness industry. Students will evaluate existing standardized assessment batteries for cardiorespiratory endurance, muscular strength, muscular endurance, flexibility, body composition, blood pressure, and cholesterol. (CSU)

ES-294**Exercise Program Design and Special Populations 3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in ES 291 and 292 or equivalent.

Corequisite: ES 293.

3.0 hours lecture

This course addresses the topics of personal training and group exercise leadership in general program design as well as working with special populations. Information focuses on knowledge and skills (behaviors) associated with leading others to become more physically educated and healthy. Students will develop skills related to planning, informing (lecturing and demonstrating), managing learners and the environment, and assessing instructional processes and outcomes. In addition to general leadership development, information regarding exercise and special populations related to cardiac conditions, physical disabilities, diabetes, sensory impairment, seniors, mentally impaired, pregnancy, and infectious diseases will be emphasized. (CSU)

ES-296**Internship Seminar for Fitness Specialists 0.5 UNITS**

Prerequisite: "C" grade or higher or "Pass" in ES 255 and ES 294 and HED 158 or equivalent.

Corequisite: ES 297.

0.5 hours lecture

This course is designed for the student in the Fitness Training Professional certificate program. Students will discuss current issues in the fitness field, insurance, liability, standard business practices, and national certifications. Students apply knowledge of basic anatomy, exercise physiology, kinesiology, personal information gathering, and exercise testing through enrollment in ES 297. (CSU)

ES-297**Internship for Fitness Specialists 1 UNITS**

Prerequisite: "C" grade or higher or "Pass" in ES 255 and ES 294 and HED 158 or equivalent.

A work experience course that provides the student with an opportunity to apply and expand upon acquired skills in a selected fitness industry. Students will gain experience in the field of personal training, group exercise leadership, or other fitness specialties. This course will provide pertinent instruction in fitness testing, program and training development, wellness and health education, and management and administration of health and wellness facilities. Periodic review sessions will be held to assess the students' progress. (CSU) 5 hours work experience per week, 60 volunteer hours or 75 paid hours.

Family Studies (FS)

FS-110

Life Management

3 UNITS

3.0 hours lecture

This course is a study of the different factors affecting one's physical, mental and socio-emotional health in relation to life management. The implication of culture and diversity on belief systems and perception of the world will be examined. Communication, thought processes, and interpersonal relationships will be analyzed for improved self and social awareness. Time and resource management skills will be developed. Special emphasis will be placed on developing critical thinking skills to effectively meet life management challenges. (CSU)

FS-115

Changing American Family

3 UNITS

3.0 hours lecture

A survey of the contemporary American family with emphasis on changes in form, functions and expectations. The history of the family, both public and private, will be considered and examined in relation to the effects of class, ethnicity and social policy. The effects on the family of common life events experienced by individuals and family members will be covered including sexuality, mate selection, marriage, childbearing, the working family, divorce, domestic violence and aging. The future of the family including implications for the individual and society will be discussed. (CSU/UC) (AA/AS-D, CSU-D, IGETC-4)

FS-120

Human Development

3 UNITS

3.0 hours lecture

This course is a study of the dynamic forces influencing the biosocial, social/ emotional and cognitive domains of human development throughout the lifespan. Development tasks faced at each lifespan stage are examined from different theoretical perspectives. Topics, from epigenetic influences to current findings in brain development and end-of-life care, are researched and discussed. (CSU/UC) (AA/AS-D, CSU-D, IGETC-4)

FS-129

Introduction to Human Aging

3 UNITS

3.0 hours lecture

This course focuses on social, economic, physiological and psychological factors which relate to the older adults as their roles in the family and society change. It includes investigation of everyday issues of the aged with emphasis on health, housing, personal economics, family roles, sexuality, spirituality, retirement, and bereavement. (CSU)

French (FREN)

FREN-120

French I

5 UNITS

5.0 hours lecture

An introductory course to the French language and the cultures of its speakers. This course is designed for students with very little or no knowledge of French. It facilitates the practical application of the language in everyday oral and written communication at the beginning level. Since the focus will be on basic communication skills, the class will be conducted in French as much as possible. Students will learn structures that will enable them to function in French in everyday contexts while becoming familiar with the French speaking world. (CSU/UC) (AA/AS-C, CSU-C2, IGETC-6A)

FREN-121

French II

5 UNITS

Prerequisite: "C" grade or higher or "Pass" in FREN 120 or two years of high school French or equivalent.

5.0 hours lecture

French 121 is the continuation of French 120. The course will continue to develop oral and written skills based on practical everyday needs. (CSU/UC) (AA/AS-C, CSU-C2, IGETC-3B,6A)

FREN-152

The French-Speaking World: A Cross-Cultural Perspective

3 UNITS

3.0 hours lecture

Major characteristics of the French-speaking world as reflected in its culture, civilization, and literature. The course will compare French-speaking European countries (such as France, Belgium, Switzerland, Luxembourg) to French-speaking countries of Northern Africa, Sub-Saharan Africa, Canada and the Caribbean. The class is conducted in English. (CSU/UC) (AA/AS-C, CSU-C2, IGETC-3B)

FREN-196

Community Service Learning Experience

1 UNITS

Prerequisite: "C" grade or higher or "Pass" in FREN 120 or equivalent.

Community Service Learning Experience (CSLE) is a community outreach program, which promotes the national agenda of volunteer engagement. The purpose of this course is to provide the student an opportunity to practice and use the French language in a community based site and to explore different career options. (CSU) 5 hours work experience per week, 60 volunteer hours or 75 paid hours.

FREN-220

French III

5 UNITS

Prerequisite: "C" grade or higher or "Pass" in FREN 121 or three years of high school French or equivalent.

5.0 hours lecture

French 220 is the continuation of French 121. The course will continue to develop oral, listening, reading and writing skills in order to acquire proficiency in French. (CSU/UC) (AA/AS-C, CSU-C2, IGETC-3B,6A)

FREN-221

French IV

5 UNITS

Prerequisite: "C" grade or higher or "Pass" in FREN 220 or four years of high school French or equivalent.

5.0 hours lecture

French 221 is the continuation of French 220. The course will continue to develop oral, listening, reading, and writing skills in order to improve proficiency in French. (CSU/UC) (AA/AS-C, CSU-C2, IGETC-3B,6A)

FREN-250

Conversational French I

3 UNITS

Prerequisite: "C" grade or higher or "Pass" in FREN 121 or three years of high school French or equivalent.

3.0 hours lecture

The course will continue to develop oral, listening, reading and writing skills with emphasis on oral proficiency. (CSU/UC) (AA/AS-C, CSU-C2, IGETC-6A)

FREN-251

Conversational French II

3 UNITS

Prerequisite: "C" grade or higher or "Pass" in FREN 250 or four years of high school French or equivalent.

3.0 hours lecture

The course will continue to develop at a higher level oral, listening, reading and writing skills with emphasis on oral proficiency. (CSU/UC) (AA/AS-C, CSU-C2, IGETC-6A)

Gender Studies (GEND)

GEND-116

Introduction to Women's Studies

3 UNITS

3.0 hours lecture

Interdisciplinary introduction to the origins, purpose, subject matter, and methods of Women's Studies and to feminist perspectives in the social sciences on a range of issues affecting women of diverse backgrounds. Study of gender and its intersections with race, class, sexuality, dis/ability, age, religion, and other systems of difference. Includes such topics as gender-based language, personality development and self-concept, social evolution, family structures and economic life. (C-ID SJS 120) (CSU/UC) (AA/AS-D, CSU-D, IGETC-4)

GEND-117

Introduction to LGBTQ Studies

3 UNITS

3.0 hours lecture

This interdisciplinary course introduces students to a broad range of historical and contemporary lesbian, gay, bisexual, transgender, queer, intersex and asexual (LGBTQIA+) issues in various contexts, including bio-medical, sociological, political, racial and sexual. Topics include the politics, policy and governance of LGBT issues, social movements and resistance, biological and environmental impacts on identity, equity, equality and inclusion, privilege and disadvantage, queer activism; diverse experiences of gender and sexuality; and representations in literature, art, and popular culture. The class also includes ways in which sexual identities intersect with and shape other categories of identity, including race and ethnicity, and social class. (C-ID SJS 130) (CSU/UC) (AA/AS-D, CSU-D, IGETC-4)

GEND-154

Early History of Women in World Civilization

3 UNITS

3.0 hours lecture

This course covers the transnational/global concepts of gender, social, economic, political, cultural and intellectual/creative aspects of women in world society from prehistoric times to the early modern era (1500 C.E.). Societal structures, cultural norms, legal/sociological constructs, religious paradigms affecting women throughout Asia, Africa, Middle East, the Americas and Europe will be explored. The course will also focus upon gaining an understanding of women's past accomplishments, both major and mundane, as well as limitations, which may illuminate their present and future. (CSU/UC) (AA/AS-D, CSU-D, IGETC-4)

GEND-155

Modern History of Women in World Civilization

3 UNITS

3.0 hours lecture

This course covers the transnational/global concepts of gender, social, economic, political, cultural and intellectual/creative aspects of women in world society from 1500 C.E. to the present. Societal structures, cultural norms, legal/sociological constructs, religious paradigms affecting women throughout modern Asia, Africa, Middle East, the Americas and Europe will be explored. The course will also focus upon gaining an understanding of women's past accomplishments, both major and mundane, as well as limitations, which may illuminate their present and future. (CSU/UC) (AA/AS-D, CSU-D, IGETC-4)

Geography (GEOG)

GEOG-100

Introduction to Global Studies

3 UNITS

3.0 hours lecture

This course is an introduction to the interdisciplinary field of Global Studies, including the history, causes and evolution of globalization, as well as the role of geography in the process of globalization. The economic, political, social/cultural, and environmental/ecological dimensions of globalization will also be examined. (CSU/UC) (AA/AS-D, CSU-D, IGETC-4)

GEOG-101

Global Issues

3 UNITS

3.0 hours lecture

An introduction to the origins, current status, and future trends of major transnational issues confronting the global community. Students will learn about population trends, economic development and inequality, issues of access to basic human needs such as food, water, and healthcare, human rights, international conflict and security concerns, and environmental problems including those that contribute to climate change. Global governance and collective global responsibilities will also be examined. (CSU/UC) (AA/AS-D, CSU-D, IGETC-4)

GEOG-104

Introduction to Geographic Information Science

3 UNITS

Prerequisite: "C" grade or higher or "Pass" in Math 103 or 110 or equivalent or appropriate placement beyond intermediate algebra.

2.0 hours lecture, 3.0 hours laboratory

Fundamental concepts in geographic information systems including cartography, global positioning systems (GPS), remote sensing, and spatial statistics. Hands-on use of current, industry-standard computer technologies that enhance geographic analysis and improve decision-making abilities for solving geospatial problems in a wide range of applications. (C-ID GEOG 155) (CSU/UC) (AA/AS-A3)

GEOG-106

World Regional Geography

3 UNITS

3.0 hours lecture

World Regional Geography explores the world around us region by region combining an examination of both environmental and cultural characteristics. The course prepares students to make sense of an increasingly connected world in which global events have local significance. The regions' physical situation along with demographic, linguistic, religious, political, and developmental patterns provide the framework for comparing and contrasting the various world regions. Real world, real time current events specific to individual regions are used to illustrate course concepts. Although open to all students this course was originally designed for Liberal Studies education majors wishing to satisfy requirements for California Multiple Subject Teaching Credentials. (CSU/UC) (AA/AS-D, CSU-D, IGETC-4)

GEOG-120

Physical Geography: Earth Systems

3 UNITS

3.0 hours lecture

Explore your world! Drought! Fire! Climate Change! Quakes! This physical science course describes and explains the Earth's major physical systems, the basic energy and material flows by which these systems operate, and the result of human interaction with these flows. Phenomena explored include storms, climate, ecosystems, seasonal change, plate tectonics, stream and glacial activity, and beach systems. (C-ID GEOG 110) (CSU/UC) (AA/AS-B2, CSU-B1, IGETC-5A)

GEOG-121

Physical Geography: Earth Systems Laboratory

1 UNITS

Prerequisite: "C" grade or higher or "Pass" or concurrent enrollment in GEOG 120 or GEOL 104 or equivalent.

3.0 hours laboratory

Get outside and into the field! Explore Earth's physical environment! This course satisfies the science lab requirement, and complements either the Physical Geography lecture course (Geog 120) or the Earth Science lecture course (Geol 104). It examines Earth's atmospheric, hydrospheric, lithospheric, and biospheric systems, and the Earth's seasonal orbit about the Sun. Students will study plate tectonics including faulting, earthquakes, volcanism, and the rock cycle, and will investigate landforms, seasons, weather, climate, and the evolutionary response to climate variation as studied in the natural habitats surrounding Grossmont. Students will use topographic maps, weather maps, satellite loops, compass, clinometer, GPS, weather sensors, and the campus-wide Outdoor Educational ?Rock and Native-Vegetation Zones. (C-ID GEOG 111 and GEOG 120L) (CSU/UC) (AA/AS-B2, CSU-B3, IGETC-5C)

GEOG-130

Human Geography: The Cultural Landscape

3 UNITS

3.0 hours lecture

UNDERSTAND CRUCIAL WORLD EVENTS! Course covers the background needed to understand the most pressing issues from around the world. It covers religion, politics, population dynamics, human-environment interactions, globalization, roots of war, & more. (C-ID GEOG 120) (CSU/UC) (AA/AS-D, CSU-D, IGETC-4)

GEOG-140

Meteorology: Weather and Climate

3 UNITS

3.0 hours lecture

This physical science course explains the principles that drive daily weather and long-term climate variation. Explanations will focus upon the composition and structure of the atmosphere, the input of solar radiation, the corresponding atmospheric energy budget, the resultant changes in the state of the atmosphere (in terms of temperature, pressure, humidity, winds, air masses, fronts, clouds, and fog), and the average situation as expressed by the climate distribution and its change-over-time. Highlights include explanation of jet streams and winter cyclonic storms, as well as late-summer hurricanes and monsoonal thunderstorms, autumnal Santa Ana-driven fires, and springtime marine layer stability vs Tornado Alley severe weather instability. Special attention is given to real-time weather events and forecasting, especially by way of current weather maps and satellite imagery vs. climatological data. (C-ID GEOG 130) (CSU/UC) (AA/AS-B2, CSU-B1, IGETC-5A)

GEOG-150**Field Study of the Natural History of the Greater San Diego Region****3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in BIO 110 or 120; or GEOG 120 or 121 or 140; or GEOL 110 or 111; or OCEA 112 or equivalent.

2.0 hours lecture, 3.0 hours laboratory

An exciting, team-taught, interdisciplinary, field-based study of the natural environment of the San Diego region, including related parts of Imperial, Riverside, and Orange Counties. Vans are utilized to visit sites that best illustrate (1) the region's physical environment (including tectonics, geologic history, geomorphology, hydrology, meteorology, climatology, and soils), (2) the evolutionary response to environmental variation (focusing on coastal sage scrub, chaparral, and desert ecosystems), and (3) the interaction of humans with the natural environment. Emphasis on field measurement includes use of GPS, compass, clinometer, maps, the current Jepson plant taxonomy, etc. Four weekends in spring semester only. Overnight campouts required. Students with credit in Geography 150 will not be able to enroll in Biology 150, Geology 150 or Oceanography 150. (CSU/UC)

GEOG-170**The Geography of California****3 UNITS**

3.0 hours lecture

This course examines the geography of California's diverse physical environment and human landscape that define its uniqueness and exceptionalism - earthquakes, climate, population, agriculture, water, economy, etc. Transfers to CSU and UC. (C-ID GEOG 140) (CSU/UC) (AA/AS-D, CSU-D, IGETC-4)

GEOG-172**Field Exploration: Colorado Plateau****3 UNITS**

2.0 hours lecture, 3.0 hours laboratory

This week-long course involves lecture and field study of natural processes and features in selected areas of the Colorado Plateau. Lectures en route and on site may include the origin, evolution, and significance of the region's tectonic setting, geomorphic features, hydrology, native plants, and weather. The course may also examine human-environment interactions as well as spatial and temporal variations in areas such as the Grand Canyon, Zion National Park, Sunset Crater, and the Mogollon Rim. Students will learn various field study techniques including map interpretation, map analysis, and the use of field instruments including mineral and rock identification tools, compasses, and global positioning devices (GPS). The course requires field trip travel, including overnight camping and light to moderate hiking. (CSU)

GEOG-173**Field Exploration: Cascade Range/Modoc Plateau****3 UNITS**

2.0 hours lecture, 3.0 hours laboratory

This week-long course involves lecture and field study of natural processes and features in selected areas of the southern Cascade Range and the Modoc Plateau. Lectures en route and on site may include origin, evolution, and significance of the region's tectonic setting, geomorphic features, hydrology, native plants and weather. The course may also examine human-environment interactions as well as spatial and temporal variations in areas such as Lava Beds National Monument, McArthur-Burney Falls State Park, and Lassen Volcanic National Park. Students will learn various field study techniques including map interpretation, map analysis, and the use of field instruments including mineral and rock identification tools, compasses, and global positioning devices (GPS). The course requires field trip travel, including overnight camping and light to moderate hiking. (CSU)

GEOG-174**Field Exploration: Basin and Range Province****3 UNITS**

2.0 hours lecture, 3.0 hours laboratory

This week-long course involves lecture and field study of natural processes and features in selected areas of the Basin and Range Province. Lectures en route and on site may include the origin, evolution, and significance of the region's tectonic setting, geomorphic features, hydrology, native plants, and weather. The course may also examine human-environment interactions as well as spatial and temporal variations in areas such as Owens Valley, Death Valley, the Lake Mead area, and Great Basin National Park. Students will learn various field study techniques including map interpretations, map analysis, and the use of field instruments including mineral and rock identification tools, compasses, and global positioning devices (GPS). The course requires field trip travel, including overnight camping and light to moderate hiking. (CSU)

GEOG-175**Field Exploration: California Coastal Mountains****3 UNITS**

2.0 hours lecture, 3.0 hours laboratory

This week-long course involves lecture and field study of natural processes and features in selected areas of the California coastal mountain region. Lectures en route and on site will examine the origin, evolution, and significance of the region's tectonic setting, geomorphic features, hydrology, native plants, and weather. The course may also examine human-environment interactions as well as spatial and temporal variations in areas such as along the San Andreas fault system, the Coast Ranges, and the Klamath Mountains. Students will learn various field study techniques including map interpretation, map analysis, and the use of field instruments including mineral and rock identification tools, compasses, and global positioning devices (GPS). The course requires field trip travel, often including overnight camping and light to moderate hiking. (CSU)

GEOG-176**Field Exploration: Sierra Nevada****3 UNITS**

2.0 hours lecture, 3.0 hours laboratory

This week-long course involves lecture and field study of natural processes and features in selected areas of the Sierra Nevada mountains. Lectures en route and on site may include the origin, evolution, and significance of the region's tectonic setting, geomorphic features, hydrology, native plants, and weather. The course may also examine human-environment interactions as well as spatial and temporal variations in areas such as the Yosemite, Sequoia, and Kings Canyon National Parks, the Mammoth Lakes area, and Mono Basin. Students will learn various field study techniques including map interpretation, map analysis, and the use of field instruments including mineral and rock identification tools, compasses, and global positioning devices (GPS). The course requires field trip travel, including overnight camping and light to moderate hiking. (CSU)

Geology (GEOL)

GEOL-104

Earth Science

3 UNITS

3.0 hours lecture

This course is designed for Liberal Studies education majors wishing to satisfy requirements for California Multiple Subject Teaching Credentials. This physical science course describes and explains the Earth's major physical systems, the basic energy and material flows by which these systems operate, and the comparative place of our planet within the larger solar systems. As such, this course provides a brief synthesis of the disciplines of astronomy, physical geography, meteorology, oceanography, and geology. (CSU/UC) (AA/AS-B2, CSU-B1, IGETC-5A)

GEOL-110

Planet Earth

3 UNITS

3.0 hours lecture

This introductory physical science course investigates the composition of the earth and the geologic processes by which it formed. Emphasis is placed on the earth's unifying theory plate tectonics and the associated activities of volcanism, earthquakes, and mountain building. Topics will include crystals, minerals and rocks, their distribution within the planet, and the evolution of the earth across deep time. The sculpturing of the surface of the planet by wind, waves, streams, glaciers, and landslides will also be considered. (C-ID GEOL 100) (CSU/UC) (AA/AS-B2, CSU-B1, IGETC-5A)

GEOL-111

Planet Earth Laboratory

1 UNITS

Prerequisite: "C" grade or higher or "Pass" or concurrent enrollment in GEOL 110 or equivalent.

3.0 hours laboratory

Provides hands-on experience to accompany and augment Geology 110. This course will include laboratory and field investigations of the Earth, emphasizing experience with minerals, rocks, and fossils, as well as interpreting topographic and geologic maps. Field trips will acquaint students with local rock units, and past and present geologic processes. (C-ID GEOL 110L) (CSU/UC) (AA/AS-B2, CSU-B3, IGETC-5C)

GEOL-121

Earth History

4 UNITS

Recommended Preparation: A "C" grade or higher or "Pass" in Geology 104 or 110 or equivalent.

3.0 hours lecture, 3.0 hours laboratory

This is a required course for geology majors and minors. The lecture portion will cover the geologic and tectonic development of earth and its importance to the evolution of life on this planet as evidenced in the fossil record. Laboratory work will include, but is not limited to, the detailed study of sedimentary petrology, stratigraphy, identification of fossil phyla, and local field investigations. Emphasis will be placed on the application of rock and fossil interpretations to the reconstruction of ancient environments and their evolution through geologic time. (C-ID GEOL 111) (CSU/UC) (AA/AS-B2, CSU-B1,B3, IGETC-5A,5C)

GEOL-150

Field Study of the Natural History of the Greater San Diego

Region

3 UNITS

Prerequisite: "C" grade or higher or "Pass" in BIO 110 or 120; or GEOG 120 or 121 or 140; or GEOL 110 or 111; or OCEA 112 or equivalent.

2.0 hours lecture, 3.0 hours laboratory

An exciting, team-taught, interdisciplinary, field-based study of the natural environment of the San Diego region, including related parts of Imperial, Riverside, and Orange Counties. Vans are utilized to visit sites that best illustrate (1) the region's physical environment (including tectonics, geologic history, geomorphology, hydrology, meteorology, climatology, and soils), (2) the evolutionary response to environmental variation (focusing on coastal sage scrub, chaparral, and desert ecosystems), and (3) the interaction of humans with the natural environment. Emphasis on field measurement includes use of GPS, compass, clinometer, maps, the current Jepson plant taxonomy, etc. Four weekends in spring semester only. Overnight campouts required. Students with credit in Geology 150 will not be able to enroll in Biology 150, Geography 150 or Oceanography 150. (CSU/UC)

GEOL-162

Geologic Field Studies: Southern California Mountain Areas

1 UNITS

1.0 hours lecture

This course involves lecture and field study of geologic processes and features in selected areas of the southern California mountains. Lectures will examine the regional geomorphic features, identify the specific rock types, and discuss the tectonic setting of the area to be visited, with emphasis on the overall geologic evolution of the area. Study areas will include, but are not limited to, various locations within the Peninsular Ranges and Transverse Ranges. Students are trained in various field study techniques such as map and cross-section development, identification of geologic specimens, and the use of geologic instruments. The course requires field trip travel, often including overnight camping and light to moderate hiking. (CSU)

GEOL-163

Geologic Field Studies: Mojave Desert and Adjacent Areas

1 UNITS

1.0 hours lecture

This course involves lecture and field study of geologic processes and features in selected areas of the Mojave Desert and adjacent areas. Lectures will examine the regional geomorphic features, identify the specific rock types, and discuss the tectonic setting of the area to be visited, with emphasis on the overall geologic evolution of the area. Study areas will include, but are not limited to, various locations within the Mojave Desert and Joshua Tree National Park. Students are trained in various field study techniques such as map and cross-section development, identification of geologic specimens, and the use of geologic instruments. The course requires field trip travel, often including overnight camping and light to moderate hiking. (CSU)

GEOL-164

Geologic Field Studies: Southern California Coastal Areas 1 UNITS
1.0 hours lecture

This course involves lecture and field study of geologic processes and features in selected areas of the southern California coastline. Lectures will examine the regional geomorphic features, identify the specific rock types, and discuss the tectonic setting of the area to be visited, with emphasis on the overall geologic evolution of the area. Study areas will include, but are not limited to, various locations within the Channel Islands, southern Coast Ranges, and coastal regions from San Diego County northward to Santa Barbara County. Students are trained in various field study techniques such as map and cross-section development, identification of geologic specimens and the use of geologic instruments. The course requires field trip travel, often including overnight camping, kayaking and light to moderate hiking. (CSU)

GEOL-165

Geologic Field Studies: Colorado Desert/Salton Trough Area 1 UNITS
1.0 hours lecture

This course involves lecture and field study of geologic processes and features in selected areas of the Colorado Desert/Salton Trough region. Lectures will examine the regional geomorphic features, identify the specific rock types, and discuss the tectonic setting of the area to be visited, with emphasis on the overall geologic evolution of the area. Study areas will include, but are not limited to, various locations within the Anza Borrego Desert State Park and the Salton Trough. Students are trained in various field study techniques such as map and cross-section development, identification of geologic specimens, and the use of geologic instruments. The course requires field trip travel, often including overnight camping and light to moderate hiking. (CSU)

GEOL-172

Field Exploration: Colorado Plateau 3 UNITS
2.0 hours lecture, 3.0 hours laboratory

This week-long course involves lecture and field study of natural processes and features in selected areas of the Colorado Plateau. Lectures en route and on site may include the origin, evolution, and significance of the region's tectonic setting, geomorphic features, hydrology, native plants, and weather. The course may also examine human-environment interactions as well as spatial and temporal variations in areas such as the Grand Canyon, Zion National Park, Sunset Crater, and the Mogollon Rim. Students will learn various field study techniques including map interpretation, map analysis, and the use of field instruments including mineral and rock identification tools, compasses, and global positioning devices (GPS). The course requires field trip travel, including overnight camping and light to moderate hiking. (CSU)

GEOL-173

Field Exploration: Cascade Range/Modoc Plateau 3 UNITS
2.0 hours lecture, 3.0 hours laboratory

This week-long course involves lecture and field study of natural processes and features in selected areas of the southern Cascade Range and the Modoc Plateau. Lectures en route and on site may include origin, evolution, and significance of the region's tectonic setting, geomorphic features, hydrology, native plants and weather. The course may also examine human-environment interactions as well as spatial and temporal variations in areas such as Lava Beds National Monument, McArthur-Burney Falls State Park, and Lassen Volcanic National Park. Students will learn various field study techniques including map interpretation, map analysis, and the use of field instruments including mineral and rock identification tools, compasses, and global positioning devices (GPS). The course requires field trip travel, including overnight camping and light to moderate hiking. (CSU)

GEOL-174

Field Exploration: Basin and Range Province 3 UNITS
2.0 hours lecture, 3.0 hours laboratory

This week-long course involves lecture and field study of natural processes and features in selected areas of the Basin and Range Province. Lectures en route and on site may include the origin, evolution, and significance of the region's tectonic setting, geomorphic features, hydrology, native plants, and weather. The course may also examine human-environment interactions as well as spatial and temporal variations in areas such as Owens Valley, Death Valley, the Lake Mead area, and Great Basin National Park. Students will learn various field study techniques including map interpretations, map analysis, and the use of field instruments including mineral and rock identification tools, compasses, and global positioning devices (GPS). The course requires field trip travel, including overnight camping and light to moderate hiking. (CSU)

GEOL-175

Field Exploration: California Coastal Mountains 3 UNITS
2.0 hours lecture, 3.0 hours laboratory

This week-long course involves lecture and field study of natural processes and features in selected areas of the California coastal mountain region. Lectures en route and on site will examine the origin, evolution, and significance of the region's tectonic setting, geomorphic features, hydrology, native plants, and weather. The course may also examine human-environment interactions as well as spatial and temporal variations in areas such as along the San Andreas fault system, the Coast Ranges, and the Klamath Mountains. Students will learn various field study techniques including map interpretation, map analysis, and the use of field instruments including mineral and rock identification tools, compasses, and global positioning devices (GPS). The course requires field trip travel, often including overnight camping and light to moderate hiking. (CSU)

GEOL-176**Field Exploration: Sierra Nevada****3 UNITS**

2.0 hours lecture, 3.0 hours laboratory

This week-long course involves lecture and field study of natural processes and features in selected areas of the Sierra Nevada mountains. Lectures en route and on site may include the origin, evolution, and significance of the region's tectonic setting, geomorphic features, hydrology, native plants, and weather. The course may also examine human-environment interactions as well as spatial and temporal variations in areas such as the Yosemite, Sequoia, and Kings Canyon National Parks, the Mammoth Lakes area, and Mono Basin. Students will learn various field study techniques including map interpretation, map analysis, and the use of field instruments including mineral and rock identification tools, compasses, and global positioning devices (GPS). The course requires field trip travel, including overnight camping and light to moderate hiking. (CSU)

GEOL-210**Geology of California****3 UNITS**

3.0 hours lecture

This course examines the development of California's landscape and scenery by various tectonic and geomorphic processes throughout geologic time. Each of California's physiographic provinces will be studied in terms of geologic structures, natural resources, minerals, rock and fossil occurrences, and natural hazards. Field trips may be required. (CSU/UC) (AA/AS-B2, CSU-B1, IGETC-5A)

GEOL-220**Geology of the National Parks****3 UNITS**

3.0 hours lecture

This course explores the most distinctive and intriguing geological features of America's National Parks. Each park will be examined separately in slide show/ travelogue format, with emphasis placed on their formation and evolution. The theory of plate tectonics will provide the organizational structure for the course with each park representing a distinct stage in the Wilson Cycle. (CSU) (AA/AS-B2, CSU-B1)

GEOL-230**Natural Disasters****3 UNITS**

3.0 hours lecture

This course examines the geological and meteorological principles underlying natural disasters such as earthquakes, landslides, flooding, volcanic eruptions, and severe weather phenomena. Students will explore how dynamic earth processes affect human activities and discuss options for mitigation of these natural phenomena. (CSU/UC)

German (GERM)

GERM-120

German I

5 UNITS

5.0 hours lecture

An introductory course to the German language and the cultures of its speakers. This course is designed for students with very little or no knowledge of German. It facilitates the practical application of the language in everyday oral and written communication at the beginning level. Since the focus will be on basic communication skills, the class will be conducted in German as much as possible. Students will learn structures that will enable them to function in German in everyday contexts while becoming familiar with the German speaking world. (CSU/UC) (AA/AS-C, CSU-C2, IGETC-6A)

GERM-121

German II

5 UNITS

Prerequisite: "C" grade or higher or "Pass" in GERM 120 or two years of high school German or equivalent.

5.0 hours lecture

German 121 is the continuation of German 120. The course will continue to develop oral and written skills based on practical everyday needs. (CSU/UC) (AA/AS-C, CSU-C2, IGETC-3B,6A)

GERM-196

Community Service Learning Experience

1 UNITS

Prerequisite: "C" grade or higher or "Pass" in GERM 120 or equivalent.

Community Service Learning Experience (CSLE) is a community outreach program which promotes the national agenda of volunteer engagement. The purpose of this course is to provide the student an opportunity to practice and use the German language in a community based site and to explore different career options. (CSU) 5 hours work experience per week, 60 volunteer hours or 75 paid hours.

GERM-220

German III

5 UNITS

Prerequisite: "C" grade or higher or "Pass" in GERM 121 or three years of high school German or equivalent.

5.0 hours lecture

German 220 is the continuation of German 121. The course will continue to develop oral, listening, reading, and writing skills in order to acquire proficiency in German. (CSU/UC) (AA/AS-C, CSU-C2, IGETC-3B,6A)

GERM-221

German IV

5 UNITS

Prerequisite: "C" grade or higher or "Pass" in GERM 220 or four years of high school German or equivalent.

5.0 hours lecture

German 221 is the continuation of German 220. The course will continue to develop oral, listening, reading, and writing skills in order to improve proficiency in German. (CSU/UC) (AA/AS-C, CSU-C2, IGETC-3B,6A)

GERM-250

Conversational German I

3 UNITS

Prerequisite: "C" grade or higher or "Pass" in GERM 121 or three years of high school German or equivalent.

3.0 hours lecture

The course focuses on intermediate level conversation development with vocabulary building and improvement of speaking proficiency in the context of German culture. Conversations are based on everyday situations and cultural events. (CSU/UC) (AA/AS-C, CSU-C2, IGETC-6A)

GERM-251

Conversational German II

3 UNITS

Prerequisite: "C" grade or higher or "Pass" in GERM 250 or four years of high school German or equivalent.

3.0 hours lecture

The course focuses and expands on intermediate level conversation development with more complex and varied vocabulary building and improvement of speaking proficiency in the context of German-speaking culture. Conversations are based on everyday situations and cultural events. (CSU/UC) (AA/AS-C, CSU-C2, IGETC-6A)

Health Education (HED)

HED-101

Keys to Successful Weight Control 1.5 UNITS

1.5 hours lecture

This course explores the determinants of weight gain, loss and maintenance including food intake, energy expenditure, genetics, social pressures and psychological factors. Students will learn the proven keys to successful and long term weight control. A variety of approaches to weight control will be examined with thought to effectiveness, safety and nutritional adequacy. Disordered eating, including emotional eating, compulsive eating, bulimia and anorexia nervosa will be examined relative to their relationship to weight control. (CSU)

HED-105

Health Education for Teachers 1 UNITS

1.0 hours lecture

This course provides the background information and skills teachers need to implement comprehensive school health education at the grade levels in which they are certified. The course includes information on the six categories of risk behavior identified by the Centers for Disease Control and Prevention. It includes the objectives for Healthy People 2030; how to access CDC School Health Guidelines to Promote Healthy Behavior Among Children and Adolescents, and a discussion of the Safe and Drug-Free School Program. It examines the eight components of a coordinated school health program and the National Health Education Standards. State-of-the art information is provided on school health services, a healthful and safe school environment, the comprehensive school health education curriculum, and instructional strategies and technologies. A review of the ten content areas of health is included. (CSU)

HED-120

Personal Health and Lifestyles 3 UNITS

3.0 hours lecture

A course emphasizing the information required to make important decisions concerning lifestyle and total health. This course examines stress, drugs, major diseases, nutrition, weight control, sexuality, aging, environmental issues, and other topics related to health and fitness with an emphasis on applying the information to personal behaviors. This course challenges the student to assume responsibility for, and take charge of their own health and well-being. (CSU/UC) (AA/AS-D, CSU-E)

HED-122

Environmental & Community Health 3 UNITS

3.0 hours lecture

Future course description coming...College Catalogs

HED-201

Introduction to Public Health 3 UNITS

3.0 hours lecture

The purpose of this course is to provide an introduction to the environmental, biological, and socio-cultural determinants of public health. The areas of emphasis are health and community behavior, infectious and chronic disease, environmental health, public health policy, implementation, and regulation. Along with the In- depth examination of these areas, there will be a focus on the epidemiology of infectious and chronic disease and their impact on society as a whole, environmental health, health promotion, global health (including health disparities and cultural competence), and public health policy and management (including disaster and epidemic preparedness). An overview of various public health professions and institutions will also be covered. (CSU/UC) (AA/AS-D, CSU-E)

History (HIST)

HIST-100

Early World History

3 UNITS

3.0 hours lecture

A historical survey of civilizations from ancient times to 1500 C.E. with particular focus on Asia, Africa, Europe, the Americas, the Indian Subcontinent, Mediterranean Basin, the Middle East and Oceania. Emphasis placed on the origins, development and interconnections of diverse cultures, political systems, social/cultural forces, major religions, noted empires, artistic/intellectual achievements and technological breakthroughs. (C-ID HIST 150) (CSU/UC) (AA/AS-C, CSU-C2,D, IGETC-3B,4)

HIST-101

Modern World History

3 UNITS

3.0 hours lecture

A survey of world history from 1500 C.E. to the present with particular focus on modern Asia, Europe, Africa, the Americas, the Indian subcontinent and the Middle East. Emphasis will be placed on the origins of maritime exploration, artistic/intellectual movements, revolutions, nationalism, empires, technological breakthroughs, industrialization, imperialism, world wars, totalitarianism, decolonization and economic globalization. (C-ID HIST 160) (CSU/UC) (AA/AS-C, CSU-C2,D, IGETC-3B,4)

HIST-103

Twentieth Century World History

3 UNITS

3.0 hours lecture

A global historical survey of the political, social, economic, and cultural events that defined and shaped the 20th century. Particular emphasis includes height of European imperialism, First World War, rise of totalitarian regimes, Second World War, Cold War, decolonization and the rise of nation-states, genocides and civil wars, revolutions in Asia, Africa and Latin America, Middle East conflict, fall of the Soviet bloc, social and intellectual movements, scientific and technological breakthroughs, and economic globalization. (CSU/UC) (AA/AS-C, CSU-C2,D, IGETC-3B,4)

HIST-105

Early Western Civilization

3 UNITS

3.0 hours lecture

A historical survey tracing the political, social, economic, cultural, and intellectual events that have shaped and defined Western Civilization from ancient times to 1650. Emphasis is placed upon ancient Mesopotamia, ancient Egypt, eastern Mediterranean civilizations, pre and classical Greece, Hellenistic era, Roman civilization and empire, rise of Christianity and Islam, Byzantine Empire, medieval Europe, Renaissance and Reformation. (C-ID HIST 170) (CSU/UC) (AA/AS-C, CSU-C2,D, IGETC-3B,4)

HIST-106

Modern Western Civilization

3 UNITS

3.0 hours lecture

A historical survey tracing the events and development of the modern Western world from 1500 to the present. Particular emphasis upon the making of modern European political/economic systems, institutions, values, and ideas. Such topics include Reformation/Age of Religious Wars, Absolutism, Scientific Revolution, Enlightenment, Age of Revolutions, Napoleonic Era, nineteenth-century ideologies, industrialization, nationalism, imperialism, modern western science, modern western art/literature, world wars, totalitarianism, the Cold War and contemporary Europe. (C-ID HIST 180) (CSU/UC) (AA/AS-C, CSU-C2,D, IGETC-3B,4)

HIST-107

History of Race & Ethnicity in the United States

3 UNITS

3.0 hours lecture

An introduction to the social, cultural, and historical experiences of racial and ethnic groups and their roles in shaping in the United States. Focus will be on migration, colonization, racialization, racism, and discrimination, assimilation and resistance and agency, social stratification, liberation movements, and the intersection of racial, ethnic, gender, and sexual identities as they relate to African Americans, Asian Americans, Latinas/os/x, and Native Americans. Also listed as ETHN 107. Not open to students with credit in ETHN 107. (CSU/UC) (AA/AS-D, CSU-D,F, IGETC-4,7)

HIST-108

Early American History

3 UNITS

3.0 hours lecture

A historical survey tracing the political, social, and cultural events that have shaped and created the United States from pre-Columbian times to 1877. Emphasis is placed upon pre-Columbian past, European contact during Age of Exploration, colonial America, American Revolution, Constitutional and Federalist Era, Jeffersonian democracy, Jacksonian Era, Old South and slavery, Age of Reform, antebellum society, westward expansion, sectional crisis, American Civil War and Reconstruction. The course also explores the origin and development of significant American institutions, ideals, thought, constitutional features and various social and ideological struggles. (C-ID HIST 130) (CSU/UC) (AA/AS-D, CSU-D, IGETC-4)

HIST-109

Modern American History

3 UNITS

3.0 hours lecture

A historical survey of the political, social, economic, and cultural events in the United States from 1865 to the present. Explores significant modern American institutions, ideals, thought, ideologies, and laws including explorations of the U.S. and California constitutions and interactions between federal, state, and local governments. (C-ID HIST 140) (CSU/UC) (AA/AS-D, CSU-D, IGETC-4)

HIST-113

American Military History

3 UNITS

3.0 hours lecture

This course introduces the student to military history of the United States from the colonial period to the present with emphasis on institutional, technological, social, political, cultural, and diplomatic contexts in times of peace and conflict. Major themes and coverage of noted wars will focus on three periods: colonial, continental expansion, and overseas expansion. (CSU/UC) (AA/AS-C, CSU-D, IGETC-4)

HIST-114

Comparative History of the Early Americas

3 UNITS

3.0 hours lecture

The Americas from ancient times to the nineteenth century. Emphasis on ancient American civilizations and the interactions among Native American, European, and African American cultures in the formation of new nations. The social, political, and cultural developments of the early United States, Latin America and Canada and their political systems. (CSU/UC) (AA/AS-D, CSU-D, IGETC-4)

HIST-115

Comparative History of the Modern Americas 3 UNITS
3.0 hours lecture

A survey of the political, social, economic, and cultural development of the modern Americas. Emphasis on interactions among Native American, European, and African American cultures and the social, political, and economic transformations of the modern United States, Latin America and Canada from the early nineteenth century to the present. (CSU/UC) (AA/AS-D, CSU-D, IGETC-4)

HIST-118

U.S. History: Chicano/Chicana Perspectives I 3 UNITS
3.0 hours lecture

This course is designed to explore the role and development of the Chicana/o (Mexican American) people in the history of the United States. It examines United States history with emphasis on institutions and ideals, beginning with pre-Colombian Meso-America to the Mexican-American War (1848). Social, economic, political and cultural events are covered with attention to Mexican/Chicana/o people in the United States. The Constitution of the United States and the operation of representative government are studied with special emphasis on the impact and effects of U.S.-Mexico relations and their people. (CSU/UC) (AA/AS-D, CSU-D, IGETC-4)

HIST-119

U.S. History: Chicano/Chicana Perspectives II 3 UNITS
3.0 hours lecture

This course is designed to explore the role and development of the Chicana/o (Mexican American) people in the history of the United States. Beginning with the Mexican-American War (1848) to the present period, institutions and ideals of United States history are examined, with emphasis on the social, economic, political and cultural implications to Chicana/o people in the United States. The U.S. Constitution, operation of representative government, and developments in California state and local government are studied with special emphasis on the impact and effects on Chicana/o's. (CSU/UC) (AA/AS-D, CSU-D, IGETC-4)

HIST-122

Women in Early American History 3 UNITS
3.0 hours lecture

This course covers the social, political, cultural, economic and intellectual development of women in United States history from pre-European contact to 1877. Women's experiences are placed in the context of the origins of American institutions and ideals. (CSU/UC) (AA/AS-D, CSU-D, IGETC-4)

HIST-123

Women in Modern American History 3 UNITS
3.0 hours lecture

This course covers the social, political, cultural, economic and intellectual development of women in United States history from 1877 to the present. Women's experiences are placed in the context of evolving American institutions. (CSU/UC) (AA/AS-D, CSU-D, IGETC-4)

HIST-124

History of California 3 UNITS
3.0 hours lecture

Survey of the political, social, and economic development of the State of California from pre-Columbian Native Americans to the present. Emphasis upon European exploration and interaction with California's Native Americans, Spanish colonization, Mexican California, statehood, late 19th century, pre-WWI Progressive Era, 1910s and 1920s, Depression Era, WWII, Post-WWII era, 1960s to the 1990s, and early 21st century. Course will also include a unit of study in California State and local government. (CSU/UC) (AA/AS-D, CSU-D, IGETC-4)

HIST-126

History of Mexico 3 UNITS
3.0 hours lecture

A general survey of the history of Mexico from its pre-conquest origins to the twenty-first century. Emphasis on the Toltec, the Maya, the Aztec and other native societies; the conquest; the interactions among Native, Spanish and African cultures; colonial society; independence; the Mexican Revolution and the development of modern Mexico. Particular attention will be given to the social, political, economic and cultural transformation of Mexico across five centuries. (CSU/UC) (AA/AS-C, CSU-C2,D, IGETC-3B,4)

HIST-130

U.S. History and Cultures: Native American Perspectives I 3 UNITS
3.0 hours lecture

This course covers the social, political, cultural, economic and intellectual history of indigenous people in North America from pre-history to pre-Civil War in United States. Native experiences are placed in the context of the evolution of diverse native nations, within the growth of the U.S., and within the development of American institutions and ideals. California and San Diego County nations are highlighted, as is the origins of the U.S. Constitution and its evolving interpretation in the courts regarding native nations. (CSU/UC) (AA/AS-D, CSU-D, IGETC-4)

HIST-131

U.S. History and Cultures: Native American Perspectives II 3 UNITS
3.0 hours lecture

An historical survey of the indigenous peoples of the North American Continent from the period of 1850 to the present. Attention will be given to contemporary, historical, political, and socio-economic issues affecting the American Indian nationwide, statewide and locally. Indian perspectives of native and nonnative cultures will be included. The Federal and California State Constitutions are studied with special emphasis on the effects and influence of the Indian culture and society. Particular attention is given to political philosophies and the impact of legislation on Indian culture and society. (CSU/UC) (AA/AS-D, CSU-D, IGETC-4)

HIST-135

Ancient History of Western Civilization 3 UNITS
3.0 hours lecture

A historical survey tracing the political, social, intellectual and cultural events of the ancient civilizations within the Near East and Mediterranean basin from 3500 B.C.E. to 500 C.E. This course will focus on the contributions and achievements of civilizations within Mesopotamia, Egypt, Persia, Asia Minor, the Levant, Crete, Greece, North Africa, and Rome and their significance in shaping Western Civilization. Further emphasis will be placed upon their political systems, religion, philosophy, science/technology, laws, role of women, and arts/literature. (CSU/UC) (AA/AS-C, CSU-C2, IGETC-3B)

HIST-136**Survey of Medieval History****3 UNITS**

3.0 hours lecture

A historical survey tracing the political, social, economic, intellectual, religious and cultural events that occurred during Europe's medieval period c.500-1500 C.E. This course begins with the decline of the Western Roman Empire and then focuses upon rise of Germanic kingdoms, role of the papacy, monasticism, establishment of Christendom, Carolingian Empire, feudalism, Vikings, England, German States, Eastern Europe, Muslim invasions, Crusades, Black Death, medieval philosophy and science, art and literature, role of women, gender and sexuality, and the demise of medieval era and birth of modern Europe. The course also explores the creation of significant lasting institutions, ideas, and thought from the medieval era that remains part of the present-day Western world. (CSU/UC) (AA/AS-C, CSU-C2,D, IGETC-3B,4)

HIST-137**History of East Asia****3 UNITS**

3.0 hours lecture

A historical survey of China and Japan from prehistory to modern times. Emphasis on their comparative and intertwining histories with particular attention to historical origins, political institutions, social/economic structures, religious/philosophical beliefs, literary/cultural achievements, technological/scientific contributions, interactions with Korea and the West, participation in major wars, and current geopolitical status and power. (CSU/UC) (AA/AS-C, CSU-C2,D, IGETC-3B,4)

HIST-148**Modern Middle East History****3 UNITS**

3.0 hours lecture

A historical survey exploring the history of the modern Middle East. The course includes background material on the origin and spread of Islam, Islamic dynasties and civilizations. Major emphasis on the Ottoman Empire, the colonial era, rise of 20th century independent nation-states, creation of Israel and the Arab-Israeli conflict, 20th and 21st-century wars and conflicts, famous political/religious leaders, intellectual/scientific accomplishments, and artistic/literary works. (CSU/UC) (AA/AS-C, CSU-C2,D,IGETC-3B,4)

HIST-154**Early History of Women in World Civilization****3 UNITS**

3.0 hours lecture

This course covers the transnational/global concepts of gender, social, economic, political, cultural and intellectual/creative aspects of women in world society from prehistoric times to the early modern era (1500 C.E.). Societal structures, cultural norms, legal/sociological constructs, religious paradigms affecting women throughout Asia, Africa, Middle East, the Americas and Europe will be explored. The course will also focus upon gaining an understanding of women's past accomplishments, both major and mundane, as well as limitations, which may illuminate their present and future. (CSU/UC) (AA/AS-D, CSU-D, IGETC-4)

HIST-155**Modern History of Women in World Civilization****3 UNITS**

3.0 hours lecture

This course covers the transnational/global concepts of gender, social, economic, political, cultural and intellectual/creative aspects of women in world society from 1500 C.E. to the present. Societal structures, cultural norms, legal/sociological constructs, religious paradigms affecting women throughout modern Asia, Africa, Middle East, the Americas and Europe will be explored. The course will also focus upon gaining an understanding of women's past accomplishments, both major and mundane, as well as limitations, which may illuminate their present and future. (CSU/UC) (AA/AS-D, CSU-D, IGETC-4)

HIST-160**U.S. History: Asian American and Pacific Island American Perspectives****I****3 UNITS**

3.0 hours lecture

This course is a cultural and historical analysis of the Asian American and Pacific Island experience from pre-colonial/pre-migration communities of Asia and the Pacific Islands, through immigration and contact with American colonial societies, and through the formation of the U.S. and imperial expansion of the mid-1800s. This class explores the social, political, economic, and cultural factors encountered by populations loosely grouped as Asian and Pacific Islanders. Emphasis is placed, but is not limited to, Japanese, Filipino, Korean, Chinese, Asian Indian, Pacific Islander, and Southern Asian experiences. Such experiences include immigration, diaspora, return, identity, ethnicity and ethnocentrism, race, racism, and race relations, community development, traditional values, identity formation in the context of Euro-centric U.S. cultures, sexuality and gender, U.S. policies, and issues of resistance, colonization, decolonization, and anti-colonialism. An analysis of the Asian American and Pacific Island American perspective on cultural roots, immigration, accommodation and resistance, and settlement patterns, labor, legal, political, and social history within the context of the U.S. Constitution and the political philosophy of its framers. (CSU/UC) (AA/AS-D, CSU-D, IGETC-4)

HIST-161**U.S. History: Asian American and Pacific Island American Perspectives****II****3 UNITS**

3.0 hours lecture

This course provides an introduction to the history and culture of Asians and Pacific Islanders in the United States from the mid-19th century to the beginning of the 21st century. Drawing from a range of interdisciplinary approaches and sources, the course explores the importance of the Asian American and Pacific Island American experience to U.S. history while also giving due consideration to the global and international forces that shaped it. In doing so, it probes the varied experiences of people identified as "Asian Americans," and "Pacific Island Americans," examining what those identities mean and how that had changed over time. The experience of Asian Americans and Pacific Islanders will inform the analysis of broader themes including migration, diaspora, return, gender, race and racism, labor, citizenship, community, resistance and self-determination, identity formation, war, anti-colonialism, de-colonialism, and imperialism, and transnationalism. The course introduces the major themes and basic chronology of Asian American and Pacific Island American history while providing a critical perspective on the conventional narrative American history. The course analyzes the Asian American and Pacific Island American past within a context of power relations, especially hierarchies of race, gender, and class and examines the continuities and discontinuities between the past and present. Emphasis is placed on Filipino Americans, Chinese Americans, Japanese Americans, Asian Indian Americans, Korean Americans, Pacific Island Americans, and Southeast Asian Americans. (CSU/UC) (AA/AS-D, CSU-D, IGETC-4)

HIST-180**U.S. History: Black Perspectives I****3 UNITS**

3.0 hours lecture

A survey of United States history from colonial times through the Civil War from the perspective and experiences of African-Americans. The course begins with the historical backdrop of African peoples in continental Africa and the trace their story through early modern European contact, slave trade, enslavement in the Americas, colonial America, the revolutionary and Constitutional era, the early Republic, participation in American institutions, sectional issues between North and South over slavery, the Civil War and emancipation. Examines the contradictions, paradoxes and constitutional challenges of the American experiment of freedom alongside the institution of slavery. Explores the political, social, economic, legalistic, cultural, spiritual, literary and artistic life of African-Americans during this historical period. (CSU/UC) (AA/AS-D, CSU-D, IGETC-4)

HIST-181**U.S. History: Black Perspectives II****3 UNITS**

3.0 hours lecture

A survey of United States history from Reconstruction to the present seen from the perspective and experience of African-Americans. The course begins with the emancipation of slaves and Reconstruction and then traces the African-American experience through modern American history. Topics include developments in California, Reconstruction, Jim Crow South, late 19th century, pre WWI and the Progressive Era, WWI and the Roaring 20s, Depression Era, WWII and the home front, post-WWII era and segregation, Civil Rights Era, struggles of the 1960s and 1970s, late 20th century and 21st-century issues. Course also explores the contradictions, paradoxes and constitutional challenges, both federal and in California, of the American experiment of equality alongside racial segregation and injustices. The course also explores the political, social, economic, legalistic, cultural, spiritual, literary and artistic life of African-Americans during modern American history. (CSU/UC) (AA/AS-D, CSU-D, IGETC-4)

HIST-194**Community Service Learning Experience****1 UNITS**

Community Service Learning Experience (CSLE) is a community outreach program which promotes the national agenda of volunteer engagement. The purpose is to provide students an opportunity to expand their citizenship consciousness while exploring options and careers in a selected area of study. This course includes placement in a community based historical site, archives, museum, institute, research library or with K-12 history/social studies students. (CSU) 5 hours work experience per week, 60 volunteer hours or 75 paid hours.

Humanities (HUM)

HUM-110

Principles of the Humanities

3 UNITS

3.0 hours lecture

An introduction to the field of humanities through an integrated study of culture and the creative products of humanity. The fine arts as well as dominant philosophic, political and religious ideas are evaluated as a means of understanding cultural expression. (CSU/UC) (AA/AS-C, CSU-C1,C2, IGETC-3B)

HUM-120

European Humanities

3 UNITS

3.0 hours lecture

An integrated approach to European cultural values as expressed in representative masterpieces of literature, philosophy, drama, music, visual art, and architecture. (CSU/UC) (AA/AS-C, CSU-C1,C2, IGETC-3B)

HUM-125

Women and Western Culture

3 UNITS

3.0 hours lecture

This course examines women and Western culture through a humanistic lens, exploring the place of women in literature and poetry, history, visual and performing arts, philosophy, politics and science. Emphasis is placed on the manifestations of women's struggles across the spectrum of human experience. (CSU/UC) (AA/AS-C, CSU-C2, IGETC-3B)

HUM-130

East Asian Humanities

3 UNITS

3.0 hours lecture

An integrated approach to the culture of East Asia from earliest civilization to present. The cultural development of Japan, China and India, as well as Southeast Asia, will be explored in relation to literature, music, drama, architecture, visual arts, and film. Cultural expression will be examined using a religious and historical context. (CSU/UC) (AA/AS-C, CSU-C2, IGETC-3B)

HUM-135

Blues as Literature, History, and Culture

3 UNITS

3.0 hours lecture

An examination of blues music and its influence on American culture. Blues will be explored in musical, literary, historical and socio-political contexts in order to understand the factors that gave rise to the art form. Particular emphasis will be on the rich and expressive African-American culture and its profound contribution to the American identity. (CSU/UC) (AA/AS-C, CSU-C2, IGETC-3B)

HUM-140

Humanities of the Americas

3 UNITS

3.0 hours lecture

Integrated exploration of broadly representative examples of literature, philosophy, drama, music, visual art and architecture of the Americas-the geographical scope of which will include the United States, Canada, the Caribbean, and Latin America. (CSU/UC) (AA/AS-C, CSU-C2, IGETC-3B)

HUM-160

Humanities of the Future

3 UNITS

3.0 hours lecture

An integrated approach to the possible culture humans may create in the future. Beginning with an analysis of past and contemporary trends in literature, music, religion, painting and/or architecture, an attempt will be made to project these trends into the future. Emphasis will be on methods of projection using science fiction (writing and/or film) as well as the prophecies of scientists, artists, sociologists, and political scientists. (CSU/UC) (AA/AS-C, CSU-C2)

HUM-170

Modern World Humanities

3 UNITS

3.0 hours lecture

A comparative study of the modern major cultural domains of the world: 1) East Asia, 2) Middle East, and Near East, 3) Europe, and the 4) Americas. A global perspective of culture will be acquired through the experience of representative works of art, literature, philosophy and religion. Emphasis will be on the transition of cultures to the modern world and the interaction of cultures in the modern world. (CSU/UC) (AA/AS-C, CSU-C2, IGETC-3B)

Italian (ITAL)

ITAL-120

Italian I 5 UNITS

5.0 hours lecture

An introductory course to the Italian language and the cultures of its speakers. This course is designed for students with very little or no knowledge of Italian. It facilitates the practical application of the language in everyday oral and written communication at the beginning level. Since the focus will be on basic communication skills, the class will be conducted in Italian as much as possible. Students will learn structures that will enable them to function in Italian in everyday contexts while becoming familiar with the Italian speaking world. (CSU/UC) (AA/AS-C, CSU-C2, IGETC-6A)

ITAL-121

Italian II 5 UNITS

Prerequisite: "C" grade or higher or "Pass" in ITAL 120 or two years of high school Italian or equivalent.

5.0 hours lecture

Italian 121 is the continuation of Italian 120. The course will continue to develop oral and written skills based on practical. (CSU/UC) (AA/AS-C, CSU-C2, IGETC-3B, 6A)

ITAL-220

Italian III 5 UNITS

Prerequisite: "C" grade or higher or "Pass" in ITAL 121 or three years of high school Italian or equivalent.

5.0 hours lecture

Italian 220 is the continuation of Italian 121. The course will continue to develop oral, listening, reading and writing skills in order to acquire proficiency in Italian. (CSU/UC) (AA/AS-C, CSU-C2, IGETC-3B, 6A)

ITAL-221

Italian IV 5 UNITS

Prerequisite: A "C" grade or higher or "Pass" in Italian 220 or four years of high school Italian or equivalent.

5.0 hours lecture

Italian 221 is the continuation of Italian 220. The course will continue to develop oral, listening, reading and writing skills in order to improve proficiency in Italian. (CSU/UC) (AA/AS-C, CSU-C2, IGETC-3B, 6A)

ITAL-250

Conversational Italian I 3 UNITS

Prerequisite: "C" grade or higher or "Pass" in ITAL 121 or three years of high school Italian or equivalent.

3.0 hours lecture

The course will continue to develop oral, listening, reading and writing skills with emphasis on oral proficiency. (CSU/UC) (AA/AS-C, CSU-C2, IGETC-6A)

ITAL-251

Conversational Italian II 3 UNITS

Prerequisite: "C" grade or higher or "Pass" in ITAL 250 or four years of high school Italian or equivalent.

3.0 hours lecture

The course will continue to develop at a higher level oral, listening, reading and writing skills with emphasis on oral proficiency. (CSU/UC) (AA/AS-C, CSU-C2, IGETC-6A)

Japanese (JAPN)

JAPN-120

Japanese I

5 UNITS

5.0 hours lecture

An introductory course to the Japanese language and the cultures of its speakers. This course is designed for students with very little or no knowledge of Japanese. It facilitates the practical application of the language in everyday oral and written communication at the beginning level. Since the focus will be on basic communication skills, the class will be conducted in Japanese as much as possible. Students will learn structures that will enable them to function in Japanese in everyday contexts while becoming familiar with the Japanese speaking world. (CSU/UC) (AA/AS-C, CSU-C2, IGETC-6A)

JAPN-121

Japanese II

5 UNITS

Prerequisite: "C" grade or higher or "Pass" in JAPN 120 or two years of high school Japanese or equivalent.

5.0 hours lecture

Japanese 121 is the continuation of Japanese 120. The course will continue to develop oral and written skills based on practical everyday needs. (CSU/UC) (AA/AS-C, CSU-C2, IGETC-3B, 6A)

JAPN-149

Japanese Culture and Civilization

3 UNITS

3.0 hours lecture

survey of major characteristics of Japanese culture as seen in Japan today. This course will compare and contrast traditional Japanese culture and values with the modern Japanese culture. This course will examine what role history has played in the development of traditional Japanese culture and the role western culture has played in the development of the modern Japanese culture. It will examine the issues that this dichotomy creates and the relationship between Japan and the western world. This course will be taught in English. (CSU/UC) (AA/AS-C, CSU-C2, IGETC-3B)

JAPN-196

Community Service Learning Experience

1 UNITS

Prerequisite: "C" grade or higher or "Pass" in JAPN 120 or equivalent.

Community Service Learning Experience (CSLE) is a community outreach program which promotes the national agenda of volunteer engagement.

The purpose of this course is to provide the student an opportunity to practice and use the Japanese language in a community based site and to explore different career options. 5 hours work experience per week, 60 unpaid hours or 75 paid hours.

JAPN-220

Japanese III

5 UNITS

Prerequisite: "C" grade or higher or "Pass" in JAPN 121 or three years of high school Japanese or equivalent.

5.0 hours lecture

Japanese 220 is the continuation of Japanese 121. The course will continue to develop oral, listening, reading and writing skills in order to acquire proficiency in Japanese. (CSU/UC) (AA/AS-C, CSU-C2, IGETC-3B, 6A)

JAPN-221

Japanese IV

5 UNITS

Prerequisite: "C" grade or higher or "Pass" in JAPN 220 or four years of high school Japanese or equivalent.

5.0 hours lecture

Japanese 221 is the continuation of Japanese 220. The course will continue to develop oral, listening, reading and writing skills in order to improve proficiency in Japanese. (CSU/UC) (AA/AS-C, CSU-C2, IGETC-3B, 6A)

JAPN-250

Conversational Japanese I

3 UNITS

Prerequisite: "C" grade or higher or "Pass" in JAPN 121 or three years of high school Japanese or equivalent.

3.0 hours lecture

The course will continue to develop oral, listening, reading and writing skills with emphasis on oral proficiency. (CSU/UC) (AA/AS-C, CSU-C2, IGETC-6A)

JAPN-251

Conversational Japanese II

3 UNITS

Prerequisite: "C" grade or higher or "Pass" in JAPN 250 or four years of high school Japanese or equivalent.

3.0 hours lecture

The course will continue to develop at a higher level oral, listening, reading and writing skills with emphasis on oral proficiency. (CSU/UC) (AA/AS-C, CSU-C2, IGETC-6A)

Library Information Resources (LIR)

LIR-110

Research Methods in an Online World

1 UNITS

Recommended Preparation: "C" grade or higher or "Pass" in ENGL 120 or ESL 122 or equivalent.

1.0 hours lecture

Designed for the student who would like to improve critical research skills. Students will learn to navigate research tools such as databases and search engines for specific information need. (CSU)

Mathematics (MATH)

MATH-020

Foundations for Quantitative Reasoning **1 UNITS**

Corequisite: MATH 120

1.0 hours lecture

Foundations for Quantitative Reasoning (QR) will focus on the skills and concepts needed for success in QR. This course is for students concurrently enrolled in QR (Math 120) at Grossmont College. Students will receive extra support in Arithmetic, Algebra, Geometry, problem solving, and study skills. This course is offered on a Pass/No Pass basis only. (Non-degree credit course)

MATH-060

Foundations for Elementary Statistics **2 UNITS**

Corequisite: MATH 160

2.0 hours lecture

Foundations for Elementary Statistics focuses on the skills and concepts needed for success in Elementary Statistics. This course is for students concurrently enrolled in MATH 160 at Grossmont College. Students will receive support in arithmetic, problem solving, technology, and study skills. This course is offered on a Pass/No Pass basis only. (Non-degree credit course)

MATH-075

Foundations for College Algebra **2 UNITS**

Corequisite: MATH 175

2.0 hours lecture

Support for this course focuses on the skills and concepts needed for success in College Algebra. This course is for students concurrently enrolled in College Algebra (MATH 175) at Grossmont College. Students will receive extra support in algebra, geometry, problem solving, technology, and study skills. This course is offered on a Pass/No Pass basis only. (Non-degree credit course)

MATH-076

Foundations for Precalculus **2 UNITS**

Corequisite: MATH 176

2.0 hours lecture

This support course focuses on the skills and concepts needed for success in Precalculus. This course is for students concurrently enrolled in Precalculus (MATH 176) at Grossmont College. Students will receive extra support in algebra, geometry, problem solving, technology, and study skills. This course is offered on a Pass/No Pass basis only.

MATH-078

Foundations for Calculus for Business, Social, & Behavioral Sciences **2 UNITS**

Corequisite: MATH 178

2.0 hours lecture

This support course focuses on the skills and concepts needed for success in Calculus for Business, Social & Behavioral Science (MATH 178). This course is for students concurrently enrolled in MATH 178 at Grossmont College. Students will receive extra support in algebra, geometry, problem solving, technology, and study skills. This course is offered on a Pass/No Pass basis only. (Non-degree credit course)

MATH-080

Foundations for Calculus & Analytic Geometry I **2 UNITS**

Prerequisite: Appropriate Placement.

Corequisite: MATH 180.

2.0 hours lecture

Support for this course focuses on the skills and concepts needed for success in Calculus and Analytic Geometry I. This course is for students concurrently enrolled in Calculus I (Math 180) at Grossmont College. Students will receive extra support in algebra, analytic geometry, trigonometry, technology, and study skills. Pass/No Pass only. Non-degree applicable.

MATH-090

Elementary Algebra **5 UNITS**

Recommended Preparation: "Pass" grade in MATH 088 or equivalent.

5.0 hours lecture

This course is the first of a two-course sequence in algebra intended to help prepare students for transfer level mathematics. An introduction to the following topics is included: the vocabulary of algebra, translation from English to algebra, evaluation of literal expressions, and functions. Topics covered in more depth include solving and graphing linear equations and inequalities in one and two variables; solving and graphing systems of equations in two variables; factoring; algebraic operations on polynomial, rational, and radical expressions; solving quadratics using factoring, and rational equations. This course is recommended for students with little or no recent knowledge of algebra and is offered on a Pass/No Pass basis only.

MATH-090L

Computer Tutorial Review for Elementary Algebra **1 UNITS**

3.0 hours laboratory

This course uses a variety of educational tools to assist students. It could be used to strengthen prerequisite skills prior to enrolling in a specific course or to receive supplemental assistance while enrolled in an elementary algebra course. Educational tools include computer-aided tutorials, drills, and problem sets. This course is offered on a Pass/ No Pass basis only. (Nondegree credit course)

MATH-095

Math Jam for BSTEM Preparation **0 UNITS**

1.0 hours laboratory

Math Jam For BSTEM Preparation is a non-credit course for students wanting a jump-start in College Algebra, Precalculus or Business Calculus. In an activity-based setting, students will practice key pre-transfer level math concepts, as well as develop essential study-skills needed to be successful in their upcoming BSTEM class. Students will also be connected to college support services to increase the likelihood of reaching their academic and career goals. This course emphasizes the community aspect of learning mathematics. This course is offered on a pass/no pass basis only.

MATH-103**Intermediate Algebra****3 UNITS**

Recommended Preparation: Knowledge of elementary algebra concepts or a "Pass" in MATH 090 or equivalent.

3.0 hours lecture

Math 103 is the second of a two-course sequence in algebra and serves as the prerequisite for a limited number of transferable mathematics courses. This course completes some topics from the first course, such as factoring and operations on rational and radical expressions, and includes the addition of new topics such as exponential and logarithmic expressions and equations, and conic sections. The concept of functions is developed including composition and inverses. Quadratic functions are covered in depth. Computational techniques developed in beginning algebra are prerequisite skills for this course. This course is appropriate for students with a knowledge of beginning algebra or who have had at least two years of high school algebra but have not used it for several years. A student can earn a maximum of (five) 5 units for taking MATH 103 and MATH 110. This course serves as a prerequisite for Math 120, Math 125, and Math 160.

MATH-108**Beginning & Intermediate Algebra for Business, Math, Science, and Engineering Majors****6 UNITS**

Recommended Preparation: Placement in MATH 090.

6.0 hours lecture

A compressed course that covers elementary algebra and in-depth coverage of intermediate algebra intended for the student who has some previous experience with algebra. This course includes topics related to a mathematical foundation for college students who are majoring in business, math, science and engineering and emphasizes the study of the behavior and characteristics of linear, quadratic, rational, radical, exponential, and logarithmic functions from graphic, numeric, analytic and applied perspectives. Graphing calculators are required for this course. This course serves as a prerequisite for Math 120, Math 125, Math 160, Math 170, Math 175, Math 176, and Math 178. A student can earn a maximum of 6 units when taking Math 103 and Math 108. Not open to students with credit in Math 110.

MATH-110**Intermediate Algebra for Business, Math, Science and Engineering Majors****5 UNITS**

Prerequisite: Appropriate placement.

Recommended Preparation: Knowledge of elementary algebra concepts or a "Pass" grade in Math 090 or equivalent.

5.0 hours lecture

Math 110 is the second of a two-course sequence in algebra. This course completes some topics from the first course, such as factoring and operations on rational and radical expressions, and includes the addition of new topics such as exponential and logarithmic expressions and equations, conic sections and an introduction to matrices and sequences and series. The concept of functions is developed including composition and inverses. Quadratic functions are covered in depth. Graphing calculators are required for this course. Computational techniques developed in beginning algebra are prerequisite skills for this course. This course is appropriate for students with a knowledge of beginning algebra or who have had at least two years of high school algebra but have not used it for several years. This course serves as a prerequisite for Math 120, Math 125, Math 150, Math 160, Math 170, Math 175, Math 176, and Math 178. A student can earn a maximum of (five) 5 units for taking MATH 103 and MATH 110.

MATH-110L**Computer Tutorial Review for Intermediate Algebra****1 UNITS**

3.0 hours laboratory

This course is designed for students who wish to review and master previously completed coursework. It should be taken to help strengthen concepts needed for the next course. This course consists of computer-aided tutorials, drills, and problem sets for the purpose of helping the student master the concepts of intermediate algebra. This course is offered on a Pass/ No Pass basis only. (Nondegree credit course)

MATH-120**Quantitative Reasoning****3 UNITS**

Prerequisite: Appropriate placement beyond intermediate algebra or equivalent.

3.0 hours lecture

This course is designed for students in majors that do not require any further mathematics courses in their curricula. Emphasis will be on the communication of mathematical ideas and problem solving pertinent to daily life. Specific topics for this course may include: Mathematics of Personal Finance and investments, Statistics, Probability, Voting Strategies, Estimations, and Measurements. (CSU/UC) (AA/AS-A3, CSU-B4, IGETC-2A)

MATH-125**Structure and Concepts of Elementary Mathematics I****3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in MATH 103 or MATH 108 or MATH 110 or equivalent or appropriate placement beyond intermediate algebra.

3.0 hours lecture, 1.0 hours laboratory

Blending the mathematical topics of sets, whole numbers, numeration, number theory, integers, rational and irrational numbers, measurement, relations, functions and logic. The course will investigate the interrelationships of the above topics using a problem-solving approach. The course will also investigate appropriate use of technology in the classroom. (CSU/UC) (AA/AS-A3, CSU-B4, IGETC-2A)

MATH-126**Structure and Concepts of Elementary Mathematics II****3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in MATH 125 or equivalent.

3.0 hours lecture, 1.0 hours laboratory

Blending the mathematical topics of probability, statistics, relations, graphs, measurement, coordinate geometry, plane geometry, solid geometry, logic, and number sense. The course will investigate the interrelationships of the above topics using a problem-solving approach. The course will also investigate the appropriate use of technology in the classroom. (CSU/UC) (AA/AS-A3, CSU-B4, IGETC-2A)

MATH-128**Children's Mathematical Thinking****1.5 UNITS**

Prerequisite: "C" grade or higher or "Pass" in MATH 125 or equivalent or concurrent enrollment in MATH 125.

1.5 hours lecture

An in-depth analysis of children's mathematical thinking and understanding of operations (addition, subtraction, multiplication, and division), place value and fractions. Students will observe individual children solving mathematical problems. (CSU)

MATH-150**Introduction to Computer Programming Applications in Mathematics** **3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in MATH 110 or equivalent.
3.0 hours lecture

Use of computers to analyze mathematical application problems and their solutions from statistics, engineering and the physical sciences. Fundamentals of structured technical programming including language commands and computational algorithms. (CSU/UC) (AA/AS-A3)

MATH-160**Elementary Statistics** **4 UNITS**

Prerequisite: "C" grade or higher or "Pass" in MATH 096 or MATH 103 or MATH 108 or MATH 110 or equivalent or appropriate placement beyond intermediate algebra.

4.0 hours lecture

This course provides an introduction to descriptive statistics, probability theory and inferential statistics. Topics include data collection; summary and graphical displays of data; measures of central tendency and variability; elementary probability theory; standard procedures involving the normal, binomial, student's t, chi-square, and F distributions; confidence intervals and hypothesis testing; linear correlation and regression; and ANOVA. Students will learn technology for statistical analysis and interpret the relevance of the statistical findings.

Applications come from various fields such as biology, business, economics, education, social sciences, health science, life sciences and psychology. (C-ID MATH 110) (CSU/UC) (AA/AS-A3, CSU-B4, IGETC-2A)

MATH-170**Analytic Trigonometry** **3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in MATH 108 or MATH 110 or equivalent or appropriate placement beyond intermediate algebra. Note: MATH 103 is not equivalent to MATH 110.

3.0 hours lecture

A theoretical approach to the study of the trigonometric functions with emphasis upon circular functions, trigonometric identities, trigonometric equations, graphical methods, inverse functions, vectors and applications, complex numbers, and solving triangles with applications. Passing both MATH 170 and MATH 175 is equivalent to passing MATH 176. A student will earn a total of 7 units for passing both MATH 170 and MATH 175. A student will only earn 6 units if they pass both MATH 170 and MATH 176. (CSU) (AA/AS-A3, CSU-B4)

MATH-175**College Algebra** **4 UNITS**

Prerequisite: "C" grade or higher or "Pass" in MATH 108 or MATH 110 or equivalent or appropriate placement beyond intermediate algebra. Note: MATH 103 is not equivalent to MATH 110.

4.0 hours lecture

Graphic, numeric, and analytic approaches to the study of precalculus concepts from college algebra. Application of appropriate technology including but not limited to graphic utilities to model, analyze, and interpret a collection of data or to solve real-world application problems from a wide variety of disciplines. Topics include the real number system; algebraic exponential, and logarithmic functions and their inverses; graphing techniques for polynomial and rational functions; complex numbers; theory of equations; partial fractions; mathematical induction; sequences and series; matrices; and the binomial theorem. Passing both MATH 170 and MATH 175 is equivalent to passing MATH 176. A student will earn a total of 7 units for MATH 170 and MATH 175. A student will only earn 6 units if the pass both MATH 175 and MATH 176. (CSU/UC) (AA/AS-A3, CSU-B4, IGETC-2A)

MATH-176**Precalculus: Functions and Graphs** **6 UNITS**

Prerequisite: Appropriate Placement or Intermediate Algebra.

6.0 hours lecture

Unification of college algebra and analytical trigonometry based on the function concept. Topics include properties of real number system, inequalities, theory of equations, the study of functions including with emphasis on circular, and inverses, trigonometric identities, trigonometric equations, graphical methods, solving triangles with applications, mathematical induction, sequences and series, matrices, and binomial theorem. Passing MATH 176 is equivalent to passing both MATH 170 and MATH 175. A student will earn 6 units for passing 176 or a total of 7 units for passing both MATH 170 and MATH 175. (CSU/UC) (AA/AS-A3, CSU-B4, IGETC-2A)

MATH-178**Calculus for Business, Social and Behavioral Sciences** **4 UNITS**

Prerequisite: "C" grade or higher in MATH 108 or MATH 110 or equivalent or appropriate placement beyond intermediate algebra. Note: MATH 103 is not equivalent to MATH 110.

Recommended Preparation: "C" grade or higher or "Pass" in MATH 175 or equivalent.

4.0 hours lecture

An introduction to differential and integral calculus with applications specifically designed for business, social and behavioral sciences. Functions studied include polynomials, rationals, exponentials and logarithms. (C-ID MATH 140) (CSU/UC) (AA/AS-A3, CSU-B4, IGETC-2A)

MATH-180**Analytic Geometry and Calculus I** **5 UNITS**

Prerequisite: "C" grade or higher or "Pass" in MATH 170 and MATH 175 or MATH 176 or equivalent.

5.0 hours lecture

A first course in differential and integral calculus of a single variable; functions; limits and continuity; techniques and applications of differentiation and integration; Fundamental Theorem of Calculus. Primarily for science, technology, engineering and mathematics majors. (C-ID MATH 210) (CSU/UC) (AA/AS-A3, CSU-B4, IGETC-2A)

MATH-245**Discrete Mathematics** **3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in MATH 280 or equivalent.

3.0 hours lecture

Introduction to discrete mathematics. Topics to include sets, relations, summations, elementary counting techniques, recurrence relations, logic and proofs. This course is appropriate for mathematics and computer science majors. (CSU/UC) (AA/AS-A3, CSU-B4, IGETC-2A)

MATH-280**Analytic Geometry and Calculus II** **4 UNITS**

Prerequisite: "C" grade or higher or "Pass" in MATH 180 or equivalent.

4.0 hours lecture

A second course in differential and integral calculus of a single variable: integration; techniques of integration; infinite sequences and series; polar and parametric equation; conics. Primarily for Science, Technology, Engineering and Math majors. (C-ID MATH 900S with MATH 180) (CSU/UC) (AA/AS-A3, CSU-B4, IGETC-2A)

MATH-281**Multivariable Calculus****4 UNITS**

Prerequisite: "C" grade or higher or "Pass" in MATH 280 or equivalent.

4.0 hours lecture

Math 281 is the third of a three-course sequence in calculus. Topics include vector valued functions, calculus of functions of more than one variable, partial derivatives, multiple integration, Green's Theorem, Stokes' Theorem, and divergence Theorem. (C-ID MATH 230) (CSU/UC) (AA/AS-A3, CSU-B4, IGETC-2A)

MATH-284**Linear Algebra****3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in MATH 280 or equivalent.

3.0 hours lecture

This course develops the techniques and theory needed to solve and classify systems of linear equations. Solution techniques include row operations, Gaussian elimination, and matrix algebra. Investigates the properties of vectors in two and three dimensions, leading to the notion of an abstract vector space. Vector space and matrix theory are presented including topics such as inner products, norms, orthogonality, eigenvalues, eigenspaces, and linear transformations. Selected applications of linear algebra are included. (C-ID MATH 250) (CSU/UC) (AA/AS-A3, CSU-B4, IGETC-2A)

MATH-285**Differential Equations****3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in MATH 280 or equivalent.

3.0 hours lecture

The course is an introduction to ordinary differential equations including both quantitative and qualitative methods as well as applications from a variety of disciplines. Introduces the theoretical aspects of differential equations and systems of equations, including establishing when solutions exist and various techniques for obtaining solutions (series solutions, Laplace transforms, separation of variables, variation of parameters, etc.) (C-ID MATH 250) (CSU/UC) (AA/AS-A3, CSU-B4, IGETC-2A)

Media Communications (MCOM)

MCOM-105

Introduction to Electronic and Digital Media 3 UNITS
3.0 hours lecture

This course introduces the history, structure, function, economics, content, and evolution of radio, television, film, the Internet, and new media, including traditional and mature formats. The social, political, regulatory, ethical and occupational impact of the electronic media are also studied. (CSU)

MCOM-110

Mass Media and Society 3 UNITS
3.0 hours lecture

Survey of the forms, functions and controls of the mass media, including television, motion pictures, radio, the recording industry, magazines, print journalism, multi-media, and current or emerging mass media technologies. Emphasis will be placed upon the ways in which the media and society influence and change each other. (C-ID JOUR 100) (CSU/UC) (AA/AS-D, CSU-D, IGETC-4)

MCOM-111

Introduction to Film Analysis 3 UNITS
3.0 hours lecture

This course introduces the close analysis of film and television texts. It examines the broad questions of form and content, aesthetics and meaning, and history and culture. Students explore the diverse possibilities presented by the cinematic art form through an examination of a wide variety of productions, national cinemas, and film movements. Topics include modes of production, narrative and non-narrative forms, visual design, editing, sound, genre, ideology, and critical analysis. (CSU/UC) (AA/AS-C, CSU-C1)

MCOM-112

Introduction to Reporting and News Writing 3 UNITS
3.0 hours lecture

This course is an introduction to gathering, organizing, and writing news in journalistic style across multiple platforms, including the role of the journalist and related legal and ethical issues. Students will report and write based on their original interviews and research to produce news content for print, broadcast, and digital media. Experiences may include covering events, interviewing sources, writing under deadline, and implementing Associated Press style. (C-ID JOUR 110) (CSU)

MCOM-113

Media Announcing 3 UNITS
2.0 hours lecture, 3.0 hours laboratory

Preparation and delivery of materials created by the student, or adapted from other works, before the microphone and/or camera. Participation in productions for radio and television. (CSU)

MCOM-116

Introduction to Audio Production 3 UNITS
2.0 hours lecture, 3.0 hours laboratory

This course is an introduction to the theory and practice of audio production for radio, television, film, and digital recording applications. Students will learn the fundamentals of sound design and aesthetics, microphone use, radio broadcast writing, and digital recording equipment. Students gain hands-on experience recording, editing, mixing, and mastering audio. Upon completion, students will have basic knowledge of applied audio concepts, production workflow, equipment functions, and audio editing software. (CSU)

MCOM-117

Television Studio Operations 4 UNITS
3.0 hours lecture, 3.0 hours laboratory

This course introduces the theory, terminology, and operation of a multi-camera television studio and control room. Topics include studio signal flow, directing, theory and operation of camera and audio equipment, switcher operation, fundamentals of lighting, graphics, video control and recording, and real-time video production. (CSU)

MCOM-118

Media Script Writing 3 UNITS
3.0 hours lecture

This is an introductory course in writing for film and digital media. Emphasis is placed on preparing scripts in proper formats, including fundamental technical, conceptual, and stylistic issues related to writing fiction and non-fiction scripts for informational and entertainment purposes. It includes writing evaluation as a significant course requirement. (CSU)

MCOM-119A

Radio Station Operations 1 3 UNITS

Prerequisite: "C" grade or higher or "Pass" or concurrent enrollment in MCOM 116 or MCOM 113 or equivalent.

2.0 hours lecture, 4.0 hours laboratory
Introductory course in theory and practical application of techniques for radio broadcasting, streaming, and podcasting. Students will gain and practice practical knowledge of on-and off-air radio and audio productions in both live and pre-recorded audio-based media-distributed platforms. This includes recording equipment, mixers, digital audio production, radio program formats, broadcast radio writing, and announcing skills. The course focuses on day-to-day operations and individual involvement in on-air news operations and training in live radio broadcasting and remote operations. (CSU)

MCOM-119B

Radio Station Operations 2 3 UNITS

Prerequisite: "C" grade or higher or "Pass" in MCOM 119A or equivalent.

2.0 hours lecture, 4.0 hours laboratory
Intermediate course in theory and practical application of techniques for radio broadcasting, streaming, and podcasting. Students will continue to gain and practice practical knowledge of on-and off-air radio and audio productions in both live and pre-recorded audio-based media-distributed platforms. This includes recording equipment, mixers, digital audio production, radio program formats, broadcast radio writing, and announcing skills. The course focuses on day-to-day operations and individual involvement in on-air news operations and training in live radio broadcasting and remote operations. (CSU)

MCOM-119C

Radio Station Operations 3 3 UNITS

Prerequisite: "C" grade or higher or "Pass" in MCOM 119B or equivalent.

2.0 hours lecture, 4.0 hours laboratory
Advanced capstone course in theory and practical application of techniques for radio broadcasting, streaming, and podcasting. Students will successively continue to gain and practice practical knowledge of on-and off-air radio and audio productions in both live and pre-recorded audio-based media-distributed platforms. This includes recording equipment, mixers, digital audio production, radio program formats, broadcast radio writing, and announcing skills. The course focuses on day-to-day operations and individual involvement in on-air news operations and training in live radio broadcasting and remote operations. (CSU)

MCOM-120**Single Camera Video Cinematography****3 UNITS**

2.0 hours lecture, 3.0 hours laboratory

This course introduces the theory, terminology, and operation of single camera video production, including composition and editing techniques, camera operation, portable lighting, video recorder operation, audio control, and basic editing. It examines foundational media law and ethics pertaining to visual creations and focuses on the aesthetics and fundamentals of scripting, producing, and directing on location, postproduction, and exhibition. (CSU/UC)

MCOM-132A**Student News Production 1****3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in MCOM 112 or equivalent.

1.0 hours lecture, 6.0 hours laboratory

The introductory course in a series of three, this student media practicum includes a lab that regularly produces a news or feature non-fiction product with a journalism emphasis by and for students and distributed to a campus or community audience. Includes weekly news assignments and a variety of student media across multiple platforms. The student will gain practical experience in design, visual, online, multimedia journalism, and emerging technologies. The publication is student-produced with student leadership. (C-ID JOUR 130) (CSU)

MCOM-132B**Student News Production 2****3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in MCOM 132A or equivalent.

1.0 hours lecture, 6.0 hours laboratory

This course requires higher skill level and leadership involvement than Media Communication 132A. This intermediate student media practicum includes a lab that regularly produces a news or feature nonfiction product with a journalism emphasis by and for students and distributes it to a campus or community audience. Includes weekly news assignments and a variety of student media across multiple platforms. The student will gain practical experience in design, visual, online, multimedia journalism, and emerging technologies. The publication is student-produced with student leadership. (C-ID JOUR 131) (CSU)

MCOM-132C**Student News Production 3****3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in MCOM 132B or equivalent.

1.0 hours lecture, 6.0 hours laboratory

This course requires the highest level of leadership in student news production. This advanced student media practicum includes a lab that regularly produces a news or feature nonfiction product with a journalism emphasis by and for students and distributes to a campus or community audience. Includes weekly news assignments and a variety of student media across multiple platforms. The student will gain practical experience in editorial leadership, design, visual, online, multimedia journalism, and emerging technologies. The publication is student-produced with student leadership. (CSU)

MCOM-151**Media Internship 1****1 UNITS**

Prerequisite: "C" grade or higher or "Pass" in MCOM 112 or MCOM 116 or MCOM 117 or equivalent.

After securing a media-related internship, students will observe operations and work onsite for an average of five hours per week over a full-length semester. Students will report progress to the MCOM internship coordinator. A log will be kept on student activities at the production site. (CSU) 5 hours work experience per week, 60 volunteer hours or 75 paid hours.

MCOM-153**Media Internship 2****2 UNITS**

Prerequisite: "C" grade or higher or "Pass" in MCOM 112 or MCOM 116 or MCOM 117 or equivalent.

After securing a media-related internship, students will observe operations and work onsite for an average of 10 hours per week over a full-length semester. Students will report progress to the MCOM internship coordinator. A log will be kept on student activities at the production site. (CSU) 10 hours work experience per week, 120 volunteer hours or 150 paid hours.

MCOM-155**Media Internship 3****3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in MCOM 112 or MCOM 116 or MCOM 117 or equivalent.

After securing a media-related internship, students will observe operations and work onsite for an average of 15 hours per week over a full-length semester. Students will report progress to the MCOM internship coordinator. A log will be kept on student activities at the production site. (CSU) 15 hours work experience per week, 180 volunteer hours or 225 paid hours.

MCOM-210**Social Media in the Digital Age****3 UNITS**

3.0 hours lecture

This course examines the theory and ethics behind creating and consuming digital, social and mobile media. Students will examine the fundamentals of social media and social networks. Students will also analyze ethical standards and legal issues in social media, appraise personal uses of social media, and evaluate professional uses for mass communication or media professions. (CSU)

MCOM-212**Multimedia Reporting****3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in MCOM 112 or equivalent.

2.0 hours lecture, 3.0 hours laboratory

This course will provide an introduction to multimedia storytelling with a journalism emphasis. Techniques that will be explored include use of video, photos, audio, animation, and text to convey interactive news and feature stories through the Internet and other electronic media. It also will include techniques in digital research, critical thinking, and synthesis. (C-ID JOUR 120)

MCOM-216A**Audio Multi-track Production 1****3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in MCOM 116 or equivalent.

2.0 hours lecture, 3.0 hours laboratory

This course serves as an introduction to contemporary audio studio multi-track production and the use of multi-channel audio studio recording and mixing. Students will learn the fundamentals of digital multi-track recording and use of equipment. Students gain hands-on experience recording and editing audio. Emphasis is placed on pre-production, production, and post-production with the goal of enabling students to produce quality audio projects for use throughout the entertainment industry. (CSU)

MCOM-216B**Audio Multi-track Production 2****3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in MCOM 216A or equivalent.

2.0 hours lecture, 3.0 hours laboratory

This course requires a higher skill level and involvement than MCOM 216 A. This intermediate course focuses on contemporary audio studio multi-track production and the use of multi-channel audio studio recording and mixing. Emphasis is placed on pre-production, production, and post-production with the goal of enabling students to produce quality audio projects for use throughout the entertainment industry. Students participate in group and individual digital projects while exploring audio production applications. (CSU)

MCOM-216C**Audio Multi-track Production 3****3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in MCOM 216B or equivalent.

2.0 hours lecture, 3.0 hours laboratory

This course requires a higher skill level and involvement than MCOM 216B. This capstone course focuses on contemporary audio studio multi-track production and the use of multi-channel audio studio recording and mixing. Emphasis is placed on pre-production, production, and post-production with the goal of enabling students to produce quality audio projects for use throughout the entertainment industry. Students will engineer and lead other students in a full multi-track recording session and final edited mix. Students participate in group and individual project work to produce digital projects while exploring audio production applications and media sound design for distribution. (CSU)

MCOM-217**Television/Video News Producing and Directing****3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in MCOM 117 or equivalent.

Recommended Preparation: "C" grade or higher or "Pass" in MCOM 120 or equivalent.

2.0 hours lecture, 4.0 hours laboratory

Students will learn to function as a member of a television production crew and will work with the tools involved in studio and field productions. Students will produce short-form, television news-style productions that will be compiled for public dissemination. The course will cover contemporary practices, stages, and operations affiliated with electronic news productions. Students will learn the functions of the producer, director, and other essential production personnel specifically in a news production context. Students will produce content for documentary-style news packages in the field and studio. (CSU)

MCOM-230**Digital Program Production****3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in MCOM 120 or equivalent.

Recommended Preparation: "C" grade or higher or "Pass" in MCOM 118 or equivalent.

2.0 hours lecture, 3.0 hours laboratory

This capstone course provides the theory, terminology, law, and process of motion picture production for film and television. Topics include basic cinematography including the operation, function, and creative uses of pre-production, production and post-production equipment, scriptwriting, ethics, camera operations, shot composition, lighting, sound recording and mixing, and editing. Students will conceive, write, and shoot footage for a short documentary or narrative film project, working in small groups on all aspects of pre-production and acquisition. (CSU)

MCOM-250**Introduction to Representation in the Media****3 UNITS**

3.0 hours lecture

This course will examine how socially constructed categories of gender, race, class, disability, sexuality, and ethnicity shape media texts and institutions as well as how media structure our understanding of these concepts through our everyday practices. Students will study and analyze representation within contemporary and historical media. Topics of discussion may include the role of the media outlets in setting societal norms, setting public agenda, and shaping popular perceptions. This course investigates the real and symbolic power of the media in shaping public opinion as expressed in contemporary global society. Students will consider representation and intersectionality of marginalized groups through the lens of critical studies and historical analysis. (CSU)

Music (MUS)

MUS-001

Music Fundamentals

4 UNITS

4.0 hours lecture

Basic elements of music. Notation, major and minor keys, intervals, triads and 7th chords with inversions. Musical terms and analysis of chord structures. Keyboard application. (CSU/UC)

MUS-002

Ear Training I

3 UNITS

3.0 hours lecture

The first semester of a four-semester sequence, this is an introductory course designed to familiarize the student with the techniques necessary for musical transcription and dictation. Various approaches will be explored and examined in detail. These techniques will then be employed by the students in transcription and dictation of assigned music. (CSU/UC)

MUS-003

Ear Training II

3 UNITS

Prerequisite: "C" grade or higher or "Pass" in MUS 002 or equivalent.

3.0 hours lecture

The second semester of a four-semester sequence, this course is a continuation of Music 002 and is designed to further skill development in the techniques necessary for musical transcription and dictation. Various approaches will be explored and examined in detail. These techniques will then be employed by the students in transcription and dictation of assigned music. (CSU/UC)

MUS-004

Ear Training III

3 UNITS

Prerequisite: "C" grade or higher or "Pass" in MUS 003 or equivalent.

3.0 hours lecture

The third semester of a four semester sequence, this course is a continuation of Music 003 and is designed to further skill development in the techniques necessary for musical transcription and dictation. Various approaches will be explored and examined in detail. These techniques will then be employed by the students in transcription and dictation of assigned music. (CSU/UC)

MUS-005

Ear Training IV

3 UNITS

Prerequisite: "C" grade or higher or "Pass" in MUS 004 or equivalent.

3.0 hours lecture

The fourth semester of a four semester sequence, this course is a continuation of Music 004 and is designed to further skill development in the techniques necessary for musical transcription and dictation. Various approaches will be explored and examined in detail. These techniques will then be employed by the students in transcription and dictation of assigned music. (CSU/UC)

MUS-038

Chorale for Adult Learner

0 UNITS

Prerequisite: Audition and a "C" grade or higher or "Pass" in MUS 239 or equivalent.

2.5 hours lecture, 2.5 hours laboratory

This course is designed for mature students who are interested in improving existing skills or developing a higher degree of expertise in the performance of choral music. This is a no fee/no credit course.

MUS-050

Orchestra for Adult Learner

0 UNITS

Prerequisite: Audition and a "C" grade or higher or "Pass" in MUS 251 or equivalent.

2.5 hours lecture, 2.5 hours laboratory

This course is designed for mature students who are interested in improving existing skills or developing a higher degree of expertise in the performance of orchestral music. This is a no fee/no credit course.

MUS-090

Preparatory Performance Studies I

0.5 UNITS

1.5 hours laboratory

An introductory course designed to begin the preparation of the student for entrance into Music 190, Performance Studies. This course will enhance the musical progress of students who are currently receiving the equivalent of fifteen one-half hour lessons per semester of individual vocal or instrumental instruction. This course is offered on a Pass/ No Pass basis only. (Non-degree credit course.)

MUS-091

Preparatory Performance Studies II

0.5 UNITS

1.5 hours laboratory

This course is designed to continue the preparation of the student for entrance into Music 190, Performance Studies. This course will enhance the musical progress of students who are currently receiving the equivalent of fifteen one-half hour lessons per semester of individual vocal or instrumental instruction. This course is offered on a Pass/ No Pass basis only. (Non-degree credit course.)

MUS-101

Jazz Improvisation I

3 UNITS

Prerequisite: "C" grade or higher or "Pass" in MUS 001 or 128 or 132 or equivalent.

3.0 hours lecture

This course will introduce the student to concepts and skills utilized in improvisation. Along the way, students will actively participate in exercises, experiments, and performances utilizing jazz vocabulary, scales, and theory. Major scales and diatonic arpeggios are memorized and applied to various jazz styles. The harmonic minor scale is applied to secondary dominants in chord progressions. (CSU/UC)

MUS-102

Jazz Improvisation II

3 UNITS

Prerequisite: "C" grade or higher or "Pass" in MUS 101 or equivalent.

3.0 hours lecture

Continuation of Music 101. This course will expand upon the concepts and skills utilized in improvisation. Along the way, students will participate in exercises, experiments, and performances utilizing jazz vocabulary, scales, and theory. Pentatonic scales and quartal/quintal harmony are introduced. The melodic minor scale as well as diminished and whole tone scales are applied to secondary dominants in various jazz styles. (CSU/UC)

MUS-105

Music Theory and Practice I

4 UNITS

Recommended Preparation: A "C" grade or higher or "Pass" in Music 001 or equivalent. Concurrent enrollment in Music 132.

4.0 hours lecture, 2.0 hours laboratory

An introduction to music theory and ear-training. Study of harmonic concepts of the 18th and 19th centuries. Rhythmic and melodic ear-training. Keyboard application and sight singing. (C-ID MUS 120) (CSU/UC)

MUS-106**Music Theory and Practice II****4 UNITS**

Prerequisite: "C" grade or higher or "Pass" in MUS 105 or equivalent.

Recommended Preparation: Concurrent enrollment in MUS 133.

4.0 hours lecture, 2.0 hours laboratory

Continuation of Music 105. Four-part writing, 7th chords, cadences, and non-chord tones. Rhythmic and melodic dictation and harmonic ear-training. Sight singing. Analysis of Bach Chorales and of binary and ternary forms. Introduction to secondary/applied chords and introduction to modulation. (C-ID MUS 130) (CSU/UC)

MUS-110**Great Music Listening****3 UNITS**

3.0 hours lecture

A listening and reading survey course to acquaint students with fundamental elements of musical style. Covers repertoire from a variety of cultures and periods with primary emphasis on the Western concert tradition. (CSU/UC) (AA/AS-C, CSU-C1, IGETC-3A)

MUS-111**The History of Jazz****3 UNITS**

3.0 hours lecture

A listening and reading survey course covering the history of jazz from its origins to the present. Coverage includes style periods, signature artists, the broad cultural context of jazz, and the development of critical listening skills. (CSU/UC) (AA/AS-C, CSU-C1, IGETC-3A)

MUS-115**The History of Rock Music****3 UNITS**

3.0 hours lecture

This course will present an overview of rock and rock-related music styles from the early 1950s up to the present. Coverage will also include the interplay of social and cultural trends with the innovations and achievements of individual artists, the ongoing influence of technology on music, the cross-fertilization of black and white popular music styles, and recurring cycles of rebellion against and assimilation by the popular music industry. In addition, basic musical concepts such as pitch, rhythm, and form will be introduced and applied to the music under consideration. (CSU/UC) (AA/AS-C, CSU-C1, IGETC-3A)

MUS-116**Introduction to World Music****3 UNITS**

3.0 hours lecture

This course is designed to expand the student's perspective about the nature of music around the world and also to demonstrate the relationship between musics in different cultures and will highlight elements common to all musics. Content may include the music of the cultures of India, China, Japan, Indonesia, Africa, Pacific Islands, the Middle East, Europe and the Americas. (CSU/UC) (AA/AS-C, CSU-C1, IGETC-3A)

MUS-117**Introduction to Music History and Literature****3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in MUS 001 or equivalent.

3.0 hours lecture

An introduction to the study of music history of the seven musical eras from the Ancient through the Twentieth Century periods. Parallel events in society, politics, and the other arts will be identified. (CSU/UC) (AA/AS-C, CSU-C1, IGETC-3A)

MUS-118**Introduction to Music****4 UNITS**

4.0 hours lecture

The study of basic music theory including notation, rhythm, scales, intervals, triads, and sight singing. Introduction to basic rhythm instruments, development of keyboard facility and vocal skill. Designed for the pre-school and elementary education major. (CSU/UC)

MUS-123**History of Hip Hop Culture****3 UNITS**

3.0 hours lecture

This is a survey course that will examine the origins and rise of Hip-Hop as an artistic form and global cultural phenomenon. It is designed for students who wish to examine and explore Hip-Hop culture, while developing background knowledge of Hip-Hop history from the early 1970's South Bronx to its national and international role today. The connections between rap music and the other elements of Hip-Hop culture will be explored and students will be challenged to think critically about rap music and its place in society. Controversial subjects such as censorship, racism, sexism, and racial politics in America will be discussed as they relate to the subject matter. (CSU/UC) (AA/AS-C, CSU-C1, IGETC-3A)

MUS-124**Classical Guitar I****2 UNITS**

2.0 hours lecture

Beginning study of classical guitar technique and performance.

Emphasis on reading music and guitar notation, left- and right-hand studies and performing simple guitar pieces. (CSU/UC)

MUS-125**Classical Guitar II****2 UNITS**

Prerequisite: "C" grade or higher or "Pass" in MUS 124 or equivalent.

2.0 hours lecture

Continuation of Classical Guitar I (Music 124). Two and three octave major and minor scales. Playing in upper positions. Sight reading and intermediate guitar solos. (CSU/UC)

MUS-126**Class Guitar I****2 UNITS**

2.0 hours lecture

A beginning course in guitar. Fundamentals of music as related to the guitar will be covered and will include scales and chords in all common keys, culminating in an ability to read guitar music at sight. (CSU/UC)

MUS-127**Class Guitar II****2 UNITS**

Prerequisite: "C" grade or higher or "Pass" in MUS 126 or equivalent.

2.0 hours lecture

Class Guitar II continues the studies begun in Class Guitar I.

Fundamentals of music taught will include the playing of major and minor scales and the playing and use of chords in all keys, including chords used in the contemporary idioms. Fingerstyle and fingerboard work is refined. Student will be able to read at sight appropriate music for the guitar. (CSU/UC)

MUS-128**Music Theory for Guitar I****3 UNITS**

3.0 hours lecture, 1.0 hours laboratory

Music theory through guitar will focus on the understanding of scales, chords and fundamental harmony and their application to the guitar. This course will enhance the student's playing skills, develop the ability to understand music one hears, and help students to improvise and write their own music. (CSU/UC)

MUS-129**Music Theory for Guitar II 3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in MUS 128 or equivalent.

3.0 hours lecture, 1.0 hours laboratory

Music Theory for the Guitar II is an advanced course for the student who has intermediate technical and theoretical skill on the guitar. The class will include advanced principles of theory on the guitar (playing in thirds, sixths, chord substitutions, different guitar tunings, etc.). There will also be advanced composition projects and improvisation sessions. (CSU/UC)

MUS-130**Beginning Bass Guitar 2 UNITS**

2.0 hours lecture

Fundamentals of music will be covered as they relate to the bass guitar will be covered and will include scales, rhythm, music reading, grooves, slap technique, and various playing styles. (CSU/UC)

MUS-132**Class Piano I 3 UNITS**

3.0 hours lecture

Note reading in treble and bass clefs. Major and minor key signatures.

Scales, arpeggios and primary triads in major and minor keys.

Transposition, improvisation and harmonization. Development of sight reading ability, two-handed coordination, correct fingering techniques and proper use of weight and relaxation in production of tone. (C-ID MUS 170) (CSU/UC)

MUS-133**Class Piano II 3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in MUS 132 or equivalent.

3.0 hours lecture

Continuation of Music 132. Scales in minor keys. Scales with hands together. Music literature performed in major and minor keys.

Harmonization and sight reading in major and minor keys. Piano pieces in binary form with mixed texture including parallel, contrary and oblique motion. (C-ID MUS 171) (CSU/UC)

MUS-134**Jazz and Pop Piano I 2 UNITS**

2.0 hours lecture

An entry level piano class designed for non-music majors. Basic keyboard, music reading, and improvisational skills will be developed through the study of music from jazz and popular idioms. (CSU/UC)

MUS-135**Jazz and Pop Piano II 2 UNITS**

Recommended Preparation: A "C" or "Pass" grade or higher in Music 134 or equivalent.

2.0 hours lecture

A continuation of Music 134. A second semester class for students learning to play basic piano music with emphasis on jazz and popular idioms. (CSU/UC)

MUS-138**Grossmont Master Chorale 1 UNITS**

Prerequisite: Audition.

3.0 hours laboratory

An activity based course that studies representative choral compositions in a wide variety of styles at regular rehearsals and public performances. Musical literature differs each semester to allow the student to meet course objectives through weekly/semesterly repetition in rehearsals and in-class performances. (C-ID MUS 180) (CSU/UC)

MUS-139**Grossmont Master Chorale 1 UNITS**

Prerequisite: Audition.

3.0 hours laboratory

An activity based course that studies representative choral compositions in a wide variety of styles at regular rehearsals and public performances. Musical literature differs each semester to allow the student to meet course objectives through weekly/semesterly repetition in rehearsals and in-class performances. (C-ID MUS 180) (CSU/UC)

MUS-140**String Orchestra 1 UNITS**

Prerequisite: Audition

3.0 hours laboratory

An activity based course that studies representative string orchestra compositions in a wide variety of styles at regular rehearsals and public performances. Musical literature differs each semester to allow the student to meet course objectives through weekly/semesterly repetition in rehearsals and in-class performances. (CSU/UC)

MUS-141**String Orchestra 1 UNITS**

Prerequisite: Audition

3.0 hours laboratory

An activity based course that studies representative string orchestra compositions in a wide variety of styles at regular rehearsals and public performances. Musical literature differs each semester to allow the student to meet course objectives through weekly/semesterly repetition in rehearsals and in-class performances. (CSU/UC)

MUS-142**Middle Eastern Ensemble 1 UNITS**

Prerequisite: Audition

3.0 hours laboratory

An activity based course that studies music from regions of the Middle East and related areas through regular rehearsal and public performances. Emphasis will be placed on development of skills needed to perform in a large ensemble. Musical literature differs each semester to allow the student to meet course objectives through weekly/semesterly repetition in rehearsals and in-class performances. (CSU/UC)

MUS-143**Middle Eastern Ensemble 1 UNITS**

Prerequisite: Audition

3.0 hours laboratory

An activity based course that studies music from regions of the Middle East and related areas through regular rehearsal and public performances. Emphasis will be placed on development of skills needed to perform in a large ensemble. Musical literature differs each semester to allow the student to meet course objectives through weekly/semesterly repetition in rehearsals and in-class performances. (CSU/UC)

MUS-148**Classical Guitar Ensemble 1 UNITS**

Prerequisite: Audition.

3.0 hours laboratory

An activity based course that studies representative guitar compositions in a wide variety of styles at regular rehearsals and public performances. Musical literature differs each semester to allow the student to meet course objectives through weekly/semesterly repetition in rehearsals and in-class performances. (CSU/UC)

MUS-149**Classical Guitar Ensemble****1 UNITS**

Prerequisite: Audition.

3.0 hours laboratory

An activity based course that studies representative guitar compositions in a wide variety of styles at regular rehearsals and public performances. Musical literature differs each semester to allow the student to meet course objectives through weekly/semesterly repetition in rehearsals and in-class performances. (CSU/UC)

MUS-150**Grossmont Symphony Orchestra****1 UNITS**

Prerequisite: Audition.

3.0 hours laboratory

An activity based course that studies representative orchestral compositions in a wide variety of styles at regular rehearsals and public performances. Musical literature differs each semester to allow the student to meet course objectives through weekly/semesterly repetition in rehearsals and in-class performances. (C-ID MUS 180) (CSU/UC)

MUS-151**Grossmont Symphony Orchestra****1 UNITS**

Prerequisite: Audition.

3.0 hours laboratory

An activity based course that studies representative orchestral compositions in a wide variety of styles at regular rehearsals and public performances. Musical literature differs each semester to allow the student to meet course objectives through weekly/semesterly repetition in rehearsals and in-class performances. (C-ID MUS 180) (CSU/UC)

MUS-152**Concert Band****1 UNITS**

Prerequisite: Audition

3.0 hours laboratory

An activity based course that studies representative concert band ensemble compositions in a wide variety of styles at regular rehearsals and public performances. Musical literature differs each semester to allow the student to meet course objectives through weekly/semesterly repetition in rehearsals and in-class performances. (C-ID MUS 180) (CSU/UC)

MUS-153**Concert Band****1 UNITS**

Prerequisite: Audition

3.0 hours laboratory

An activity based course that studies representative concert band ensemble compositions in a wide variety of styles at regular rehearsals and public performances. Musical literature differs each semester to allow the student to meet course objectives through weekly/semesterly repetition in rehearsals and in-class performances. (C-ID MUS 180) (CSU/UC)

MUS-154**Afro-Cuban Ensemble****1 UNITS**

Prerequisite: Audition.

3.0 hours laboratory

An activity based course that studies representative Afro-Cuban compositions in a wide variety of styles at regular rehearsals and public performances. Though the musical literature differs each semester, the students meet course objectives through weekly/semesterly repetition in rehearsals and in-class performances. (C-ID MUS 180) (CSU/UC)

MUS-155**Afro-Cuban Ensemble****1 UNITS**

Prerequisite: Audition.

3.0 hours laboratory

An activity based course that studies representative Afro-Cuban compositions in a wide variety of styles at regular rehearsals and public performances. Though the musical literature differs each semester, the students meet course objectives through weekly/semesterly repetition in rehearsals and in-class performances. (C-ID MUS 180) (CSU/UC)

MUS-156**Jazz Ensemble****1 UNITS**

Prerequisite: Audition

3.0 hours laboratory

An activity based course that studies representative jazz compositions in a wide variety of styles at regular rehearsals and public performances. Though the musical literature differs each semester, the students meet course objectives through weekly/semesterly repetition in rehearsals and in-class performances. (C-ID MUS 180) (CSU/UC)

MUS-157**Jazz Ensemble****1 UNITS**

Prerequisite: Audition

3.0 hours laboratory

An activity based course that studies representative jazz compositions in a wide variety of styles at regular rehearsals and public performances. Though the musical literature differs each semester, the students meet course objectives through weekly/semesterly repetition in rehearsals and in-class performances. (C-ID MUS 180) (CSU/UC)

MUS-160**Introduction to Afro-Cuban Percussion****3 UNITS**

3.0 hours lecture

An introductory course designed to familiarize the student with Afro-Cuban percussion instruments. Topics will include the role of each instrument, rhythmic concepts, forms, structure, and application. Experience in Afro-Cuban music is not required. (CSU)

MUS-164**Musical Theatre Orchestra****1 UNITS**

Prerequisite: Audition.

3.0 hours laboratory

A course emphasizing the performance of a variety of orchestral music ranging from Broadway musicals, semi-classical, classical, contemporary music and orchestral jazz standards. (CSU/UC)

MUS-165**Musical Theatre Orchestra****1 UNITS**

Prerequisite: Audition.

3.0 hours laboratory

A course emphasizing the performance of a variety of orchestral music ranging from Broadway musicals, semi-classical, classical, contemporary music and orchestral jazz standards. (CSU/UC)

MUS-166**Jazz Vocal Ensemble****1 UNITS**

Prerequisite: Audition.

3.0 hours laboratory

An activity based course that studies representative compositions for vocal jazz ensemble in a wide variety of styles at regular rehearsals and public performances. Though the musical literature differs each semester the student meets course objectives through weekly/semesterly repetition in rehearsals and in-class performances. (C-ID MUS 180) (CSU/UC)

MUS-167**Jazz Vocal Ensemble****1 UNITS**

Prerequisite: Audition.

3.0 hours laboratory

An activity based course that studies representative compositions for vocal jazz ensemble in a wide variety of styles at regular rehearsals and public performances. Though the musical literature differs each semester the student meets course objectives through weekly/semesterly repetition in rehearsals and in-class performances. (C-ID MUS 180) (CSU/UC)

MUS-168**Jazz Combo Performance I****3 UNITS**

Prerequisite: Ability to play a musical instrument. Audition.

3.0 hours lecture

An introductory course designed to familiarize the student with the techniques and musical styles necessary for performing in a jazz combo. The roles played by each instrument will be explored and examined in detail. These techniques will then be employed by the students in performing assigned music together. (CSU/UC)

MUS-169**Jazz Combo Performance II****3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in MUS 168 or equivalent.

3.0 hours lecture

An intermediate level course designed to provide the student with the techniques and musical styles necessary for performing in a jazz combo. The roles played by each instrument will be explored and examined in detail. These techniques will then be employed by the students in performing assigned music together. (CSU/UC)

MUS-170**Class Voice****2 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in MUS 001 or ability to read music.

2.0 hours lecture

A course designed to help the student learn to use the voice correctly. Principles of vocal placement, posture, balance, breath control and vocal tone emphasized through individual performances. (CSU/UC)

MUS-171**Class Voice****2 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in MUS 001 or ability to read music.

2.0 hours lecture

A course designed to help the student learn to use the voice correctly. Principles of vocal placement, posture, balance, breath control and vocal tone emphasized through individual performances. (CSU/UC)

MUS-180**Modern Drumset Technique I****3 UNITS**

3.0 hours lecture

This course will present, by demonstration, description, and notation, the skills and knowledge that are necessary for a drummer to play in a variety of musical styles, including rock, funk, slow blues and shuffle. The student will develop the techniques needed to perform such music. Emphasis will be on reading, writing, and coordination, as the student develops his/her drumset musicianship. (CSU/UC)

MUS-181**Modern Drumset Technique II****3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in MUS 180 or equivalent.

3.0 hours lecture

This course will present an overview of jazz drumset styles. The student will be introduced to the various techniques necessary to play in the jazz idiom. The styles of historically significant drummers will be presented and discussed. (CSU/UC)

MUS-183**Basic Synthesizer Programming****2 UNITS**

2.0 hours lecture, 1.0 hours laboratory

An introduction to the basic parameters of electronic music leading to programming of monophonic and polyphonic synthesizers. Includes experience in the use of analog, digital, and computer music systems. (CSU)

MUS-187**Midi Sequencing and Recording****2 UNITS**

2.0 hours lecture, 1.0 hours laboratory

Production of multi-track recordings through the use of MIDI synthesizers, sequencers and related equipment. (CSU)

MUS-189**Multimedia and the Creative Arts****3 UNITS**

3.0 hours lecture

The creative potential that multimedia allows us cannot be studied in a vacuum. Today's powerful new technologies demand a critical examination of the disciplines of art, music, theatre, audio-video and film to fully understand the impact that multimedia can have in every aspect of our contemporary lives. This cross-disciplinary survey course will provide the perspective needed to fully understand the computer's relevance to the creative endeavors of visual and performing artists, photographers, musicians, filmmakers and videographers. This course will present a short history of each discipline, attempting to isolate important issues within a larger historical context as well as providing the cultural, aesthetic and ethical implications each medium has encountered with the introduction of the computer as a creative tool. Students will be guided toward defining the relevance of each medium within the broader context of multimedia, as well as exploring the convergence of these disciplines within the broader context of multimedia, as well as exploring the convergence of these disciplines within the ever-changing new technologies of this century. (CSU/UC)

MUS-190**Performance Studies****0.5 UNITS**

Prerequisite: Audition.

1.5 hours laboratory

Primarily for music majors, this course is designed to enhance the musical progress of students who are currently receiving the equivalent of fifteen one-half hour lessons per semester of individual vocal or instrumental instruction. In-depth study of performances and techniques. Participation in class performances and student recitals is required. (C-ID MUS 160) (CSU/UC)

MUS-191**Performance Studies****0.5 UNITS**

Prerequisite: Audition.

1.5 hours laboratory

Primarily for music majors, this course is designed to enhance the musical progress of students who are currently receiving the equivalent of fifteen one-half hour lessons per semester of individual vocal or instrumental instruction. In-depth study of performances and techniques. Participation in class performances and student recitals is required. (C-ID MUS 160) (CSU/UC)

MUS-201**Jazz Improvisation III 3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in MUS 102 or equivalent.

3.0 hours lecture

Continuation of Music 102. This course will expand upon the concepts and skills utilized in improvisation. Along the way, students will actively participate in exercises, experiments, and performances utilizing jazz vocabulary, scales, and theory. Developing pentatonic and melodic minor arpeggios in a jazz solo. Breaking down the jazz lines for the sake of making more music with fewer notes. (CSU/UC)

MUS-202**Jazz Improvisation IV 3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in MUS 201 or equivalent.

3.0 hours lecture

Continuation of Music 201. This course will expand upon the concepts and skills utilized in improvisation. Along the way, students will actively participate in exercises, experiments, and performances utilizing jazz vocabulary, scales, and theory. Applying at will, six different sounds during the jazz solo: (1) melodic minor, (2) harmonic minor, (3) whole tone, (4) diminished, (6) modality. (CSU/UC)

MUS-203**Jazz Piano III 3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in MUS 133 or equivalent.

3.0 hours lecture

Continuation of Music 133. Review of major and minor scales and modes. Common jazz chord progressions. Ensemble playing and accompaniment. Jazz pieces in blues and rounded ternary form. Designed for the jazz studies emphasis in the music degree. (CSU/UC)

MUS-204**Jazz Piano IV 3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in MUS 203 or equivalent.

3.0 hours lecture

Continuation of Music 233. Keyboard harmony and chord progression cycles. Reading fake books. Ensemble playing and accompaniment. Piano literature from jazz history. Designed for the jazz studies emphasis in the music degree. (CSU/UC)

MUS-205**Music Theory and Practice III 4 UNITS**

Prerequisite: "C" grade or higher or "Pass" in MUS 106 or equivalent.

Recommended Preparation: Concurrent enrollment in MUS 232.

4.0 hours lecture, 2.0 hours laboratory

Continuation of Music 106. Chromatic harmony of the 18th and 19th centuries including secondary dominants, borrowed chords and altered chords. Rhythmic, melodic and harmonic dictation. Sight singing. Analysis of Bach Chorales. Form analysis of Sonata-form, Minuet/Scherzo, Rondo, and Theme and Variations. (C-ID MUS 140) (CSU/UC)

MUS-206**Music Theory and Practice IV 4 UNITS**

Prerequisite: "C" grade or higher or "Pass" in MUS 205 or equivalent.

Recommended Preparation: Concurrent enrollment in MUS 233.

4.0 hours lecture, 2.0 hours laboratory

Continuation of Music 205. Harmony of the Post-Romantic and 20th century styles. Expanded tonality. Use of church modes, pentatonic, synthetic and dodecaphonic scales. Parallelism, pandiatonicism, twelve-tone technique, aleatory music and electronic music. Study of the 18th century two-part counterpoint. Ear-training and sight singing. (C-ID MUS 150) (CSU/UC)

MUS-210**Elements of Jazz I 4 UNITS**

Prerequisite: "C" grade or higher or "Pass" in MUS 106 or equivalent.

4.0 hours lecture

This class will introduce the student to the creative language of jazz via the study of chord voicings, harmonic and melodic analysis, ear training, and improvisational concepts. Jazz scales, form and harmonic chord structure will be examined. Standard repertoire in jazz style will be used for analysis. (CSU/UC)

MUS-211**Elements of Jazz II 4 UNITS**

Prerequisite: "C" grade or higher or "Pass" in MUS 210 or equivalent.

4.0 hours lecture

The genre of music known as Be Bop represents the innovations of Charlie Parker, Dizzy Gillespie, Bud Powell, Thelonious Monk, Charles Mingus, Max Roach, and Kenny Clarke. Elements of Jazz II extends and elaborates the principles that were introduced in Elements of Jazz I. (CSU/UC)

MUS-212**Piano III 2 UNITS**

Prerequisite: "C" grade or higher or "Pass" in MUS 113 or equivalent.

2.0 hours lecture

Piano for non-music majors. Continuation of Music 113. Harmonization of melodies using primary and secondary triads. Playing solo piano pieces. (CSU/UC)

MUS-213**Piano IV 2 UNITS**

Prerequisite: "C" grade or higher or "Pass" in MUS 212 or equivalent.

2.0 hours lecture

Piano for non-music majors. Continuation of Music 212. Harmonization with different forms of accompaniment. Solo piano pieces and duet playing. (CSU/UC)

MUS-224**Classical Guitar III 2 UNITS**

Prerequisite: "C" grade or higher or "Pass" in MUS 125 or equivalent.

2.0 hours lecture

Continuation of Classical Guitar II. Advanced right and left-hand studies. Playing in upper positions. Sight reading and performance of advanced guitar solos. (CSU/UC)

MUS-226**Class Guitar III 2 UNITS**

Prerequisite: "C" grade or higher or "Pass" in MUS 127 or equivalent.

2.0 hours lecture

Continuation of Music 127. Introduction of chord and scale alterations. Theory of how chords and scales are used in contemporary music. (CSU/UC)

MUS-232**Class Piano III 3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in MUS 133 or equivalent.

3.0 hours lecture

Continuation of Music 133. Multiple octave performance of major and minor scales. Authentic and plagal cadences. Reading of four-part chorales. Ensemble playing and accompaniment. Intermediate piano pieces in ternary form. (C-ID MUS 180) (CSU/UC)

MUS-233			
Class Piano IV	3 UNITS		
Prerequisite: "C" grade or higher or "Pass" in MUS 232 or equivalent.			
3.0 hours lecture			
Continuation of Music 232. Keyboard harmony and deceptive cadence. Reading an open score. Ensemble playing and accompaniment. Piano literature from the 18th through the 20th centuries. (CSU/UC)			
MUS-238			
Grossmont Master Chorale	1 UNITS		
Prerequisite: Audition.			
3.0 hours laboratory			
An activity based course that studies representative choral compositions in a wide variety of styles at regular rehearsals and public performances. Musical literature differs each semester to allow the student to meet course objectives through weekly/semesterly repetition in rehearsals and in-class performances. (C-ID MUS 180) (CSU/UC)			
MUS-239			
Grossmont Master Chorale	1 UNITS		
Prerequisite: Audition.			
3.0 hours laboratory			
An activity based course that studies representative choral compositions in a wide variety of styles at regular rehearsals and public performances. Musical literature differs each semester to allow the student to meet course objectives through weekly/semesterly repetition in rehearsals and in-class performances. (C-ID MUS 180) (CSU/UC)			
MUS-240			
String Orchestra	1 UNITS		
Prerequisite: Audition			
3.0 hours laboratory			
An activity-based course that studies representative string orchestra compositions in a wide variety of styles at regular rehearsals and public performances. Musical literature differs each semester to allow the student to meet course objectives through weekly/semesterly repetition in rehearsals and in-class performances.			
MUS-241			
String Orchestra	1 UNITS		
Prerequisite: Audition			
3.0 hours laboratory			
An activity-based course that studies representative string orchestra compositions in a wide variety of styles at regular rehearsals and public performances. Musical literature differs each semester to allow the student to meet course objectives through weekly/semesterly repetition in rehearsals and in-class performances.			
MUS-242			
Middle Eastern Ensemble	1 UNITS		
Prerequisite: Audition			
3.0 hours laboratory			
An activity based course that studies music from regions of the Middle East and related areas through regular rehearsals and public performances. Emphasis will be placed on development of skills needed to perform in a large ensemble. Musical literature differs each semester to allow the student to meet course objectives through weekly/semesterly repetition in rehearsals and in-class performances.			
MUS-243			
Middle Eastern Ensemble	1 UNITS		
Prerequisite: Audition			
3.0 hours laboratory			
An activity based course that studies music from regions of the Middle East and related areas through regular rehearsals and public performances. Emphasis will be placed on development of skills needed to perform in a large ensemble. Musical literature differs each semester to allow the student to meet course objectives through weekly/semesterly repetition in rehearsals and in-class performances.			
MUS-248			
Classical Guitar Ensemble	1 UNITS		
Prerequisite: Audition.			
3.0 hours laboratory			
An activity based course that studies representative guitar compositions in a wide variety of styles at regular rehearsals and public performances. Musical literature differs each semester to allow the student to meet course objectives through weekly/semesterly repetition in rehearsals and in-class performances. (CSU/UC)			
MUS-249			
Classical Guitar Ensemble	1 UNITS		
Prerequisite: Audition.			
3.0 hours laboratory			
An activity based course that studies representative guitar compositions in a wide variety of styles at regular rehearsals and public performances. Musical literature differs each semester to allow the student to meet course objectives through weekly/semesterly repetition in rehearsals and in-class performances. (CSU/UC)			
MUS-250			
Grossmont Symphony Orchestra	1 UNITS		
Prerequisite: Audition.			
3.0 hours laboratory			
An activity based course that studies representative orchestral compositions in a wide variety of styles at regular rehearsals and public performances. Musical literature differs each semester to allow the student to meet course objectives through weekly/semesterly repetition in rehearsals and in-class performances. (C-ID MUS 180) (CSU/UC)			
MUS-251			
Grossmont Symphony Orchestra	1 UNITS		
Prerequisite: Audition.			
3.0 hours laboratory			
An activity based course that studies representative orchestral compositions in a wide variety of styles at regular rehearsals and public performances. Musical literature differs each semester to allow the student to meet course objectives through weekly/semesterly repetition in rehearsals and in-class performances. (C-ID MUS 180) (CSU/UC)			
MUS-252			
Concert Band	1 UNITS		
Prerequisite: Audition			
3.0 hours laboratory			
An activity based course that studies representative concert band ensemble compositions in a wide variety of styles at regular rehearsals and public performances. Musical literature differs each semester to allow the student to meet course objectives through weekly/semesterly repetition in rehearsals and in-class performances. (C-ID MUS 180) (CSU/UC)			

MUS-253**Concert Band****1 UNITS**

Prerequisite: Audition

3.0 hours laboratory

An activity based course that studies representative concert band ensemble compositions in a wide variety of styles at regular rehearsals and public performances. Musical literature differs each semester to allow the student to meet course objectives through weekly/semesterly repetition in rehearsals and in-class performances. (C-ID MUS 180) (CSU/UC)

MUS-254**Afro-Cuban Ensemble****1 UNITS**

Prerequisite: Audition.

3.0 hours laboratory

An activity based course that studies representative Afro-Cuban compositions in a wide variety of styles at regular rehearsals and public performances. Though the musical literature differs each semester, the students meet course objectives through weekly/semesterly repetition in rehearsals and in-class performances. (C-ID MUS 180) (CSU/UC)

MUS-255**Afro-Cuban Ensemble****1 UNITS**

Prerequisite: Audition.

3.0 hours laboratory

An activity based course that studies representative Afro-Cuban compositions in a wide variety of styles at regular rehearsals and public performances. Though the musical literature differs each semester, the students meet course objectives through weekly/semesterly repetition in rehearsals and in-class performances. (C-ID MUS 180) (CSU/UC)

MUS-256**Jazz Ensemble****1 UNITS**

Prerequisite: Audition

3.0 hours laboratory

An activity based course that studies representative compositions for vocal jazz ensemble in a wide variety of styles at regular rehearsals and public performances. Though the musical literature differs each semester the student meets course objectives through weekly/semesterly repetition in rehearsals and in-class performances. (C-ID MUS 180) (CSU/UC)

MUS-257**Jazz Ensemble****1 UNITS**

Prerequisite: Audition

3.0 hours laboratory

An activity based course that studies representative compositions for vocal jazz ensemble in a wide variety of styles at regular rehearsals and public performances. Though the musical literature differs each semester the student meets course objectives through weekly/semesterly repetition in rehearsals and in-class performances. (C-ID MUS 180) (CSU/UC)

MUS-264**Musical Theatre Orchestra****1 UNITS**

Prerequisite: Audition.

3.0 hours laboratory

A course emphasizing the performance of a variety of orchestral music ranging from Broadway musicals, semi-classical, classical, contemporary music and orchestral jazz standards. (CSU/UC)

MUS-265**Musical Theatre Orchestra****1 UNITS**

Prerequisite: Audition.

3.0 hours laboratory

A course emphasizing the performance of a variety of orchestral music ranging from Broadway musicals, semi-classical, classical, contemporary music and orchestral jazz standards. (CSU/UC)

MUS-266**Jazz Vocal Ensemble****1 UNITS**

Prerequisite: Audition.

3.0 hours laboratory

An activity based course that studies representative compositions for vocal jazz ensemble in a wide variety of styles at regular rehearsals and public performances. Though the musical literature differs each semester the student meets course objectives through weekly/semesterly repetition in rehearsals and in-class performances. (C-ID MUS 180) (CSU/UC)

MUS-267**Jazz Vocal Ensemble****1 UNITS**

Prerequisite: Audition.

3.0 hours laboratory

An activity based course that studies representative compositions for vocal jazz ensemble in a wide variety of styles at regular rehearsals and public performances. Though the musical literature differs each semester the student meets course objectives through weekly/semesterly repetition in rehearsals and in-class performances. (C-ID MUS 180) (CSU/UC)

MUS-268**Jazz Combo Performance III****3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in MUS 169 or equivalent.

3.0 hours lecture

An intermediate/advanced course designed to increase students' expertise with the techniques and musical styles necessary for performing in a jazz combo. The roles played by each instrument will be explored and examined in detail. These techniques will then be employed by the students in performing assigned music together. (CSU/UC)

MUS-269**Jazz Combo Performance IV****3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in MUS 268 or equivalent.

3.0 hours lecture

An advanced course designed to enhance the students' expertise with the techniques and musical styles necessary for performing in a jazz combo. The roles played by each instrument will be explored and examined in detail. These techniques will then be employed by the students in performing assigned music together. (CSU/UC)

MUS-270**Class Voice****2 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in MUS 001 or ability to read music.

2.0 hours lecture

A course designed to help the student learn to use the voice correctly. Principles of vocal placement, posture, balance, breath control and vocal tone emphasized through individual performances. (CSU/UC)

MUS-271**Class Voice** **2 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in MUS 001 or ability to read music.

2.0 hours lecture

A course designed to help the student learn to use the voice correctly.

Principles of vocal placement, posture, balance, breath control and vocal tone emphasized through individual performances. (CSU/UC)

MUS-290**Performance Studies** **0.5 UNITS**

Prerequisite: Audition.

1.5 hours laboratory

Primarily for music majors, this course is designed to enhance the musical progress of students who are currently receiving the equivalent of fifteen one-half hour lessons per semester of individual vocal or instrumental instruction. In-depth study of performances and techniques. Participation in class performances and student recitals is required. (C-ID MUS 160) (CSU/UC)

MUS-291**Performance Studies** **0.5 UNITS**

Prerequisite: Audition.

1.5 hours laboratory

Primarily for music majors, this course is designed to enhance the musical progress of students who are currently receiving the equivalent of fifteen one-half hour lessons per semester of individual vocal or instrumental instruction. In-depth study of performances and techniques. Participation in class performances and student recitals is required. (C-ID MUS 160) (CSU/UC)

Nursing (NURS)

NURS-118

Nursing Pharmacology

2 UNITS

Prerequisite: Admission to the Registered Nursing Program.

Corequisite: NURS 120 or equivalent.

2.0 hours lecture

This course is designed to familiarize nursing students with the knowledge needed for safe administration of medications in the clinical setting. Students will be introduced to basic pharmacological concepts, including pharmacotherapeutics, pharmacodynamics, and pharmacokinetics. Special consideration for the nursing role in administering drugs from a variety of major drug classifications will be presented. As the students utilize the nursing process, emphasis will be placed on safety, critical thinking, pharmacologic principles related to aging, patient education and effective communication across the healthcare continuum. This is a required course for the Nursing Program. (CSU)

NURS-120

Fundamentals of Nursing

8 UNITS

Prerequisite: Admission to the Registered Nursing Program.

Corequisite: NURS 118 or equivalent.

3.5 hours lecture, 13.5 hours laboratory

Nursing 120 is the introductory nursing course. The focus is on the development of technical nursing skills and related theory as a basis for further nursing coursework. Nursing theory addresses assessment of persons and their environment in determining their state of health. The focus is on adult patients throughout the lifespan. Nursing care planning is introduced. Course content includes: the normal aging process, communication skills, physical assessment, and the nursing process. Scientific principles are used to support the nursing diagnosis. The nursing care of patients with disorders such as stroke, hypertension, heart failure, and COPD will be introduced. Concurrent clinical experience is in acute settings. This is a required course for the Nursing Program. (CSU)

NURS-130

Medical-Surgical Nursing I

5 UNITS

Prerequisite: Admission to the Registered Nursing Program.

3.0 hours lecture, 6.0 hours laboratory

This course focuses on the biological, psychological, social, cultural and spiritual changes patients and their families experience from diagnosis through treatment of acute and chronic medical conditions. This course builds on previous coursework, utilizing the nursing process, therapeutic communication and critical thinking in meeting the health care needs of adult individuals and families across the healthcare continuum. The focus is on adult patients throughout the lifespan. Emphasis is placed on genitourinary, orthopedic, neurologic, and gastrointestinal disorders requiring surgery. Concepts of evidence-based practice will be integrated throughout the course. Concurrent clinical experiences in acute care settings, the operating room and post-anesthesia care units are designed to reinforce concepts learned and practiced during the course. This is a required course for the Nursing Program. (CSU)

NURS-132

Obstetric and Pediatric Nursing

5 UNITS

Prerequisite: "C" grade or higher in NURS 120 or equivalent.

3.0 hours lecture, 6.0 hours laboratory

Building on the knowledge and skills of Nursing 120, the student learns about nursing care of the obstetric and pediatric patient populations. Obstetric nursing addresses the physiologic and psychosocial changes women and their families experience during pre-conception, pregnancy, birth, and postpartum, as well as the impact of the childbearing cycle on the family, population health, and outcomes. Pediatric nursing addresses the nursing management of children with alternations in health, many of which result in chronic illnesses. Environmental factors such as physical, psychological, social, spiritual and cultural elements are discussed in the way they impact the pediatric and obstetric patients and their families. Refinement of critical thinking skills, clinical decision-making, and a focus on growth and development are emphasized. Concurrent clinical experience is in acute and ambulatory care settings. This is a required course for the Nursing Program. (CSU)

NURS-155

Clinical Reasoning Skills for First Semester Nursing Students

1.5 UNITS

Corequisite: NURS 120 or equivalent.

4.5 hours laboratory

This course is designed so that first semester nursing students may practice fundamental clinical nursing techniques and clinical reasoning skills under the direct supervision of a nursing faculty member. Experiences may involve practice with clinical reasoning skills required on the National Council Licensure Examination, and participation in patient simulations with the option of low or high-fidelity simulation. This course is offered on a Pass/No Pass basis only. This is an elective course in the Nursing Program. (CSU) For further information, contact the Nursing Department Office at (619)644-7300.

NURS-156

Clinical Reasoning Skills for Second Semester Nursing Students

1.5 UNITS

Corequisite: NURS 130 or 132 or equivalent.

4.5 hours laboratory

This course is designed so that second semester nursing students may practice medical/surgical, pediatric, and maternal/newborn clinical nursing techniques and clinical reasoning skills under the direct supervision of a nursing faculty member. Experiences may involve practice with clinical reasoning skills required on the National Council Licensure Examination, and participation in patient simulations with the option of low or high-fidelity simulation. This course is offered on a Pass/No Pass basis only. This is an elective course in the Nursing Program. (CSU) For further information, contact the Nursing Department Office at (619)644-7300.

NURS-220**Medical-Surgical Nursing II****5.5 UNITS**

Prerequisite: "C" grade or higher in NURS 130 and 132 or equivalent.

3.0 hours lecture, 7.5 hours laboratory

This course addresses patient focused nursing care of individuals with alterations in body organ systems to include endocrine, neurologic, renal, hepatobiliary, and immune diseases or disorders. The care of patients with cancer will also be addressed. The focus is on adult patients throughout the lifespan. The nurse considers the unique characteristics and abilities of the person, including the impact of the environment on the state of health and illness in the context of acute and chronic disorders, with a focus on the effects of aging on organ function. Concurrent clinical experience is in acute settings. This is a required course for the Nursing Program. (CSU)

NURS-222**Psychiatric and Community Health Nursing****5.5 UNITS**

Prerequisite: "C" grade or higher in NURS 130 and 132 or equivalent.

3.0 hours lecture, 7.5 hours laboratory

This course focuses on the nursing management of patients who have psychosocial and behavioral disorders. This course will also explore the role of the nurse caring for individuals, families, communities, and populations, with an emphasis on designing, implementing, and evaluating population-based interventions to promote health. Emphasis is placed on health promotion and prevention of population-based health problems. Consideration is given to populations experiencing chronic health problems being cared for in the home and community. The focus is on nursing considerations regarding environmental factors such as physical, psychological, social, spiritual, and cultural elements and the way they impact hospitalized patients as well as those in outpatient and community settings throughout the lifespan. Concurrent clinical experiences are in acute, outpatient, and community settings, including day treatment centers. This is a required course for the Nursing Program. (CSU)

NURS-230**Medical-Surgical Nursing III****8 UNITS**

Prerequisite: "C" grade or higher in NURS 220 and 222 or equivalent.

3.5 hours lecture, 14.0 hours laboratory

This course focuses on the nursing theory and nursing management of adult patients across the lifespan with multi system alterations in health which are more complex than those studied previously. There is an emphasis on diseases and disorders in the cardiac, pulmonary, vascular, and neurologic systems. There is a strong emphasis on the application of critical thinking and clinical decision-making in high acuity settings. The course also offers a campus laboratory designed to teach the students technical skills necessary to manage high acuity patients. Advanced airway management, ventilator management, hemodynamic monitoring, ECG interpretation, advanced neuro assessment, and other complex skills are presented. Concurrent clinical experience is in acute care and critical care settings. Concepts related to current issues in nursing as well as those related to the role transition from student to new graduate will also be integrated throughout the course. This is a required course for the Nursing Program. (CSU)

NURS-251A**Work-Study Externship****1 UNITS**

Prerequisite: "C" grade or higher in NURS 130 or equivalent and approval by the Nursing faculty.

A work-study course authorized by the California Board of Registered Nursing in which a Grossmont College nursing student is employed by or volunteers at a clinical site with clinical facilities that have an established affiliation agreement with the Nursing Program. The clinical site supports the objectives of the course and provides supervision through RN mentors and preceptors. The student applies previously acquired nursing theory and clinical skills in the management of patient care. The college instructor and practice site mentors meet periodically to evaluate progress towards meeting objectives. This course is offered on a Pass/No Pass basis only and may be repeated three times. This is an elective course in the Nursing Program. Off Campus: Hospital (See instructor for hospital location). 5 hours work experience per week, 60 volunteer hours or 75 paid hours.

NURS-251B**Work-Study Externship****1 UNITS**

Prerequisite: "C" grade or higher in NURS 130 or equivalent and approval by the Nursing faculty.

A work-study course authorized by the California Board of Registered Nursing in which a Grossmont College nursing student is employed by or volunteers at a clinical site with clinical facilities that have an established affiliation agreement with the Nursing Program. The clinical site supports the objectives of the course and provides supervision through RN mentors and preceptors. The student applies previously acquired nursing theory and clinical skills in the management of patient care. The college instructor and practice site mentors meet periodically to evaluate progress towards meeting objectives. This course is offered on a Pass/No Pass basis only and may be repeated three times. This is an elective course in the Nursing Program. Off Campus: Hospital (See instructor for hospital location). 5 hours work experience per week, 60 volunteer hours or 75 paid hours.

NURS-251C**Work-Study Externship****1 UNITS**

Prerequisite: "C" grade or higher in NURS 130 or equivalent and approval by the nursing faculty.

A work-study course authorized by the California Board of Registered Nursing in which a Grossmont College nursing student is employed by or volunteers at a clinical site with clinical facilities that have an established affiliation agreement with the Nursing Program. The clinical site supports the objectives of the course and provides supervision through RN mentors and preceptors. The student applies previously acquired nursing theory and clinical skills in the management of patient care. The college instructor and practice site mentors meet periodically to evaluate progress towards meeting objectives. This course is offered on a Pass/No Pass basis only and may be repeated three times. This is an elective course in the Nursing Program. Off Campus: Hospital (See instructor for hospital location). 5 hours work experience per week, 60 volunteer hours or 75 paid hours.

NURS-252A**Work-Study Externship 2 UNITS**

Prerequisite: "C" grade or higher in NURS 130 or equivalent and approval by the nursing faculty.

A work-study course authorized by the California Board of Registered Nursing in which a Grossmont College nursing student is employed by or volunteers at a clinical site with clinical facilities that have an established affiliation agreement with the Nursing Program. The clinical site supports the objectives of the course and provides supervision through RN mentors and preceptors. The student applies previously acquired nursing theory and clinical skills in the management of patient care. The college instructor and practice site mentors meet periodically to evaluate progress towards meeting objectives. This course is offered on a Pass/No Pass basis only and may be taken three times. This is an elective course in the Nursing Program. (CSU) 10 hours work experience per week, 120 volunteer hours or 150 paid hours. Nursing students may not enroll in this class without a faculty sponsor. Contact the instructor listed for an add code, or for more information contact the Nursing Department Office at (619)644-7300. Off Campus: Hospital (See instructor for hospital location).

NURS-252B**Work-Study Externship 2 UNITS**

Prerequisite: "C" grade or higher in NURS 130 or equivalent and approval by the nursing faculty.

A work-study course authorized by the California Board of Registered Nursing in which a Grossmont College nursing student is employed by or volunteers at a clinical site with clinical facilities that have an established affiliation agreement with the Nursing Program. The clinical site supports the objectives of the course and provides supervision through RN mentors and preceptors. The student applies previously acquired nursing theory and clinical skills in the management of patient care. The college instructor and practice site mentors meet periodically to evaluate progress towards meeting objectives. This course is offered on a Pass/No Pass basis only and may be taken three times. This is an elective course in the Nursing Program. (CSU) 10 hours work experience per week, 120 volunteer hours or 150 paid hours. Nursing students may not enroll in this class without a faculty sponsor. Contact the instructor listed for an add code, or for more information contact the Nursing Department Office at (619)644-7300. Off Campus: Hospital (See instructor for hospital location).

NURS-252C**Work-Study Externship 2 UNITS**

Prerequisite: "C" grade or higher in NURS 130 or equivalent and approval by the nursing faculty.

A work-study course authorized by the California Board of Registered Nursing in which a Grossmont College nursing student is employed by or volunteers at a clinical site with clinical facilities that have an established affiliation agreement with the Nursing Program. The clinical site supports the objectives of the course and provides supervision through RN mentors and preceptors. The student applies previously acquired nursing theory and clinical skills in the management of patient care. The college instructor and practice site mentors meet periodically to evaluate progress towards meeting objectives. This course is offered on a Pass/No Pass basis only and may be taken three times. This is an elective course in the Nursing Program. (CSU) 10 hours work experience per week, 120 volunteer hours or 150 paid hours. Nursing students may not enroll in this class without a faculty sponsor. Contact the instructor listed for an add code, or for more information contact the Nursing Department Office at (619)644-7300. Off Campus: Hospital (See instructor for hospital location).

NURS-253A**Work-Study Externship 3 UNITS**

Prerequisite: "C" grade or higher in NURS 130 or equivalent and approval by the nursing faculty.

A work-study course authorized by the California Board of Registered Nursing in which a Grossmont College nursing student is employed by or volunteers at a clinical site with clinical facilities that have an established affiliation agreement with the Nursing Program. The clinical site supports the objectives of the course and provides supervision through RN mentors and preceptors. The student applies previously acquired nursing theory and clinical skills in the management of patient care. The college instructor and practice site mentors meet periodically to evaluate progress towards meeting objectives. This course is offered on a Pass/No Pass basis only and may be taken three times. This is an elective course in the Nursing Program. (CSU) 15 hours work experience per week, 180 volunteer hours or 225 paid hours. Nursing students may not enroll in this class without a faculty sponsor. Contact the instructor listed for an add code, or for more information contact the Nursing Department Office at (619)644-7300. Off Campus: Hospital (See instructor for hospital location).

NURS-253B**Work-Study Externship 3 UNITS**

Prerequisite: "C" grade or higher in NURS 130 or equivalent and approval by the nursing faculty.

A work-study course authorized by the California Board of Registered Nursing in which a Grossmont College nursing student is employed by or volunteers at a clinical site with clinical facilities that have an established affiliation agreement with the Nursing Program. The clinical site supports the objectives of the course and provides supervision through RN mentors and preceptors. The student applies previously acquired nursing theory and clinical skills in the management of patient care. The college instructor and practice site mentors meet periodically to evaluate progress towards meeting objectives. This course is offered on a Pass/No Pass basis only and may be taken three times. This is an elective course in the Nursing Program. (CSU) 15 hours work experience per week, 180 volunteer hours or 225 paid hours. Nursing students may not enroll in this class without a faculty sponsor. Contact the instructor listed for an add code, or for more information contact the Nursing Department Office at (619)644-7300. Off Campus: Hospital (See instructor for hospital location).

NURS-253C**Work-Study Externship 3 UNITS**

Prerequisite: "C" grade or higher in NURS 130 or equivalent and approval by the nursing faculty.

A work-study course authorized by the California Board of Registered Nursing in which a Grossmont College nursing student is employed by or volunteers at a clinical site with clinical facilities that have an established affiliation agreement with the Nursing Program. The clinical site supports the objectives of the course and provides supervision through RN mentors and preceptors. The student applies previously acquired nursing theory and clinical skills in the management of patient care. The college instructor and practice site mentors meet periodically to evaluate progress towards meeting objectives. This course is offered on a Pass/No Pass basis only and may be taken three times. This is an elective course in the Nursing Program. (CSU) 15 hours work experience per week, 180 volunteer hours or 225 paid hours. Nursing students may not enroll in this class without a faculty sponsor. Contact the instructor listed for an add code, or for more information contact the Nursing Department Office at (619)644-7300. Off Campus: Hospital (See instructor for hospital location).

NURS-255**Clinical Reasoning Skills for Third Semester Nursing****Students****1.5 UNITS**

Corequisite: NURS 220 or NURS 222 or equivalent.

4.5 hours laboratory

This course is designed so that third semester nursing students may practice advanced medical/surgical and mental health clinical nursing techniques and clinical reasoning skills under the direction of a nursing faculty member. Experiences may involve practice with clinical reasoning skills required on the National Council Licensure Examination and participation in patient simulations with the option of low or high fidelity simulation. This course is offered on a Pass/No Pass basis only. This course is an elective course in the Nursing Program. (CSU) For further information contact the Nursing Department Office at (619)644-7300.

NURS-256**Clinical Reasoning Skills for Fourth Semester Nursing****Students****1.5 UNITS**

Corequisite: NURS 230 or equivalent.

4.5 hours laboratory

This course is designed so that fourth semester nursing students may practice advanced medical/surgical nursing techniques and clinical reasoning skills under the direct supervision of a nursing faculty member. Experiences may involve practice with clinical reasoning skills required on the National Council Licensure Examination, and participation in patient simulations with the option of low or high-fidelity simulation. High fidelity simulation may be used as a means of providing students with scenarios involving critical, life-threatening patient scenarios they might not ordinarily encounter in the clinical setting. This course is offered on a Pass/No Pass basis only. This is an elective course in the Nursing Program. (CSU) For further information contact the Nursing Department Office at (619)644-7300.

Nutrition (NUTR)

NUTR-155

Introduction to Nutrition

3 UNITS

3.0 hours lecture

This course is an introduction of the fundamentals of nutrition as it relates to personal health and wellbeing. Current nutrition information (and misinformation) will be discussed to determine optimal dietary choices. Students will analyze their personal diets using evidence-based dietary goals and guidelines. Other topics include weight maintenance techniques, eating disorders, food labeling, food safety and special needs at various stages in the life cycle. The information covered will be practical and relevant to assist students in achieving a healthy, balanced relationship with food. (CSU/UC) (AA/AS-D, CSU-E)

NUTR-158

Nutrition for Fitness and Sports

3 UNITS

3.0 hours lecture

Students will investigate the effects of nutrition and various dietary regimens on athletic performance, physical fitness, and general health. Students will compare the physiological effects of optimal nutrition vs. inadequate nutrition for the general population as well as athletes. Cultural, sociological, and psychological influences on diet, nutrition and athletic performance will be examined thoroughly. Current "fad" and supposed performance-enhancing diets and supplements will be discussed. (CSU) (AA/AS-D, CSU-E)

NUTR-159

Cultural Aspects of Food and Nutrition

3 UNITS

3.0 hours lecture

This course explores the regional, ethnic, cultural, religious, historical, geographical, and social influences on food patterns, cuisines, and health, as well as how food is viewed as an expression of cultural identity and diversity. An overview of nutrition-related health disparities and inequities within racial and ethnic groups is discussed and assessed. Also examined are traditional foods, food availability, and global food issues. Connections are drawn between major historical events and how and why these events affected and defined the culinary traditions of different societies. Issues of diversity, equity and inclusion within the nutrition and dietetics profession are also discussed. (CSU/UC) (AA/AS-D, CSU-E)

NUTR-200

Foods and Nutrition: Overview and Opportunities

1 UNITS

1.0 hours lecture

This course will provide students with an overview of career opportunities in the foods, nutrition, and dietetics. Students will be guided through the professional and academic pathways that will prepare them to join the field as registered dietitian nutritionists (RDNs), nutrition and dietetic technicians, registered (NDTRs), certified dietary manager (CDM), as well as other opportunities in the field. Students will also learn about trends in the nutrition and dietetics field, ethics for nutrition professionals, and issues related professional practice.

NUTR-205

The Scientific Principles of Food Preparation

4 UNITS

Prerequisite: "C" grade or higher or "Pass" in CHEM 116 or equivalent.

3.0 hours lecture, 3.0 hours laboratory

This course explores the science of food with an emphasis on the chemical compounds, chemical reactions and physical changes that occur during food preparation. The course will examine the function and interaction of ingredients, food safety and sanitation standards, and the effects of preparation methods on the nutrient composition and palatability of foods. The course includes hands-on experience in sensory evaluation techniques and standards, as well as a variety of food preparation techniques. (CSU)

NUTR-255

Science of Nutrition

3 UNITS

Prerequisite: "C" grade or higher or "Pass" in BIO 120 and CHEM 115 or CHEM 120 or equivalent.

3.0 hours lecture

This course will establish the relationship between foods and science through the study and integration of chemistry, biology and nutrition science. Understanding of the metabolism, functions and sources of nutrients will be covered in detail to correlate the role they have in promotion of health and disease prevention. Discussion of the challenges that occur during the human lifecycle and how nutrient needs change will be covered. This course includes evaluation from a scientific perspective of current concepts, controversies, and dietary recommendations. Nutritional issues as they relate to weight maintenance, eating disorders, food labeling, food safety and special needs at various stages in the lifestyle will be thoroughly examined. (CSU/UC) (CSU-E)

Occupational Therapy Assistant (OTA)

OTA-100

Fundamentals of Occupational Therapy 2 UNITS

Prerequisite: Admission to Occupational Therapy Assistant Program.

Corequisite: OTA 101 and 110 and 111

2.0 hours lecture

The philosophical base, definition and history of occupational therapy are examined. Through an historical approach, frames of reference and models of practice within the profession are reviewed. Occupation as a health determinant is emphasized. The meaning of professionalism is examined. A broad range of practice areas is investigated. Various systems and service models are described. Ethics of the profession and standards of practice are examined and applied to practice situations. Legislation and legal issues affecting the profession are reviewed. (CSU)

OTA-101

Fundamentals of Activity/Therapeutic Media 2 UNITS

Corequisite: OTA 100 and 110 and 111.

1.0 hours lecture, 3.0 hours laboratory

Through experiential learning, students will explore and develop skills in performing processes required in minor crafts, gross motor activities, games and simple work tasks. The focus of OT in daily life activities is reviewed. Emphasis is on activity analysis and adaptation from the perspective of work and play/leisure tasks throughout the life span, and addresses physical, psychosocial and cognitive needs. Safety in the use of therapeutic activities is emphasized. Students will learn to teach techniques in applying therapeutic media to a group. (CSU)

OTA-102

Rehabilitation Terminology, Diseases and Diagnoses 2 UNITS

Prerequisite: Admission to Occupational Therapy Assistant Program.

2.0 hours lecture

A comprehensive course that is designed to offer students proficiency in the use of terminology utilized in a variety of rehabilitation settings. Basic medical terminology will be incorporated including prefixes, roots and suffixes. This course will include an in-depth study of common diseases and diagnoses found in rehabilitation. Occupational therapy databases, sites and resources will be explored via the internet. (CSU)

OTA-110

Occupational Skills-Psychosocial 4 UNITS

Corequisite: OTA 100 and 101 and 111.

4.0 hours lecture

Interpersonal communication is explored and practiced on many different levels including: didactic communication, group process, teamwork, supervision, and collaboration. Occupational Therapy models of practice in psychiatry and psychiatric conditions and treatment approaches are examined. Techniques for intervention are observed and practiced such as: interviewing, clinical observation, documentation, and communication. Group tasks, roles, stages, and processes are examined. (CSU)

OTA-111

Experiential/Simulation I 1 UNITS

Corequisite: OTA 100 and 101 and 110.

3.0 hours laboratory

Experiential/Simulation I is designed to acquaint the student with the day to day activities in the clinical setting for individuals with psychosocial issues that interfere with occupations and roles and enable them to select within the broad arena of Occupational Therapy. This experience enables students to apply academic knowledge to practice and develop an understanding of the needs of clients, setting and staff. (CSU)

OTA-120

Documentation in Occupational Therapy 3 UNITS

Prerequisite: "C" grade or higher in OTA 100 and 101 and 110.

Corequisite: OTA 130 and 140 and 141.

3.0 hours lecture

Record keeping for accountability and reimbursement is examined. Emphasis is placed on learning the structure and function of daily note writing. Patient/client evaluation techniques including data gathering, reassessment, treatment recommendations, and treatment termination are presented. Students learn to write behavioral objectives and assist the OT with goal writing. Techniques of quality assurance are introduced. Insurance systems and various methods for documentation are explored. The ethics of documentation are examined. Medical terminology is emphasized. Students will practice documentation for different practice settings (e.g. psychiatry, physical dysfunction). (CSU)

OTA-130

Dynamics of Human Movement 4 UNITS

Prerequisite: "C" grade or higher in OTA 100 and 101 and 110.

Corequisite: OTA 120 and 140 and 141.

3.0 hours lecture, 3.0 hours laboratory

The structure and organization of the human body are examined and analyzed in relation to functional movements required for work, play and self-care activities. Occupational therapy theory for treating the physically disabled is reviewed with special attention to neurological and musculoskeletal systems. Physical conditions typically seen by the occupational therapist are defined and examined. Functional manual muscle testing, goniometry, and sensory perception testing are learned and practiced. Principles of kinesiology are presented in relation to functional mobility, body mechanics, energy conservation and joint protection. (CSU)

OTA-140

Occupational Skills Development in Pediatric Roles 3 UNITS

Prerequisite: "C" grade or higher in OTA 100 and 101 and 110.

Corequisite: OTA 120 and 130 and 141.

2.0 hours lecture, 3.0 hours laboratory

Current knowledge related to the causes, course, and prognosis of problems that occur from birth through adolescence will be examined. The principles and theories underlying learning and the developmental process will be reviewed. The OTA's use of play in the development of self-discovery, decision-making, work role skills will be discussed. The role of the OTA in prevention and rehabilitation programs within different types of service facilities will be explored. The role of families, care givers, teachers, and significant others in the treatment process will be discussed. Assessment, program planning, and treatment will be defined and performance skills necessary for successful occupational behaviors will be presented. (CSU)

OTA-141**Experiential/Simulation II****1 UNITS**

Corequisite: OTA 120 and 130 and 140.

3.0 hours laboratory

A laboratory experience that includes observing and identifying normal and abnormal developmental behaviors in the pediatric population.

This course builds on previous introduction practicum experience and is designed to reinforce and augment understanding of principles and techniques for observing, assessing, planning and implementing occupational therapy treatment sessions with pediatric clients. (CSU)

OTA-200**Introduction to Occupational Therapy Skills in Physical Rehabilitation****3 UNITS**

Prerequisite: "C" grade or higher in OTA 101.

3.0 hours lecture

The normal occupational performance in development of adult and geriatric roles is explored. The physical, socioeconomic, environmental factors, lifestyle choices, and physical factors that influence adult and geriatric occupational performance in their roles. Exploration of the recovery process, from acute care to rehabilitation for physical and psychosocial conditions, is reviewed. The role of the occupational therapy assistant in prevention and rehabilitation programs is defined. Involvement in assessment, intervention, and therapeutic activities that facilitate age appropriate occupational behaviors is practiced.

The discharge process and collaboration with other professionals and community agencies is included as part of the treatment continuum. (CSU)

OTA-210**Assistive Technology in Occupational Therapy****3 UNITS**

Prerequisite: "C" grade or higher in OTA 200.

Corequisite: OTA 220 and 221 and 230.

2.0 hours lecture, 3.0 hours laboratory

The knowledge and application of assistive devices are fundamental in the practice of occupational therapy across diagnostic categories and age groups. This course presents an introduction to a broad range of equipment from "low-technology" to complex "high-technology" devices involving micro-electronics. Topics include: adapted equipment for activities of daily living, home modifications, personal mobility and adapted driving, computer accessibility, communication aides. The environments in which assistive technologies are used will be explored including home, school, work, play and recreation. (CSU)

OTA-220**Advanced Occupational Therapy Skills for Physical Dysfunction****3 UNITS**

Prerequisite: "C" grade or higher in OTA 200.

Corequisite: OTA 210 and 221 and 230.

1.0 hours lecture, 6.0 hours laboratory

This course focuses on treatment techniques and adaptations to assist individuals with physical dysfunction in various settings and the role of the occupational therapy assistant. The course builds on the theory, foundation and skills learned in OTA 200 with laboratory activities that allow students to apply screening, assessment, analysis, intervention, implementation, documentation, discharge planning and outcome activities. (CSU)

OTA-221**Experiential/Simulation III****1 UNITS**

Corequisite: OTA 210 and 220 and 230.

3.0 hours laboratory

A laboratory course providing a continuation of experiential/simulation learning with a focus on treatment planning, safety precautions, contraindications and documentation in OTA Program affiliated adult and geriatric rehabilitation settings. (CSU)

OTA-230**Occupational Therapy Management****2 UNITS**

Prerequisite: "C" grade or higher in OTA 200.

Corequisite: OTA 210 and 220 and 221.

2.0 hours lecture

Occupational Therapy Management explores the operations of an occupational therapy department. This course presents an introduction to basic management issues including: clerical, organizational, fiscal and supervisory components. Topics relate to traditional and nontraditional settings where occupational therapy assistants may be employed. Legal and ethical issues are explored. Quality assurance, research and continuing education to support continued professional growth are emphasized. Techniques for developing a resume, participating in an interview and requirements to practice are discussed and practiced. Practice opportunities in community based programs will be explored. (CSU)

OTA-235**OTA Review****3 UNITS**

3.0 hours lecture

This course is designed for occupational therapy assistants and/or recent graduates of occupational therapy assistant programs who intend to sit for the National Board for Certification in Occupational Therapy (NBCOT) certification examination. This course will include a review of kinesiology concepts and measurements, theories and frames of reference, the practice framework, code of ethics issues, clinical case studies and treatment interventions, modalities, splinting, management issues and practice areas. (CSU)

OTA-240**Clinical Practicum IV****6 UNITS**

Prerequisite: "C" grade or higher in OTA 140 and 230.

18.0 hours laboratory

This experience involves a ten week assignment for 40 hours per week of clinical experience under the direct supervision of a registered occupational therapist or a certified occupational therapy assistant. The student will assist in all phases of practice including observation, evaluation, treatment and documentation. This course must be successfully completed in order to continue on with Occupational Therapy Assistant 241, Clinical Practicum V. This course is offered on a Pass/No Pass basis only. (CSU)

OTA-241**Clinical Practicum V****6 UNITS**

Prerequisite: "C" grade or higher in OTA 230.

18.0 hours laboratory

This experience involves a ten-week assignment with each week being a full time work week of clinical experience under the direct supervision of a registered occupational therapist or a certified occupational therapy assistant. The student will assist in all phases of practice including observation, evaluation, treatment and documentation. Successful completion of this course is necessary for the student to be eligible to sit for the national certification examination. This course is offered on a Pass/No Pass basis only. (CSU)

Oceanography (OCEA)

OCEA-112

Introduction to Oceanography

3 UNITS

3.0 hours lecture

A physical science course which examines major aspects of the marine environment. Topics include origin of the oceans, plate tectonics, sea floor features, properties of sea water, ocean climate, currents, waves, tides, coastal landforms, marine ecology, pollution and resources. The development of the field of oceanography and the present and future importance of the oceans are also discussed. (CSU/UC) (AA/AS-B2, CSU-B1, IGETC-5A)

OCEA-113

Oceanography Laboratory

1 UNITS

Prerequisite: "C" grade or higher or "Pass" in OCEA 112 or equivalent or concurrent enrollment.

3.0 hours laboratory

Provides hands-on oceanographic experience to accompany and augment Oceanography 112. The course will include laboratory and field investigations of the marine environment, emphasizing the geological, chemical, physical, and biological aspects of the ocean. Lab activities may include, but are not limited to, field trips to obtain samples, analysis of data, and visits to oceanographic facilities (such as research institutions and aquariums). (CSU/UC) (AA/AS-B2, CSU-B3, IGETC-5C)

OCEA-150

Field Study of the Natural History of the Greater San Diego Region

3 UNITS

Prerequisite: "C" grade or higher or "Pass" in BIO 110 or 120; or GEOG 120 or 121 or 140; or GEOL 110 or 111; or OCEA 112 or equivalent.

2.0 hours lecture, 3.0 hours laboratory

An exciting, team-taught, interdisciplinary, field-based study of the natural environment of the San Diego region, including related parts of Imperial, Riverside, and Orange Counties. Vans are utilized to visit sites that best illustrate (1) the region's physical environment (including tectonics, geologic history, geomorphology, hydrology, meteorology, climatology, and soils), (2) the evolutionary response to environmental variation (focusing on coastal sage scrub, chaparral, and desert ecosystems), and (3) the interaction of humans with the natural environment. Emphasis on field measurement includes use of GPS, compass, clinometer, maps, the current Jepson plant taxonomy, etc. Four weekends in spring semester only. Overnight campouts required. Students with credit in Oceanography 150 will not be able to enroll in Biology 150, Geography 150 or Geology 150. (CSU/UC)

Orthopedic Technology (OT)

OT-110

Orthopedic Anatomy and Physiology 5 UNITS

Prerequisite: Admission to the Orthopedic Technology Program.

Corequisite: Concurrent enrollment in OT 111 and OT 112.

5.0 hours lecture

A study of the development of the muscular-skeletal systems with the emphasis on gross anatomy of the bones, arterial and venous perfusion, and relevant nervous innervation as they relate to the treatment of orthopedic injuries. (CSU)

OT-111

Orthopedic Techniques I 4 UNITS

Prerequisite: Admission to the Orthopedic Technology Program

Corequisite: Concurrent enrollment in OT 110 and OT 112.

1.0 hours lecture, 9.0 hours laboratory

An introduction to cast room protocols, including instrumentation, the techniques for the application of the basic types of casts and the special considerations required for treatment of orthopedic trauma cases. The course will include the application of orthopedic casts in the campus laboratory setting and clinical setting. (CSU)

OT-112

Introduction to Clinical Practicum 3 UNITS

Prerequisite: Admission to the Orthopedic Technology Program

Corequisite: Concurrent enrollment in OT 110 and OT 111.

3.0 hours lecture

This course prepares the Orthopedic Technology student for the clinical setting with topics such as HIPAA, infection control, radiation safety, basic patient care, interpersonal communication, cultural diversity, ethics, professionalism in the healthcare environment, and expectations of the Orthopedic Technology student during clinical assignments in both the hospital and private practice setting. (CSU)

OT-210

Diagnosis and Treatment of Orthopedic Disorders I 5 UNITS

Prerequisite: "C" grade or higher in OT 110.

Corequisite: OT 211 and 212.

4.5 hours lecture, 1.5 hours laboratory

This course provides advanced instruction in the diagnosis and treatment of orthopedic disorders. Students will be provided techniques for the treatment of orthopedic injuries. This course also offers a campus laboratory designed to teach students advanced application of orthopedic devices for patients with acute and chronic injuries. (CSU)

OT-211

Orthopedic Techniques II 4 UNITS

Prerequisite: "C" grade or higher in OT 111.

Corequisite: OT 210 and 212.

1.0 hours lecture, 9.0 hours laboratory

This course is a continuation of Orthopedic Technology 111 with emphasis on advanced cast room protocols, instrumentation, orthopedic casting techniques and the assessment and treatment of casting complications. Emphasis will be on the application of advanced assessment and diagnosis of orthopedic injuries through the analysis of x-rays. Application of special casts, pediatric casts, full-body casts and various traction configurations and techniques. (CSU)

OT-212

Supervised Hospital Clinical Practicum I 3 UNITS

Prerequisite: "C" grade or higher in OT 112.

Corequisite: OT 210 and 211.

9.0 hours laboratory

This course is designed to provide clinical application of orthopedic technology in a hospital environment. Students participate in the normal day-to-day activities of an orthopedic service where they develop and refine their skills in the application of orthopedic casts, set up and application of traction devices and the pre and post operative care of the orthopedic patient. The student is required to demonstrate clinical orthopedic competencies as part of this course. (CSU)

OT-214

Supervised Hospital Clinical Practicum II 4 UNITS

Prerequisite: "C" grade or higher in OT 212.

Corequisite: OT 215

12.0 hours laboratory

This course is a continuation of Orthopedic Technology 212, Supervised Clinical Practicum I, and is designed to teach the clinical application of orthopedic techniques in the clinical environment. Students will apply casts, assist in the reduction of fractures, apply and maintain traction configurations and devices, apply total body casts, and assist the orthopedic surgeon in minor and major surgical procedures. Students will also participate in pre-and post-operative patient teaching. (CSU)

OT-215

Diagnosis and Treatment of Orthopedic Disorders II 3 UNITS

Prerequisite: A grade "C" or better in OT 210 and 211.

Corequisite: Concurrent enrollment in OT 214.

3.0 hours lecture

This course is a continuation of OT 211 with emphasis on advanced orthopedic conditions, disorders, and treatment of the spine, specialty casting and certification Board exam review and preparation. (CSU)

OT-220

Work Experience Externship 2 UNITS

Prerequisite: "C" grade or higher in OT 214 and OT 215 and approval of the OT faculty.

A work experience course in which a Grossmont College orthopedic student volunteers at a clinical site with which the Orthopedic Technology Program has established an affiliation agreement. The clinical site supports the objectives of the course and provides supervision through Orthopedic Technology mentors and preceptors. The student applies previously acquired orthopedic theory and clinical skills in the management of orthopedic patients. This course is offered on a Pass/No Pass basis only. (CSU) 120 volunteer or 150 paid work experience hours.

Personal Dev-Success Services (PDSS)

PDSS-095

Study Strategies for Students with Disabilities 1 UNITS

1.0 hours lecture

Students who are neurodiverse and/or have communicative, cognitive, intellectual, physical, visual, hearing, or mental health disabilities will receive instruction and practical experience in time management, study reading, note-taking, studying for tests, and test-taking. The course emphasizes the development of compensatory strategies that enhance students' opportunities for academic success. This course is offered on a Pass/No Pass basis only. (Nondegree credit course)

PDSS-097

Basic Writing for Students with Disabilities 2 UNITS

2.0 hours lecture

This course provides instruction in basic written language skills and knowledge to improve grammar, mechanics, usage, and composing skills for students with disabilities. Students will write narrative and expository paragraphs, focusing on the application of grammatical and mechanical rules and concepts in the context of writing. This course is offered on a Pass/ No Pass basis only. (Nondegree credit course)

PDSS-098

Writing Fundamentals for Students with Disabilities 2 UNITS

2.0 hours lecture

This course provides instruction in fundamental written language skills and knowledge designed to improve grammar, mechanics, usage, and composing skills for students who are neurodiverse and/or have communicative, cognitive, intellectual, physical, visual, hearing, or mental health disabilities. Students will write narrative and expository paragraphs as well as expository essays, focusing on the application of grammatical and mechanical rules and concepts in the context of writing. This course is offered on a Pass/No Pass basis only. (Nondegree credit course)

Philosophy (PHIL)

PHIL-110

A General Introduction to Philosophy

3 UNITS

3.0 hours lecture

Students in this course explore fundamental philosophical issues by investigating theories and problems about the nature of reality, human knowledge, and values. Familiar and unfamiliar views are examined, which exhibit various philosophic methodologies, and such views are related to our actions and experiences. Students will have the opportunity to assess their own views in light of the answers provided by philosophers, past and present. (C-ID PHIL 100) (CSU/UC) (AA/AS-C, CSU-C2, IGETC-3B)

PHIL-111

Philosophy and Popular Culture

3 UNITS

3.0 hours lecture

Philosophy and Popular Culture is designed to render relevant the insights, theories and conclusions of philosophers through the ages to the 21st Century American thinker. In contemporary times, people find themselves confronted with a unique set of dilemmas: moral and political relativism, ethical dilemmas, gender issues, consumerism, economic inequalities, the rising distrust of intellectualism and the dissolution of the American Dream. In this course, we investigate how the philosophical tradition has evaluated such developments and how philosophical thinking of the past can be a valuable tool in the quest to live an autonomous and meaningful life amidst these apparently dehumanizing trends. (CSU/UC) (AA/AS-C, CSU-C2, IGETC-3B)

PHIL-115

History of Philosophy I: Ancient and Medieval

3 UNITS

3.0 hours lecture

Students will learn about ancient philosophy with an emphasis on the development of philosophy from Socrates, Buddha, to Aristotle and then moving to Augustine, Ibn Sina, Aquinas, and other representatives of the medieval period. Students in this course will also explore other philosophical traditions in this time period, such as Mayan thought. This is a foundational course for any student who wishes to learn the history of ideas.

PHIL-117

History of Philosophy II: Modern and Contemporary

3 UNITS

3.0 hours lecture

This course is an exploration of philosophy from the Renaissance to the 21st century, including the development of modern scientific processes, phenomenology, existentialism, empiricism, rationalism, justice and so on. Alternatives to Western traditions are also considered. Students will encounter systems of thought coinciding with the rise of science, colonization, industrialization, trade unionism, technology, the climate crisis, and the great concentration of wealth. In this course, we will learn of our intellectual heritage and how it shapes the world in which we find ourselves.

PHIL-119

United States' Philosophies

3 UNITS

3.0 hours lecture

Students in this course will uncover and analyze the hidden philosophical assumptions and motivating theories of civil rights groups, unions, religious sects, non-governmental organizations, political action committees, educational systems, bureaucracies, and other iconic American institutions by investigating mission statements, resolutions, and positions of such organizations. Of particular importance is the alteration of American groups' philosophies over at least a century, since tracking the theoretical changes of long-standing American institutions is also to track what are distinctively American philosophies. (CSU, UC)

PHIL-120

Asian and Pacific Philosophies

3 UNITS

3.0 hours lecture

This course examines major Asian and Pacific philosophies, with focus on metaphysical, epistemological, and ethical questions. Special attention is given to family and the just society, and alternative conceptions of the self, time, and reality are also explored. Asian Pacific thought is an alternative to that of the Occident. These differences manifest in the larger cultural and socio-political contexts of the respective peoples. Students will emerge from this course with a greater understanding of the sources of their own fundamental beliefs. (CSU/UC) (AA/AS-C, CSU-C2, IGETC-3B)

PHIL-125

Critical Thinking

3 UNITS

3.0 hours lecture

Students will focus on the development of fundamental critical reasoning skills and the application of those skills to important areas of life. The analysis and construction of both inductive and deductive arguments are emphasized. Students learn how to use reasoning skills to make sound decisions, evaluate claims and assertions and to avoid logical errors. (CSU/UC) (AA/AS-A3, CSU-A3)

PHIL-130

Logic

3 UNITS

3.0 hours lecture

Logic is the study of the principles of correct reasoning. These principles deal with the nature of rational thought and the criteria for making critical judgments. The course undertakes the analysis of human thinking using both natural language and symbolic language. Students will develop logical skills to evaluate their opinions and beliefs and will apply these skills to the practical problems of everyday life. (C-ID PHIL 110) (CSU/UC) (AA/AS-A3, CSU-A3)

PHIL-140

Problems in Ethics

3 UNITS

3.0 hours lecture

This course is an introduction to ethics in theory and in practice. This study involves the exploration of moral theories and principles in order to see how they apply to the individual and society. We will critically examine some of the major schools of moral thought in Western philosophy, as well as some Eastern philosophy. These theories will be applied to some of the primary ethical problems that we face, as individuals and as societies, and will continue to confront. (C-ID PHIL 120) (CSU/UC) (AA/AS-C, CSU-C2, IGETC-3B)

PHIL-141**Bioethics****3 UNITS**

3.0 hours lecture

This course introduces students to the range of issues that define bioethics, the fundamental moral issues that arise in medicine, health, and biotechnology. These philosophical issues involve critical dilemmas at the intersections of law, society, culture, public policy, religion and economics. (CSU/UC) (AA/AS-C, CSU-C2, IGETC-3B)

PHIL-145**Social and Political Philosophy****3 UNITS**

3.0 hours lecture

This course is a philosophical examination into the nature of the relationship between morality, politics and social justice, from a multi-cultural perspective. Topics may include: the political significance of religion and culture, the concept of natural law, the existence and nature of rights, the obligation of citizens to their society, the nature of a just society, and theories of reward and punishment. Focus will be on the topics of: justice, equality, liberty, human rights, and the nature and limits of authority. (CSU/UC) (AA/AS-C, CSU-C2, IGETC-3B)

PHIL-150**The Philosophy of Art****3 UNITS**

3.0 hours lecture

Human beings make aesthetic judgments every day. Why do we decide that something is either beautiful or ugly? What criteria do we use to decide if a movie is good or not? Do our likes and dislikes connect to moral and intellectual judgments? This course is an introduction to major theories in aesthetics designed to help the students clarify and evaluate their own aesthetic judgments. (CSU/UC) (AA/AS-C, CSU-C2, IGETC-3B)

PHIL-155**The Philosophy of Science****3 UNITS**

3.0 hours lecture

Philosophy of science is a branch of epistemology (theory of knowledge) which deals with the truths of science. As a theory of knowledge it asks what it means for a theory to be "true," and how does science yield knowledge? It is an investigation into the nature and methods of scientific reasoning, in order to evaluate the truth claims of science. It also forces us to distinguish between scientific and non-scientific methodology. (CSU/UC) (AA/AS-C, CSU-C2, IGETC-3B)

PHIL-160**Latin American Philosophy****3 UNITS**

3.0 hours lecture

The course begins with the indigenous philosophies of Latin America, such as that of the Maya, and proceeds to the colonial period, under which students will learn of imported philosophies such as Scholasticism and Enlightenment thought. The curriculum then turns to the striving for independence in the post-colonial period, and the uneasy tension between positivism and inclusion. As the course turns to the thought of the Twentieth Century, the philosophies of liberation, postmodernism and globalism are explored. The conclusion of this course is a survey of the Latin American philosophies of our century, including those arising in the United States. (CSU/UC) (AA/AS-C, CSU-C2, IGETC-3B)

Photography (PHOT)

PHOT-150

Introduction to Photography

3 UNITS

2.0 hours lecture, 4.0 hours laboratory

Introductory course that examines the nature of photography and visual literacy through the personal exploration and making of photographic images with various image-making devices, and various image-processing approaches, including the use of Adobe Photoshop and an analog (film) darkroom. The primary focus of the course will be to engage in photographic practice as a means to respond subjectively as well as objectively to the conceptual and aesthetic experiences of the photographic image as a visual document of creative expression and communication. Historical and contemporary photographic works from the contexts of the family album, art photography, commercial/advertising photography, photography and media, and cyberspace will be examined and critically discussed to further cultivate and refine each students' visual literacy of the photographic image in society and culture. Any type of lens-based, image-making device including smart phones, digital point-and-shoot cameras, and digital SLRs can be used. (CSU/UC) (AA/AS-C)

PHOT-151

Personal Photographic Vision

3 UNITS

2.0 hours lecture, 4.0 hours laboratory

This course examines the foundations of photographic seeing, thought and analysis, and the use of analog (film) and digital photographic materials and processes, including black and white film, digital grayscale, and color (film and digital). Primary focus of the course is the development of a personal photographic vision through the use of photography's aesthetic attributes and a refined sense of technical execution and craft. Appropriate for students with prior exposure to photography and basic photographic experience. Discussion and practice with small and medium format (film) cameras, image exposure methods, basic artificial lighting techniques, image optimization and use of the dynamic tonal range with film processing and digital imaging techniques, and photographic printing practices in both darkroom and digital environments. The Photography Program provides a 35mm film camera for student use during the semester. (CSU/UC)

PHOT-152

Contemporary Photographic Practice

3 UNITS

Prerequisite: "C" grade or higher or "Pass" in PHOT 150 or PHOT 151 or equivalent.

2.0 hours lecture, 4.0 hours laboratory

This course explores various advanced analog (film) and digital photographic imaging systems, including medium- and large-format cameras, emerging technologies, and artificial lighting techniques in providing a foundation within the medium. Conceptual, aesthetic and technical principles, theories and strategies will be examined, including the application of one's photographic vision with medium- and large-format cameras, digital capture and/or emerging technology systems, appropriate image exposure, image-processing with Adobe Lightroom and Photoshop, and printing applications, as well as artificial lighting techniques on location and in the studio. (CSU)

PHOT-154

History of Photography

3 UNITS

3.0 hours lecture

A survey that examines the role and function of photography and its cultural history, including its relationship to art, science, social sciences, travel, fashion, and mass media. Topics of discussion will focus on the important cultural, aesthetic and technical considerations in photography within the historical and contemporary contexts of works by photographers from the United States, Latin America, Europe, Africa, the Middle East and Asia. Such topics will include Looking At and Understanding Photographs, The Origins and Development of Photography, A New Aesthetic - 19th Century Photography, Photography and Modernity, Lens Culture and Mass Media as well as The Globalization of Photography in the Digital Age. (CSU/UC) (AA/AS-C, CSU-C1, IGETC-3A)

PHOT-252

Photographer's Portfolio

3 UNITS

Prerequisite: "C" grade or higher or "Pass" in PHOT 150 or PHOT 151 or equivalent.

2.0 hours lecture, 4.0 hours laboratory

This course provides for further conceptual development and refinement of the techniques necessary to support serious photographic communication. Skillful control of photography's materials and processes along with an understanding of historical and contemporary issues within the medium will be applied with a high degree of critical analysis in the production and interpretation of the student's photographs. Students will conceptualize and produce a finished portfolio, including a print, portfolio book and/or website, that reflects the depth and scope of the student's interest, vision and technical craft. (CSU)

Physical Science (PSC)

PSC-100

Physical Science for Elementary Education

3 UNITS

Prerequisite: "Pass" grade in MATH 090 or equivalent.

3.0 hours lecture

This course is an introduction to scientific methodology, with an emphasis on knowledge and understanding of chemistry and physics. It is especially designed for those who are interested in teaching science in a primary school setting in which students must both understand the scientific method and master content in the physical sciences. The connection between physical science and global issues such as energy and environment will be emphasized. Topics to be covered include motion, gravity, heat and energy transfer, light and color, electricity, magnetism, the periodic table, ionic and covalent chemical bonding, chemical nomenclature, chemical reactions, solutions, and nuclear reactions. (CSU/UC) (AA/AS-B2, CSU-B1, IGETC-5A)

PSC-110

Introduction to the Physical Sciences

3 UNITS

3.0 hours lecture

A broad approach to the physical sciences designed primarily for non-science majors. Concepts of such sciences as astronomy, physics, chemistry, and the earth sciences will be developed and discussed. Emphasis is on the understanding and significance of fundamental principles. Application of certain concepts to contemporary issues, such as energy production and environmental problems, will be explored (e.g. nuclear energy). Within this context, the methods and limitations of science will be demonstrated and societal implications will be discussed. (CSU/UC) (AA/AS-B2, CSU-B1, IGETC-5A)

PSC-111

Introduction to Physical Sciences Laboratory

1 UNITS

Prerequisite: "C" grade or higher or "Pass" or concurrent enrollment in PSC 110 or equivalent.

3.0 hours laboratory

Designed to accompany and augment Physical Science 110. An introductory approach to scientific investigation of the physical universe, designed primarily for the student who is not majoring in science. The course provides an opportunity to explore a variety of physical materials, phenomena, and concepts such as motion, power, sound, light, energy, and radioactivity. (CSU/UC) (AA/AS-B2, CSU-B3, IGETC-5C)

PSC-120

Fundamentals of Scientific Computing (MATLAB)

4 UNITS

Prerequisite: "C" grade or higher or "Pass" in Math 103 or Math 110 or equivalent.

3.0 hours lecture, 3.0 hours laboratory

This course will focus on problem solving, data manipulation, and visualization using the MATLAB computing environment using applications from: physical science, engineering, life sciences, mathematics and statistics. Students will learn to analyze data, write simple algorithms for data processing and simulation, and visualize the results. Topics include: operations and variables; graphics and programming; solving equations and model fitting. (CSU/UC) (AA/AS-A3, CSU-B4)

PSC-210

Fundamentals of Electric Circuits

4 UNITS

Prerequisite: "C" grade or higher or "Pass" or concurrent enrollment in MATH 280 and PHYC 240 or equivalent.

3.0 hours lecture, 3.0 hours laboratory

Physical Science 210 provides an introduction to DC and AC circuit construction and analysis for students majoring in the physical sciences. Applies Kirchoff's Laws, nodal and mesh analysis, Norton and Thevenin's theorems to real and theoretical circuits. Also covers steady-state and transient responses of networks, RLC circuits, complex impedance, and power transfer. Students will use laboratory tools (e.g. breadboards, oscilloscopes, and signal generators) to construct and analyze circuits. (CSU/UC)

Physics (PHYC)

PHYC-110

Introductory Physics

4 UNITS

3.0 hours lecture, 3.0 hours laboratory

This physics course is structured for students who have had little or no previous physics or mathematics. The math needed is explained as the course progresses. Physics is the study of real and natural events, laws and phenomena which exist and interact in the universe around us. In this course those laws and events are studied with particular emphasis on the physics normally encountered in everyday living, such as motion, light and human vision, sound and hearing, energy and its use and conservation, gas laws and breathing. (CSU/UC) (AA/AS-B2, CSU-B1,B3, IGETC-5A,5C)

PHYC-130

Fundamentals of Physics

4 UNITS

Prerequisite: "C" grade or higher or "Pass" or concurrent enrollment in MATH 180 or equivalent.

3.0 hours lecture, 3.0 hours laboratory

This calculus-level course is the first of a sequence of two physics courses for life science majors. It provides a thorough basis in mechanics, kinematics, work, energy, properties of matter, heat, and vibrations. The course assumes no previous physics study, but makes extensive use of algebra, trigonometry, geometry, and calculus, as appropriate. The laboratory provides applications of physics principles to measurements of translational motion, forces, torques, rotational systems, and heat. Physics 130 is not open to students with credit in Physics 140. (C-ID PHYS 105) (CSU/UC) (AA/AS-B2, CSU-B1,B3, IGETC-5A,5C)

PHYC-131

Fundamentals of Physics

4 UNITS

Prerequisite: "C" grade or higher or "Pass" in PHYC 130 or equivalent.

3.0 hours lecture, 3.0 hours laboratory

A continuation of Physics 130 covering electric charges, electric and magnetic fields and forces, DC and AC circuits, electromagnetic waves, light, optical instruments, relativity, modern physics, and atomic and nuclear physics. The laboratory provides emphasis on measurement techniques involving electric charge, electric circuits, oscilloscopes, optics, interference, lasers, and nuclear counting. The calculus-based course is primarily designed for life science majors and pre-med students. Physics 131 is not open to students with credit in Physics 240 or 241. (C-ID PHYS 110) (CSU/UC) (AA/AS-B2, CSU-B1,B3, IGETC-5A,5C)

PHYC-140

Mechanics of Solids

4 UNITS

Prerequisite: "C" grade or higher or "Pass" in MATH 180 or equivalent.

3.0 hours lecture, 3.0 hours laboratory

This is the first course of a three-semester, calculus level sequence of physics courses designed for engineering, physics, mathematics, and science majors. The course assumes no previous physics study, but makes extensive use of algebra, trigonometry, geometry, and calculus, as appropriate. Topics include linear and rotational kinematics and dynamics with graphical analysis, energy and energy conservation, linear and angular momentum and their conservation laws, and gravitation. Applications include period motion, vibration, fluids, and wave propagation. (C-ID PHYS 205) (CSU/UC) (AA/AS-B2, CSU-B1,B3, IGETC-5A,5C)

PHYC-201

Mechanics and Waves

5 UNITS

Prerequisite: "C" grade or higher or "Pass" in MATH 180 or equivalent.

4.0 hours lecture, 3.0 hours laboratory

This is the first course of a three-semester, calculus level sequence of physics courses designed for engineering, physics, mathematics, and science majors. The course assumes no previous physics study, but makes extensive use of algebra, trigonometry, geometry, and calculus. Topics include linear and rotational kinematics and dynamics, energy and energy conservation, linear and angular momentum and their conservation laws, fluid dynamics, and gravitation, and wave motion. (C-ID PHYS 205) (CSU/UC) (AA/AS-B2, CSU-B1,B3, IGETC-5A,5C)

PHYC-202

Electricity, Magnetism, and Heat

5 UNITS

Prerequisite: "C" grade or higher or "Pass" in Physics 201 or equivalent and a "C" grade or higher or "Pass" or concurrent enrollment in MATH 280 or equivalent.

4.0 hours lecture, 3.0 hours laboratory

This is the second course of a three-semester, calculus level sequence of physics courses designed for engineering, physics, mathematics, and science students. The topics of heat, electricity, and magnetism are introduced at the beginning level with reliance upon students' ability to apply topics introduced in Physics 201. The laboratory provides emphasis on measurement using gas laws and of electric and magnetic fields, DC and AC circuits, and oscilloscope techniques. (C-ID PHYS 210) (CSU/UC) (AA/AS-B2, CSU-B1,B3, IGETC-5A,5C)

PHYC-203

Light, Optics, and Modern Physics

5 UNITS

Prerequisite: "C" grade or higher or "Pass" in PHYC 202 or equivalent and a "C" grade or higher or "Pass" or concurrent enrollment in MATH 281 or equivalent.

4.0 hours lecture, 3.0 hours laboratory

This is the third course of a three-semester, calculus level sequence of physics courses designed for engineering, physics, mathematics, and science students. The topics of optics, quantum mechanics, special relativity, and atomic and nuclear physics are introduced at the beginning level with the reliance upon ability to apply topics introduced in Physics 201 and Physics 202. The laboratory provides experiments in optics, interference and diffraction, and nuclear physics. (C-ID PHYS 215) (CSU/UC) (AA/AS-B2, CSU-B1,B3, IGETC-5A,5C)

PHYC-240

Electricity, Magnetism, and Heat

4 UNITS

Prerequisite: "C" grade or higher or "Pass" in PHYC 140 or equivalent. A "C" grade or higher or "Pass" or concurrent enrollment in MATH 280 or equivalent.

3.0 hours lecture, 3.0 hours laboratory

This is part of a three-semester, calculus level sequence of physics courses designed for science, mathematics, physics, and engineering students. The topics of heat, electricity, and magnetism are introduced at the beginning level with reliance upon students' ability to apply topics introduced in Physics 140. The laboratory provides emphasis on measurements using gas laws and of electric and magnetic fields, DC and AC circuits, and oscilloscope techniques. (C-ID PHYS 210) (CSU/UC) (AA/AS-B2, CSU-B1,B3, IGETC-5A,5C)

PHYC-241**Light, Optics, and Modern Physics****4 UNITS**

Prerequisite: A "C" grade or higher or "Pass" in Physics 240 or equivalent or a "B" grade or higher in Physics 140. A "C" grade or higher or "Pass" or concurrent enrollment in Math 281 or equivalent.

3.0 hours lecture, 3.0 hours laboratory

This is part of a three-semester, calculus level sequence of physics courses designed for engineering, physics, mathematics, and science students. The topics of wave motion, electromagnetic waves, optics, quantum mechanics, special relativity, and atomic and nuclear physics are introduced at the beginning level with reliance upon ability to apply topics introduced in Physics 140. The laboratory provides experiments in mechanical waves, optics, interference and diffraction, and nuclear physics. (C-ID PHYS 215) (CSU/UC) (AA/AS-B2, CSU-B1,B3, IGETC-5A,5C)

Political Science (POSC)

POSC-120

Introduction to Politics and Political Analysis 3 UNITS
3.0 hours lecture

The primary aim of this course is to assist the student/citizen in the development of a set of skills which can be helpful in analyzing political situations in the world today. In order to accomplish this objective, the student will be introduced to the basic approaches, perspectives, techniques and models of the political scientist. Accordingly this course covers some universal aspects of political stability and change, ideologies, conflicts, institutions, political economy, and issues. (Does not meet American Institutions requirement.) (C-ID POLS 150) (CSU/UC) (AA/AS-D, CSU-D, IGETC-4)

POSC-121

Introduction to U.S. Government and Politics 3 UNITS
3.0 hours lecture

This course analyzes the evolution of the structures and functions of the U.S. and California political systems from the time of the nation's founding to the current day in what is now the United States. This course emphasizes the continuity and uniqueness of the American political experience and how that experience has derived from other political cultures. This will be examined in the context of the larger cultural, economic, and sociological forces shaping the U.S. political system. Attention will also be given to significant events affecting the evolution of the U.S. political system since its founding. The development and evolution of the U.S. Constitution and policy making role of traditional political institutions such as the presidency, the Congress, and the judiciary will be explored. The impact of other political forces such as mass movements, the media, the bureaucracy, interest groups and ethnic and social groups will also be examined. All topics covered in the course will be illustrated through reference to actual political events occurring as the course progresses. (C-ID POLS 110) (CSU/UC) (AA/AS-D, CSU-D, IGETC-4)

POSC-124

Introduction to Comparative Government and Politics 3 UNITS
3.0 hours lecture

Students in this course will analyze the political systems of selected developed, transitional, and developing countries of the world in order to understand the importance of political development, political institutions, political actors, political processes, and political change for the dynamics of today's global society. (C-ID POLS 130) (CSU/UC) (AA/AS-D, CSU-D, IGETC-4)

POSC-130

Introduction to International Relations 3 UNITS
3.0 hours lecture

This course is a survey of the field of international relations. Students will be introduced to the major theories of international relations and will learn to apply them to contemporary problems in world politics. Issues examined include global peace and security, international political economy, international law and organization, sustainable development, and human rights. (C-ID POLS 140) (CSU/UC) (AA/AS-D, CSU-D, IGETC-4)

POSC-135

Model United Nations 1 UNITS
1.0 hours lecture

A course designed to provide students with a thorough understanding of the role of the United Nations in world affairs. By assuming the role of different countries and by researching crucial topical issues, students will prepare for participation in United Nations simulations. The course will include participation in regional Model United Nations. (CSU)

POSC-140

Introduction to California Governments and Politics 3 UNITS
Recommended Preparation: A "C" grade or higher or "Pass" in Political Science 121 or equivalent.

3.0 hours lecture
This course examines the structure and functions of California state and local governments and politics. Attention will be given to the evolution of the principal features, organization, and operation of state and local governments within the framework of U.S. federalism from the time of the nation's founding. Emphasis is placed on the role of significant events, major ethnic groups and major social groups in the development of the political structures and processes of California state and local governments and contemporary political issues. (CSU/UC) (AA/AS-D, CSU-D, IGETC-4)

POSC-145

Introduction to Latin American Government and Politics 3 UNITS
3.0 hours lecture

This course provides an analysis of the politics and governance of selected Latin American countries. The course examines political and economic development of Latin America from independence to the present, structure and organization of governments, political participation, the role of religion, and civil-military relations. In addition, major developments in the area of political modernization, democratization, economic growth and modernization, questions of race and identity, and U.S.-Latin American Relations will be explored. (CSU/UC) (CSU-D, IGETC-4)

POSC-147

Introduction to Middle East Government and Politics 3 UNITS
3.0 hours lecture

This course introduces students to the politics and governance of the Middle East and North Africa. The course will cover the political, social, and economic development of specific countries in the region, conflict, revolution, key individuals, armed conflicts, the role of Islam, Judaism, and Christians, and the role of foreign powers in shaping the politics of the region. The course begins with the origins of the Modern Middle East from the collapse of the Ottoman Empire and the First World War (1914-1918), the consequences of the Ottoman Empire's collapse, the rise of the modern nation-state, the role of oil in politics and economic development, Westernization and the Islamic resurgence, and nationalism. The curriculum proceeds to a study of armed conflicts in the region, including, but not limited to, the Arab-Israeli conflict, The War on Terror, and U.S. Foreign Policy in the Middle East. (CSU/UC) (CSU-D, IGETC-4)

POSC-148

American Foreign Policy 3 UNITS
3.0 hours lecture

This course offers an introduction to American Foreign Policy since World War II. The course provides a chronological assessment of the American decision-making process, key actors, and events in pursuit of American national security, economic, and moral interest from the Cold War to the present era. The course will explore American foreign policy in specific regions of the world including Europe, Asia, the Middle East, Latin America, and Africa while seeking greater understanding of the questions of war and peace, democracy promotion, human rights, economic development, the War on Terror, and the emergence of great power rivalry in the 21st century. (CSU/UC) (CSU-D, IGETC-4)

POSC-150**Introduction to Political Theory 3 UNITS**

3.0 hours lecture

A comparative and conceptual analysis of the principal ideological and philosophical approaches to government. This course surveys the important political ideas and alternatives which have been suggested from ancient to modern times. A major emphasis of the course will be to introduce and clarify for the student the basic aspects of nationalism, democracy, Orthodox Marxism, anarchism, philosophical conservatism, New Left thought, feminism, environmentalism, transhumanism, fundamentalism, and fascism. (C-ID POLS 120) (CSU/UC) (AA/AS-D, CSU-D)

POSC-155**State and Society in the Asia Pacific 3 UNITS**

3.0 hours lecture

An historical, cultural and social science based comparative analysis of the evolution and current conditions of significant political/economic/social communities within the Asian Pacific Region. The course will focus on the endurance of traditional cultures, the intermingling and grafting of the Asian traditions, the influence of Western values and institutions, socioeconomic development and change, the relationship between individuals and institutions of state, national identity and nationalism, and the importance of globalization for the region. States studied through the above lenses may include China, India, Japan, states of Southeast Asia, the Koreas, Australia, New Zealand, the Russian Pacific, the island states of the Pacific, and states of Central and South Asia. (CSU/UC) (CSU-D, IGETC-4)

POSC-160**Politics in Film 3 UNITS**

3.0 hours lecture

This course uses film to explore major aspects of political life and to examine the cultural creation of meaning about social and political power, values, and activities. Films are studied as social and political products and to enhance understanding of political phenomena in the American and other cultures. These phenomena include social/political movements, civil liberties, electoral politics, war, law, political economy, and race, gender, and class differences and conflict. This course explains for students how they can view films in different political contexts and view politics from different theoretical lenses to gain insight about contemporary political life. (CSU/UC) (AA/AS-D, CSU-D, IGETC-4)

POSC-195**Internship in Political Science 1 UNITS**

Community Service Learning Experience (CSLE) is a community outreach program which promotes the national agenda of volunteer engagement. The purpose is to provide students an opportunity to explore options and careers in a selected area of study. This course places student with political office holders at the federal, state, or local level; government and social agencies; non-profit and lobbying groups; law firms, and similar locations. (CSU) 5 hours work experience per week, 60 volunteer hours or 75 paid hours.

POSC-197**Internship in Political Science 2 UNITS**

Community Service Learning Experience (CSLE) is a community outreach program which promotes the national agenda of volunteer engagement. The purpose is to provide students an opportunity to explore options and careers in a selected area of study. This course places students with political office holders at the federal, state, and local levels; government and social agencies; non-profit and lobbying groups; law firms, and similar locations. (CSU) 10 hours work experience per week, 120 volunteer hours or 150 paid hours.

Psychology (PSY)

PSY-120

Introductory Psychology

3 UNITS

3.0 hours lecture

An introduction of the facts and theories that enhance understanding of human behavior as studied by psychologists. A general overview of the research methods and major research findings of psychology is examined. Topics covered include physiology, learning, perception and cognitive process, development, motivation and emotion, personality, abnormal behavior, therapy, and social psychology. (C-ID PSY 110) (CSU/UC) (AA/AS-D, CSU-D, IGETC-4)

PSY-125

Cross-Cultural Psychology

3 UNITS

3.0 hours lecture

An introduction to theories and research findings regarding cultural influences on human behavior and cognitive processes (life-span development, abnormal behavior and mental health, drug use, self-concept, emotion, gender schemas and gender roles, social behavior, perception, learning, intelligence, and memory). By providing students with a non-judgmental understanding of how culture influence human behavior, this course will make them more equipped to interact in a world where there is increasing contact among different cultures. (CSU/UC) (AA/AS-D, CSU-D, IGETC-4)

PSY-132

Psychology of Health

3 UNITS

3.0 hours lecture

The goal of health psychology is to understand the psychological influences on health promotion and maintenance, on prevention and treatment of illness and on the individual's response to illness. The course will focus on the etiology and correlates of health and illness, as well as analyze the health care system and the formulation of health policies. (CSU) (AA/AS-D, CSU-E)

PSY-134

Human Sexuality

3 UNITS

3.0 hours lecture

An overview of the biological, psychological, social and cultural aspects of human sexuality. Topics include historical, social and cultural variations, the influence of gender in sexual behavior, the anatomy and physiology of human sexuality and reproduction, sexuality throughout the lifespan, sexual orientation, communication and relationships, sex therapy, rape and sexual assault, contraception and new reproductive technologies, sexual morality, and STDs. (C-ID PSY 130) (CSU/UC) (AA/AS-D, CSU-D, E, IGETC-4)

PSY-138

Social Psychology

3 UNITS

3.0 hours lecture

An examination of individuals in social contexts to reveal how one's thoughts, feelings and actions can be influenced by other people. Includes topics such as social perception and attribution processes, dissonance reduction, altruism, aggression, prejudice, conformity, and group processes. (C-ID PSY 170) (CSU/UC) (AA/AS-D, CSU-D, IGETC-4)

PSY-140

Physiological Psychology

3 UNITS

Prerequisite: "C" grade or higher or "Pass" in PSY 120 or equivalent.

3.0 hours lecture

An examination of the relationships between bodily processes and aspects of behavior. A review of the fundamental research methods and major research findings in physiological psychology. The application of experimental methods in psychology, physiology, and related disciplines to the understanding of perceptual processes, the control of movement, sleep and walking, reproductive behaviors, ingestive behaviors, emotion, learning, language, and mental disorders is explored. Ethical standards for human and animal research are discussed in the context of both invasive and non-invasive experimental research. (C-ID PSY 150) (CSU/UC) (AA/AS-D, CSU-D,E, IGETC-4)

PSY-150

Developmental Psychology

3 UNITS

Prerequisite: "C" grade or higher or "Pass" in PSY 120 or equivalent.

3.0 hours lecture

An introduction to psychological theories and research regarding human physical, cognitive, and socio-emotional development from infancy, through childhood, adolescence and maturity. Emphasis is placed on critical analysis of existing theories, research methodology, and research findings, taking into account the influence of factors such as culture, gender, ethnicity, historical cohort, and socio-economic status. The focus of the course is on understanding and applying empirical research and theories in developmental psychology. (C-ID PSY180) (CSU/UC) (CSU-D,E, IGETC-4)

PSY-170

Abnormal Psychology

3 UNITS

3.0 hours lecture

Overview of psychological research and theoretical perspectives involving the diagnoses, causes and treatment of abnormal behavior. The major disorders include anxiety disorders (such as phobias, panic attacks and obsessive-compulsive), mood disorders (such as depression and bipolar disorders), schizophrenia, personality disorders, childhood/adolescent disorders (such as ADHD, eating disorders and disorders of the autism spectrum), substance-related disorders and cognitive disorders. (C-ID PSY 120) (CSU/UC) (AA/AS-D, CSU-D, IGETC-4)

PSY-180

Psychology of Interpersonal Skills

3 UNITS

3.0 hours lecture

A study of those skills important for helpful interpersonal relating, accompanied by structured experience and training in their practice. The skill of Empathic Listening is emphasized, with a focus on theory and research, application in helping relationships, and implementation in one-on-one and group interaction in class. The laboratory is designed to give students practice and training (in dyads, triads, pentads, and the entire class) in the many sub-skills that make up Empathic Listening. (CSU/UC) (CSU-E)

PSY-201

Academic and Career Opportunities in Psychology

1 UNITS

Prerequisite: "C" grade or higher or "Pass" in PSY 120 or equivalent.

1.0 hours lecture

Psychology 201 is designed for students interested in majoring in psychology. This course is a study of career options in the field of psychology. Emphasis will be placed on academic planning, post-baccalaureate options in psychology and related fields, and identification of career-related strengths and interests. Recommended after completion of thirty (30) units. This course is offered on a Pass/No Pass basis only. (CSU)

PSY-205**Research Methods in Psychology****4 UNITS**

Prerequisite: "C" grade or higher or "Pass" in PSY 120 and PSY 215 or ANTH 215 or SOC 215 or MATH 160 or equivalent.

3.5 hours lecture, 1.5 hours laboratory

An introduction to the scientific methodology used in psychology and the behavioral sciences. This course surveys various psychological research methods with an emphasis on research design, experimental procedures, descriptive methods, mixed methods (qualitative and quantitative) instrumentation, and the collection, analysis, interpretation, and reporting of research data. Research design and methodology will be examined through a review of research in a variety of the sub-disciplines of psychology. The laboratory is designed to complement the lectures and allow each student to design and conduct psychological research. (C-ID PSY 200) (CSU/UC)

PSY-211**Cognitive Psychology****3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in PSY 120 or equivalent.

3.0 hours lecture

A general introduction to the principles of cognition. This course examines theoretical and research approaches to the study of cognitive neuroscience, perception, attention, memory, knowledge, visual imagery, language acquisition and development, problem solving and decision making.

PSY-215**Statistics for the Behavioral Sciences****4 UNITS**

Prerequisite: "C" grade or higher or "Pass" in MATH 103 or MATH 110 or equivalent or appropriate placement beyond intermediate algebra.

3.5 hours lecture, 1.5 hours laboratory

Methods and experience in defining and solving quantitative problems in the behavioral sciences. Emphasis is on the design of experiments and the application of a variety of parametric and nonparametric techniques to the analysis of data. (C-ID MATH 110, SOCI 125) (CSU/UC) (AA/AS-A3, CSU-B4, IGETC-2A)

PSY-220**Learning****3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in PSY 120 or equivalent.

3.0 hours lecture

An examination of the basic principles and research in animal and human learning. (CSU/UC) (AA/AS-D, CSU-D,E, IGETC-4)

Religious Studies (RELG)

RELG-110

Introduction to the Study of Religion

3 UNITS

3.0 hours lecture

This course introduces the academic study of religion with emphasis on the origin and functions of religion, religious experience, and major issues within the field of religious studies. Topics of study will include religion and society, the intersection between religion and gender, race, and violence, and the diverse components of religion (CSU, UC)(AA/AS-C, CSU-C2)

RELG-120

World Religions

3 UNITS

3.0 hours lecture

This course is an introduction to the major religions of the world and the primary figures associated with those religious systems. Students will study the content of religious beliefs and examine the rituals and practices through which those beliefs are expressed. (CSU/UC) (AA/AS-C, CSU-C2, IGETC-3B)

RELG-130

Scriptures of World Religions

3 UNITS

3.0 hours lecture

This course is a study of religion based on in-depth reading and careful analysis of the primary sacred texts associated with major religions of the East and the West. (CSU/UC) (AA/AS-C, CSU-C2, IGETC-3B)

RELG-140

Religion and Culture

3 UNITS

3.0 hours lecture

A study of the relationship between religious beliefs and practices and aspects of culture as represented through literary, performing and visual arts. Emphasis is on major world religions and dominant traditions of Eastern and Western culture. (CSU/UC) (AA/AS-C, CSU-C1,C2, IGETC-3B)

RELG-150

Scriptures of India and China

3 UNITS

3.0 hours lecture

This course provides an overview of the variety of religious traditions and communities found throughout Asia. Students comparatively examine the beliefs, scriptures, world-views, rituals, ethics, and social systems of the religious traditions and communities throughout Asia. (CSU/UC) (AA/AS-C, CSU-C2, IGETC-3B)

RELG-165

Religion in America

3 UNITS

3.0 hours lecture

In this course students will examine the role of religion and religious groups in key events, time periods, regions, and institutions of the United States. The course concentrates on the interaction of religious groups with each other and with the larger society, particularly in relation to the political, economic, geographical, and cultural life of the nation. We will explore the contours of religion in North America from the precolonial times to the present, with special attention paid to American religious diversity and the complexities of American religious life. As we analyze the role of religion in American history, we will view past events through the lens of African-Americans, Native Americans, Latinx Americans, and Asian-Americans, amongst other perspectives. We will also explore the religious dimensions of gender, race, ethnicity, and socioeconomic class. (CSU) (AA/AS-D) (CSU-C2, IGETC-3B)

RELG-170

Introduction to Christianity

3 UNITS

3.0 hours lecture

This course will provide an introduction to the Christian religion, giving attention to the history of its development. Its scriptures, rituals, and beliefs will be examined, as well as important persons, groups, and events which have developed among the Roman, Orthodox, and Protestant communities of Christianity. (CSU/UC) (AA/AS-C, CSU-C2, IGETC-3B)

RELG-175

Religion, Government and Politics in America

3 UNITS

3.0 hours lecture

This course analyzes the relations between religion, religious communities, and political institutions in the United States and California. The course examines political institutions and processes under the U.S. and California Constitutions, the influence of religion and religious communities on these institutions and processes, and the influence of these institutions and processes on religious communities, especially related to the rights and duties of citizenship. The influence of religious communities on the development and evolution of the U.S. Constitution and policy making role of traditional political institutions such as the presidency, the Congress, and the judiciary will be explored. Topics of study include freedom of religion, civil rights and citizenship, the political and religious philosophies of the framers of the U.S. Constitution, Constitutional documents as sources of civil religion, religion and immigration, separation of church and state, religion in public education, and the role of religion in war and domestic and foreign policy. (CSU, UC) (AA/AS-D, CSU-D)

Respiratory Therapy (RESP)

RESP-105

Cardiopulmonary Physiology and Disease Entities 4 UNITS

Prerequisite: Admission to the Respiratory Therapy Program

Corequisite: "C" grade or higher or concurrent enrollment in RESP 108 and 112 and 114.

4.0 hours lecture

This course is designed to explore advanced functions of the cardiopulmonary system by building upon previous knowledge of human anatomy and physiology. The course expands on the physiological processes of ventilation, gaseous diffusion, gaseous transport, the relationship between the pulmonary and systemic circulations, and how acid-base balance is essential in maintaining cellular homeostasis. Students will compare and contrast normal and abnormal anatomy and physiology and examine the interrelationship between abnormal findings and disease. (CSU)

RESP-108

Basic Respiratory Therapy Equipment, Procedures and Life Support Systems 5 UNITS

Prerequisite: Admission to the Respiratory Therapy Program.

Corequisite: "C" grade or higher or concurrent enrollment in RESP 105 and 112 and 114.

3.0 hours lecture, 6.0 hours laboratory

This course is designed to introduce the student to basic patient assessment, equipment, and procedures used in respiratory therapy. Equipment principles of operation, proper care and maintenance, and trouble-shooting are included. Education of diverse patient populations, proper infection control techniques, and patient care plans are introduced. Simulation and laboratory exercises are integrated into the course in order to improve the students' ability to manage patients, promote critical thinking and decision-making skills, and to improve communication and technical skills. (CSU)

RESP-112

Supervised Clinical Practicum I 1 UNITS

Prerequisite: Admission to the Respiratory Therapy Program.

Corequisite: "C" grade or higher or concurrent enrollment in RESP 105 and 108 and 114.

3.0 hours laboratory

This course is designed to practice basic respiratory therapy procedures and general patient assessment in the general care environment. Included in the supervised experiences are laboratory and physical assessment, oxygen therapy, humidity and aerosol therapy and general medication delivery by inhalation.

RESP-114

Cardiopulmonary Pharmacology 2 UNITS

Prerequisite: Admission to the Respiratory Therapy Program

Corequisite: "C" grade or higher or concurrent enrollment in RESP 105 and 108 and 112.

2.0 hours lecture

This course is designed for the Respiratory Therapy student. Major emphasis will be given to cardiac, cardiovascular, and pulmonary drugs. Specific drugs in these categories will be addressed in terms of action, indication, possible allergic reactions and contraindications. (CSU)

RESP-116

Assessment in Respiratory Care 2.5 UNITS

Prerequisite: "C" grade or higher in RESP 105 and 108 and 112 and 114 or equivalent.

Corequisite: "C" grade or higher or concurrent enrollment in RESP 118 and 122 and 150.

2.5 hours lecture

This course is designed to build upon basic assessment skills.

Development of advanced skills is done through incorporating diverse techniques used when completing physical examinations, gathering data, making decisions and providing recommendations in the care of patients with cardiopulmonary diseases. This process is done through analyzing data, deciphering significant clinical findings, discussing effective communication methods and collaboratively formulating a plan of care. (CSU)

RESP-118

Critical Care Life Support Equipment and Procedures 4.5 UNITS

Prerequisite: "C" grade or higher in RESP 105 and 108 and 112 and 114 or equivalent.

Corequisite: "C" grade or higher or concurrent enrollment in RESP 116 and 122 and 150.

3.0 hours lecture, 4.5 hours laboratory

This course explores advanced concepts of respiratory therapy equipment and therapeutic procedures with emphasis on complex principles of equipment operation and care, quality control and advanced therapeutic techniques as employed in the critical care environment. Special emphasis is placed on life support systems. Variations in ventilation oxygenation and current weaning techniques are discussed for various disease entities. (CSU)

RESP-122

Supervised Clinical Practicum II 3 UNITS

Prerequisite: "C" grade or higher in RESP 105 and 108 and 112 and 114 or equivalent.

Corequisite: "C" grade or higher or concurrent enrollment in RESP 116 and 118 and 150.

9.0 hours laboratory

This course is designed to practice general respiratory therapy procedures and pulmonary assessment in the acute care hospital environment. Included in the supervised experiences are oxygen, aerosol and medication delivery therapy, chest physiotherapy techniques, hyperinflation therapy, airway care techniques and mechanical ventilation management with both acute and critical care patients. Pulmonary assessment, monitoring and pathophysiology are applied to modify appropriate patient care management. (CSU)

RESP-150

Neonatal Pediatric Respiratory Care 3 UNITS

Prerequisite: "C" grade or higher in RESP 105, 108, 112 and 114 or equivalent.

Corequisite: "C" grade or higher or concurrent enrollment in RESP 116 and 118 and 122.

3.0 hours lecture

This course is designed to familiarize the respiratory therapy student with the knowledge necessary to care for pediatric and neonatal patient populations. Pediatric, infant, and neonatal physiology, pathophysiology, clinical manifestations, management and treatment in acute and critical care are emphasized.

RESP-200A**Work-Study Externship - Patient Care Management 1 UNITS**

Prerequisite: "C" grade or higher in RESP 122 or equivalent and recommendation of the Respiratory Therapy faculty.

This is a work study course in which a Grossmont College Respiratory Therapy student is employed by or volunteers at a clinical site with whom the Respiratory Therapy Program has established an affiliation agreement. The clinical site supports the objectives of the course and provides supervision through licensed Respiratory Care Practitioner preceptors. The student applies previously acquired Respiratory Therapy theory and clinical skills in the management of patient care. This course is offered on a Pass/No Pass basis only and may be taken three times. (CSU) 5 hours work experience per week, 60 volunteer hours or 75 paid hours.

RESP-200B**Work-Study Externship - Patient Care Management 1 UNITS**

Prerequisite: "C" grade or higher in RESP 122 or equivalent and recommendation of the Respiratory Therapy faculty.

This is a work study course in which a Grossmont College Respiratory Therapy student is employed by or volunteers at a clinical site with whom the Respiratory Therapy Program has established an affiliation agreement. The clinical site supports the objectives of the course and provides supervision through licensed Respiratory Care Practitioner preceptors. The student applies previously acquired Respiratory Therapy theory and clinical skills in the management of patient care. This course is offered on a Pass/No Pass basis only and may be taken three times. (CSU) 5 hours work experience per week, 60 volunteer hours or 75 paid hours.

RESP-200C**Work-Study Externship - Patient Care Management 1 UNITS**

Prerequisite: "C" grade or higher in RESP 122 or equivalent and recommendation of the Respiratory Therapy faculty.

This is a work study course in which a Grossmont College Respiratory Therapy student is employed by or volunteers at a clinical site with whom the Respiratory Therapy Program has established an affiliation agreement. The clinical site supports the objectives of the course and provides supervision through licensed Respiratory Care Practitioner preceptors. The student applies previously acquired Respiratory Therapy theory and clinical skills in the management of patient care. This course is offered on a Pass/No Pass basis only and may be taken three times. (CSU) 5 hours work experience per week, 60 volunteer hours or 75 paid hours.

RESP-201**Cardiopulmonary Pathology and Pathophysiology 4 UNITS**

Prerequisite: "C" grade or higher in RESP 116 and 118 and 122 and 150 or equivalent.

Corequisite: "C" grade or higher or concurrent enrollment in RESP 208 and 222.

4.0 hours lecture

This course is an introduction to basic respiratory pathology and resulting abnormal physiology. The role of the respiratory therapist in management of cardiorespiratory disease entities commonly found in the general care environment, in the intensive care unit, and in the home care setting is developed. Emphasis is placed on the pathological processes. (CSU)

RESP-202A**Work-Study Externship - Patient Care Management 2 UNITS**

Prerequisite: "C" grade or higher in RESP 122 or equivalent and recommendation of the Respiratory Therapy faculty.

This is a work study course in which a Grossmont College Respiratory Therapy student is employed by or volunteers at a clinical site with whom the Respiratory Therapy Program has established an affiliation agreement. The clinical site supports the objectives of the course and provides supervision through licensed Respiratory Care Practitioner preceptors. The student applies previously acquired Respiratory Therapy theory and clinical skills in the management of patient care. This course is offered on a Pass/No Pass basis and may be repeated three times. (CSU) 10 hours work experience per week, 120 volunteer hours or 150 paid hours.

RESP-202B**Work-Study Externship - Patient Care Management 2 UNITS**

Prerequisite: "C" grade or higher in RESP 122 or equivalent and recommendation of the Respiratory Therapy faculty.

This is a work study course in which a Grossmont College Respiratory Therapy student is employed by or volunteers at a clinical site with whom the Respiratory Therapy Program has established an affiliation agreement. The clinical site supports the objectives of the course and provides supervision through licensed Respiratory Care Practitioner preceptors. The student applies previously acquired Respiratory Therapy theory and clinical skills in the management of patient care. This course is offered on a Pass/No Pass basis and may be repeated three times. (CSU) 10 hours work experience per week, 120 volunteer hours or 150 paid hours.

RESP-202C**Work-Study Externship - Patient Care Management 2 UNITS**

Prerequisite: "C" grade or higher in RESP 122 or equivalent and recommendation of the Respiratory Therapy faculty.

This is a work study course in which a Grossmont College Respiratory Therapy student is employed by or volunteers at a clinical site with whom the Respiratory Therapy Program has established an affiliation agreement. The clinical site supports the objectives of the course and provides supervision through licensed Respiratory Care Practitioner preceptors. The student applies previously acquired Respiratory Therapy theory and clinical skills in the management of patient care. This course is offered on a Pass/No Pass basis and may be repeated three times. (CSU) 10 hours work experience per week, 120 volunteer hours or 150 paid hours.

RESP-205**Professionalism and Career Preparation for Respiratory Therapy 3.5 UNITS**

Prerequisite: "C" grade or higher in RESP 201 and 208 and 222 or equivalent.

Corequisite: "C" grade or higher or concurrent enrollment in RESP 232 and 268.

3.5 hours lecture

RESP 205 is a course that prepares the student for a career in Respiratory Therapy. Topics in professionalism, ethics, life-long learning and preparation for state licensure and professional exams are explored by the student. Students are invited to create a professional resume, cover letters and a portfolio. Students will design a capstone project that reflects their interest and passion in respiratory health. (CSU)

RESP-208**Invasive and Noninvasive Cardiopulmonary Monitoring 4 UNITS**

Prerequisite: "C" grade or higher in RESP 116 and 118 and 122 and 150 or equivalent.

Corequisite: "C" grade or higher or concurrent enrollment in RESP 201 and 222.

3.0 hours lecture, 3.0 hours laboratory

This course is designed to provide theory and hands-on practice in various means of monitoring the patient in the acute care setting. An introductory level of advanced modes of ventilation, principles of weaning from mechanical ventilation as well as monitoring the cardiovascular system with capnography, electrocardiography and hemodynamic monitoring in the critical care setting will be presented. (CSU)

RESP-220**Sleep Disorders, Diagnostic Procedures, and Treatments 4 UNITS**

4.0 hours lecture

The student will become familiar with Sleep Medicine and the opportunities available in this specialty. The student will learn about roles of the sleep specialist, infection control and patient safety, sleep physiology and functions, monitoring of the patient, and the use of diagnostic and treatment equipment and options. (CSU)

RESP-222**Supervised Clinical Practicum III 4 UNITS**

Prerequisite: "C" grade or higher in RESP 116 and 118 and 122 and 150 or equivalent.

Corequisite: "C" grade or higher or concurrent enrollment in RESP 201 and 208.

12.0 hours laboratory

This course provides practice in advanced respiratory procedures and therapeutic techniques in the critical care environment. Therapeutic management of critical pulmonary patients is practiced under direct instructor supervision. Assessment of patient pulmonary status by the student is required prior to the convening of clinical. (CSU)

RESP-232**Supervised Clinical Practicum IV 4 UNITS**

Prerequisite: "C" grade or higher in RESP 201 and 208 and 222 or equivalent.

Corequisite: "C" grade or higher or concurrent enrollment in RESP 205 and 268.

12.0 hours laboratory

This course provides practice in advanced cardiopulmonary specialty techniques in the hospital environment or simulation lab under direct supervision of specialty experts. These techniques build upon content from 201, 208, and 222. (CSU)

RESP-268**Respiratory Therapy Home Care Techniques 1.5 UNITS**

Prerequisite: "C" grade or higher in RESP 201 and 208 and 222 or equivalent.

Corequisite: "C" grade or higher or concurrent enrollment in RESP 205 and 232.

1.5 hours lecture

This course will provide the student with a review of various apparatuses utilized by patients in their home. This will include home oxygen therapy modalities, home sterilization techniques and home ventilator life support systems.

RESP-270**Respiratory Therapy Review 2 UNITS**

Prerequisite: "C" grade or higher in RESP 201 and 208 and 222 or equivalent.

2.0 hours lecture

The student will review all areas of Respiratory Therapy as preparation for the Respiratory Therapy advanced level credentialing examinations. Emphasis will be given to credentialing examination matrices. (CSU)

Russian (RUSS)

RUSS-120

Russian I

5 UNITS

5.0 hours lecture

An introductory course to the Russian language and the cultures of its speakers. This course is designed for students with very little or no knowledge of Russian. It facilitates the practical application of the language in everyday oral and written communication at the beginning level. Since the focus will be on basic communication skills, the class will be conducted in Russian as much as possible. Students will learn structures that will enable them to function in Russian in everyday contexts while becoming familiar with the Russian speaking world. (CSU/UC) (AA/AS-C, CSU-C2, IGETC-6A)

RUSS-121

Russian II

5 UNITS

Prerequisite: "C" grade or higher or "Pass" in RUSS 120 or two years of high school Russian or equivalent.

5.0 hours lecture

Russian 121 is the continuation of Russian 120. The course will continue to develop oral and written skills based on practical everyday needs. (CSU/UC) (AA/AS-C, CSU-C2, IGETC-3B, 6A)

RUSS-196

Community Service Learning Experience

1 UNITS

Prerequisite: "C" grade or higher or "Pass" in RUSS 120 or equivalent.

Community Service Learning Experience (CSLE) is a community outreach program which promotes the national agenda of volunteer engagement. The purpose of this course is to provide the student an opportunity to practice and use the Russian language in a community based site and to explore different career options. (CSU) 5 hours work experience per week, 60 unpaid hours or 75 paid hours.

RUSS-220

Russian III

5 UNITS

Prerequisite: "C" grade or higher or "Pass" in RUSS 121 or three years of high school Russian or equivalent.

5.0 hours lecture

Russian 220 is the continuation of Russian 121. The course will continue to develop oral, listening, reading, and writing skills in order to acquire proficiency in Russian. (CSU/UC) (AA/AS-C, CSU-C2, IGETC-3B, 6A)

RUSS-221

Russian IV

5 UNITS

Prerequisite: "C" grade or higher or "Pass" in RUSS 220 or four years of high school Russian or equivalent.

5.0 hours lecture

Russian 221 is the continuation of Russian 220. The course will continue to develop oral, listening, reading, and writing skills in order to improve proficiency in Russian. (CSU/UC) (AA/AS-C, CSU-C2, IGETC-3B, 6A)

RUSS-250

Conversational Russian I

3 UNITS

Prerequisite: "C" grade or higher or "Pass" in RUSS 121 or three years of high school Russian or equivalent.

3.0 hours lecture

Focuses on intermediate level conversation development with vocabulary building and improvement of speaking proficiency in the context of Russian culture. Conversations are based on everyday situations and cultural events. (CSU/UC) (AA/AS-C, CSU-C2, IGETC-6A)

RUSS-251

Conversational Russian II

3 UNITS

Prerequisite: "C" grade or higher or "Pass" in RUSS 250 or four years of high school Russian or equivalent.

3.0 hours lecture

Continues to focus and expand on intermediate level conversation development with more complex and varied vocabulary building and improvement of speaking proficiency in the context of Russian-speaking culture. Conversations are based on current and cultural events. (CSU/UC) (AA/AS-C, CSU-C2, IGETC-6A)

Science (SCI)

SCI-110

Introduction to Scientific Thought

3 UNITS

3.0 hours lecture

This is a course on the methodology, history and philosophy of science for those who have a background in neither science nor philosophy. It emphasizes what scientists do and how they think by drawing on the history of physical and biological sciences. The concepts of scientific revolutions, scientific skepticism, experimental design, the ethical implications of scientific discovery, and the impact of the scientific enterprise on the world are covered. Pseudoscientific claims are investigated, with an eye toward critical thinking. The relationship between science and religion is discussed. (CSU/UC) (AA/AS-B2, CSU-A3,B1, IGETC-5A)

Sociology (SOC)

SOC-114

Introduction to Race & Ethnicity

3 UNITS

3.0 hours lecture

An introduction to the sociological analysis of ethnicity, race, and immigration in the United States. Topics include the history of racialized and minoritized groups in the United States, patterns of interaction between racial and ethnic groups, colonialism, immigration, identity formation, prejudice, discrimination, ethnocentrism, racism, institutional racism, social movements for civil rights, liberation and decolonization, and the intersection of race and ethnicity with other forms of difference. Also listed as ETHN 114. Not open to students with credit in ETHN 114. (C-ID SOCI 150) (CSU/UC) (AA/AS-D, CSU-D,F, IGETC-4,7)

SOC-120

Introductory Sociology

3 UNITS

3.0 hours lecture

Introduction to major concepts, theoretical perspectives, and methods in the study of society. Topics include social structure, culture, social control, deviance, social stratification, globalization, ethnic and racial relations, gender, sexuality, complex organizations, social institutions, the material and symbolic dimensions of human social interactions, socialization, the social construction of the self and social change. (C-ID SOCI 110) (CSU/UC) (AA/AS-D, CSU-D, IGETC-4)

SOC-125

Marriage, Family, and Alternate Lifestyles

3 UNITS

3.0 hours lecture

An introduction to the sociological analysis of families, marriages and intimate relationships. Family life and intimate relationships in contemporary American society are examined from the perspectives of different ethnic and racial groups with a focus on the intersectionality of race, class, gender and sexuality. Emphasis is placed on the analysis of the family's relationship to economic structures, political institutions and belief systems in different socio-cultural and historical contexts. Topics include: history of the family, family diversity and inequality, socialization, sexuality, child and intimate partner violence and abuse, courtship, interracial friendships and romantic relationships, singlehood, marriage, communication patterns, parenting, adoption, divorce, remarriage, stepfamilies, widowhood, aging, and the future of the family. (C-ID SOCI 130) (CSU/UC) (AA/AS-D, CSU-D,E, IGETC-4)

SOC-130

Contemporary Social Problems

3 UNITS

3.0 hours lecture

A study of contemporary American and global social problems, with emphasis on the sociological theories and scientific research methods. Topics include poverty, unemployment, global economic inequality, racism, gender inequality, health care issues, crime, war, violence, terrorism, environmental degradation and the concentration of political and economic power. A critical evaluation of policies and programs for social betterment is also presented. (C-ID SOCI 115) (CSU/UC) (AA/AS-D, CSU-D, IGETC-4)

SOC-138

Social Psychology

3 UNITS

3.0 hours lecture

An examination of individuals in social contexts to reveal how one's thoughts, feelings and actions can be influenced by other people. Includes topics such as social perception and attribution processes, dissonance reduction, altruism, aggression, prejudice, conformity, and group processes. (C-ID PSY 170) (CSU/UC) (AA/AS-D, CSU-D, IGETC-4)

SOC-140

Sex and Gender Across Cultures

3 UNITS

3.0 hours lecture

An introduction to the sociological analysis of sex, gender and sexual orientation in a variety of socio-economic and cultural contexts. The course examines the impact sex, gender and sexual orientation have on the lives of men and women from different cultures in the areas of work, ethnicity, kinship, sexuality, politics, religion, health, arts, sports and communication. Gender and sexual relations in the contemporary USA are examined from the perspectives of different ethnic and racial groups. (C-ID SOCI 140) (CSU/UC) (AA/AS-D, CSU-D, IGETC-4)

SOC-150

Latinx Communities in the United States

3 UNITS

3.0 hours lecture

An introduction to Latina/Latino Studies through a sociological examination of Latinx communities in the United States. Topics include the racialization process of Latinx communities in the U.S. and the role colonization, imperialism, white supremacy, eurocentrism, decolonization and liberation struggles played in the identity formation and social experiences of Latinx people. The course examines current family structure, gender roles and sexuality; religion; economics; political participation; institutional racism; U.S./Mexico border issues, immigration policy; and education. Focus is on the intersectionality of race/ethnicity with other forms of systemic inequalities. Emphasis is placed on social movements geared toward anti-racism, resistance, and struggle for social justice by Latinx communities. Also listed as ETHN 150. Not open to students with credit in ETHN 150. (CSU/UC) (AA/AS-D, CSU-D, IGETC-4)

SOC-215

Statistics for the Behavioral Sciences

4 UNITS

Prerequisite: "C" grade or higher or "Pass" in MATH 103 or MATH 110 or equivalent or appropriate placement beyond intermediate algebra.

3.5 hours lecture, 1.5 hours laboratory

Methods and experience in defining and solving quantitative problems in the behavioral sciences. Emphasis is on the design of experiments and the application of a variety of parametric and nonparametric techniques to the analysis of data. (C-ID MATH 110, SOCI 125) (CSU/UC) (AA/AS-A3, CSU-B4, IGETC-2A)

Spanish (SPAN)

SPAN-120

Spanish I

5 UNITS

5.0 hours lecture

An introductory course to the Spanish language and the cultures of its speakers. This course is designed for students with very little or no knowledge of Spanish. The purpose of the course is to facilitate the practical application of the language in everyday oral and written communication at the beginning novice level. Since the focus will be on basic communication skills, the class will be conducted in Spanish, as much as possible. While becoming familiar with the Spanish speaking world, students will learn structures that will enable them to communicate in Spanish in everyday contexts. (C-ID SPAN 100) (CSU/UC) (AA/AS-C, CSU-C2, IGETC-3B, 6A)

SPAN-121

Spanish II

5 UNITS

Prerequisite: "C" grade or higher or "Pass" in SPAN 120 or two years of high school Spanish or equivalent.

5.0 hours lecture

Spanish 121 is the continuation of Spanish 120. The course will continue to develop oral and written skills based on practical everyday needs. (C-ID SPAN 110) (CSU/UC) (AA/AS-C, CSU-C2, IGETC-3B, 6A)

SPAN-122

Spanish for the Native Speaker I

5 UNITS

Prerequisite: "C" grade or higher or "Pass" in SPAN 121 or equivalent.

5.0 hours lecture

Fundamentals of spoken and written Spanish for the bilingual speaker. This course is designed to help Spanish-speaking students further improve their oral and written communication skills. Emphasis on writing, reading, comprehension, and vocabulary building at intermediate level in a cultural context. Exposure to the diversity within the culture of the Spanish-speaking world. This course is designed to provide the bilingual speaker with the linguistic and learning skills required for successfully completing upper division courses in Spanish. The course will be taught in Spanish. Not open to students with credit in Spanish 220 and 221. (C-ID SPAN 122) (CSU/UC) (AA/AS-C, CSU-C2, IGETC-6A)

SPAN-123

Spanish for the Native Speaker II

5 UNITS

Prerequisite: "C" grade or higher or "Pass" in SPAN 122 or equivalent.

5.0 hours lecture

This course is designed to help Spanish-speaking students further improve their oral and written communication skills. In addition, it provides the bilingual speaker with the linguistic and learning skills required for successfully completing upper division courses in Spanish. Not open to students with credit in SPAN 221. (C-ID SPAN 230) (CSU/UC) (AA/AS-C, CSU-C2, IGETC-3B, 6A)

SPAN-141

Spanish and Latin American Cultures

3 UNITS

3.0 hours lecture

A survey of major characteristics of Spanish, Latin American and Chicano/Latino cultures as reflected in literature, the arts, philosophy, and folklore. Topics include lived experiences; traditions; family structure and gender roles; racialization and discrimination; social stratification; social struggles that led to migration; and contributions of Spanish, Latin American, and Chicano cultures in the United States. (CSU/UC) (AA/AS-C, CSU-C2, IGETC-3B)

SPAN-145

Hispanic Civilizations

3 UNITS

3.0 hours lecture

A general overview of the cultures of Spain and Latin America while directly providing an opportunity to explore the cultural richness of the Hispanic world through a particular country. The course may be offered as an on-site tour of a selected Hispanic country. (CSU) (AA/AS-C, CSU-C2)

SPAN-196

Community Service Learning Experience

1 UNITS

Prerequisite: "C" grade or higher or "Pass" in SPAN 120 or equivalent.

Community Service Learning Experience (CSLE) is a community outreach program which promotes the national agenda of volunteer engagement.

The purpose of this course is to provide the student an opportunity to practice and use the Spanish language in a community based site and to explore different career options. (CSU) 5 hours work experience per week, 60 unpaid hours or 75 paid hours.

SPAN-220

Spanish III

5 UNITS

Prerequisite: "C" grade or higher or "Pass" in SPAN 121 or three years of high school Spanish or equivalent.

5.0 hours lecture

Spanish 220 is the continuation of Spanish 121. The course will continue to develop oral, listening, reading, and writing skills in order to acquire proficiency in Spanish. Not open to students with credit in Spanish 122. (C-ID SPAN 200) (CSU/UC) (AA/AS-C, CSU-C2, IGETC-3B, 6A)

SPAN-221

Spanish IV

5 UNITS

Prerequisite: "C" grade or higher or "Pass" in SPAN 220 or four years of high school Spanish or equivalent.

5.0 hours lecture

Spanish 221 is the continuation of Spanish 220. The course will continue to develop oral, listening, reading, and writing skills in order to improve proficiency in Spanish. Not open to students with credit in Spanish. (C-ID SPAN 210) (CSU/UC) (AA/AS-C, CSU-C2, IGETC-3B, 6A)

SPAN-250

Conversational Spanish I

3 UNITS

Prerequisite: "C" grade or higher or "Pass" in SPAN 121 or 122 or 123 or 220 or 221 or three years of high school Spanish or equivalent.

3.0 hours lecture

Focuses on intermediate level conversation development with vocabulary building and improvement of speaking proficiency in the context of Spanish speaking culture. Conversations are based on everyday situations and cultural events. (CSU/UC) (AA/AS-C, CSU-C2, IGETC-6A)

SPAN-251

Conversational Spanish II

3 UNITS

Prerequisite: "C" grade or higher or "Pass" in SPAN 250 or four years of high school Spanish or equivalent.

3.0 hours lecture

Continues to focus and expand on intermediate level conversation development with more complex and varied vocabulary building and improvement of speaking proficiency in the context of Spanish-speaking culture. Conversations are based on current and cultural events. (CSU/UC) (AA/AS-C, CSU-C2, IGETC-6A)

Theatre Arts (THTR)

THTR-101

Introduction to Narrative Theory **3 UNITS**
3.0 hours lecture

This class will present students with a fundamental understanding of classical and modern storytelling theory and structure. The evolution of narrative theory of dramatic literature, and the influence of film, television and new media, will be studied. The history and relationship of societal trends and aspirations, and the effects they have had on mankind's idea of storytelling, will be examined. (C-ID THTR 114) (CSU/UC) (AA/AS-C, CSU-C1, IGETC-3A)

THTR-102A

Theatre Production Practicum: Costumes I **2 UNITS**
6.0 hours laboratory

Supervised participation in introductory level costume construction and fabrication for a Theatre Arts production. (C-ID THTR 192) (CSU/UC)

THTR-102B

Theatre Production Practicum: Costumes II **2 UNITS**
Prerequisite: "C" grade or higher or "Pass" in THTR 102A or equivalent.

6.0 hours laboratory
Supervised participation in secondary level costume construction and fabrication for a Theatre Arts production. (C-ID THTR 192) (CSU)

THTR-102C

Theatre Production Practicum: Costumes III **2 UNITS**
Prerequisite: "C" grade or higher or "Pass" in THTR 102B or equivalent.

6.0 hours laboratory
Supervised participation in intermediate level costume construction and fabrication for a Theatre Arts production. (C-ID THTR 192) (CSU)

THTR-102D

Theatre Production Practicum: Costumes IV **2 UNITS**
Prerequisite: "C" grade or higher or "Pass" in THTR 102C or equivalent.

6.0 hours laboratory
Supervised participation in advanced level costume design, construction and fabrication for a Theatre Arts production. (C-ID THTR 192) (CSU)

THTR-103A

Theatre Production Practicum: Sets I **2 UNITS**
6.0 hours laboratory

Supervised participation in introductory level scenic and stage property construction and fabrication for a Theatre Arts production. (C-ID THTR 192) (CSU/UC)

THTR-103B

Theatre Production Practicum: Sets II **2 UNITS**
Prerequisite: "C" grade or higher or "Pass" in THTR 103A or equivalent.

6.0 hours laboratory
Supervised participation in secondary level scenic and stage property construction and fabrication for a Theatre Arts production. (C-ID THTR 192) (CSU)

THTR-103C

Theatre Production Practicum: Sets III **2 UNITS**
Prerequisite: "C" grade or higher or "Pass" in THTR 103B or equivalent.

6.0 hours laboratory
Supervised participation in intermediate level scenic and stage property construction and fabrication for a Theatre Arts production. (C-ID THTR 192) (CSU)

THTR-103D

Theatre Production Practicum: Sets IV **2 UNITS**
Prerequisite: "C" grade or higher or "Pass" in THTR 103C or equivalent.

6.0 hours laboratory
Supervised participation in advanced level scenic and stage property construction and fabrication for a Theatre Arts production. (C-ID THTR 192) (CSU)

THTR-104A

Theatre Production Practicum: Lighting/ Sound I **2 UNITS**
6.0 hours laboratory

Supervised participation in introductory level lighting and sound implementation for a Theatre Arts production. (C-ID THTR 192) (CSU/UC)

THTR-104B

Theatre Production Practicum: Lighting/Sound II **2 UNITS**
Prerequisite: "C" grade or higher or "Pass" in THTR 104A or equivalent.

6.0 hours laboratory
Supervised participation in secondary level lighting and sound implementation for a Theatre Arts production. (C-ID THTR 192) (CSU)

THTR-104C

Theatre Production Practicum: Lighting/Sound III **2 UNITS**
Prerequisite: "C" grade or higher or "Pass" in THTR 104B or equivalent.

6.0 hours laboratory
Supervised participation in intermediate level lighting and sound implementation for a Theatre Arts production. (C-ID THTR 192) (CSU)

THTR-104D

Theatre Production Practicum: Lighting/Sound IV **2 UNITS**
Prerequisite: "C" grade or higher or "Pass" in THTR 104C or equivalent.

6.0 hours laboratory
Supervised participation in advanced level lighting and sound implementation for a Theatre Arts production. (C-ID THTR 192) (CSU)

THTR-110

Introduction to the Theatre **3 UNITS**
3.0 hours lecture

This course is designed to introduce students to the fundamental concepts and practices of theatre. An overview of the creative processes of theatre will provide the student with a basic insight and understanding of the art of theatre. A study of drama as a reflection of humanities ideals and aspirations will lead to the development of a theatre aesthetic. Attendance at selected performances. (C-ID THTR 111) (CSU/UC) (AA/AS-C, CSU-C1, IGETC-3A)

THTR-111A

Rehearsal and Performance: Acting I **2 UNITS**
Prerequisite: Audition

6.0 hours laboratory
Supervised participation in ensemble acting for a Theatre Arts production. (C-ID THTR 191) (CSU/UC)

THTR-111B

Rehearsal and Performance: Acting II **2 UNITS**
Prerequisite: Audition and a "C" grade or higher or "Pass" in THTR 111A or equivalent.

6.0 hours laboratory
Supervised participation in acting, utilizing fundamental skills and techniques, for a Theatre Arts production. (C-ID THTR 191) (CSU/UC)

THTR-111C

Rehearsal and Performance: Acting III **2 UNITS**
 Prerequisite: Audition and a "C" grade or higher or "Pass" in THTR 111B or equivalent.
 6.0 hours laboratory
 Supervised participation in acting, utilizing intermediate skills and techniques, for a Theatre Arts production. (C-ID THTR 191) (CSU/UC)

THTR-111D

Rehearsal and Performance: Acting IV **2 UNITS**
 Prerequisite: Audition and a "C" grade or higher or "Pass" in THTR 111C or equivalent.
 6.0 hours laboratory
 Supervised participation in acting, utilizing advanced level skills and techniques, for a Theatre Arts production. (C-ID THTR 191) (CSU/UC)

THTR-112A

Rehearsal and Performance: Stage Management I **2 UNITS**
 Prerequisite: Audition
 6.0 hours laboratory
 Supervised participation in the area of stage management for a major theatre arts production. (C-ID THTR 192) (CSU/UC)

THTR-112B

Rehearsal and Performance: Stage Management II **2 UNITS**
 Prerequisite: Audition and a "C" grade or higher or "Pass" in THTR 112A or equivalent.
 6.0 hours laboratory
 Supervised participation in the area of stage management, fundamental level, for a major theatre arts production. (C-ID THTR 192) (CSU/UC)

THTR-112C

Rehearsal and Performance: Stage Management III **2 UNITS**
 Prerequisite: Audition and a "C" grade or higher or "Pass" in THTR 112B or equivalent.
 6.0 hours laboratory
 Supervised participation in the area of stage management, intermediate level, for a major theatre arts production. (C-ID THTR 192) (CSU/UC)

THTR-112D

Rehearsal and Performance: Stage Management IV **2 UNITS**
 Prerequisite: Audition and a "C" grade or higher or "Pass" in THTR 112C or equivalent.
 6.0 hours laboratory
 Supervised participation in the area of stage management, advanced level, for a major theatre arts production. (C-ID THTR 192) (CSU/UC)

THTR-113A

Rehearsal and Performance: Production Crew I **2 UNITS**
 Prerequisite: Audition
 6.0 hours laboratory
 Supervised participation in the area of production crew for a major theatre arts production. (CSU/UC)

THTR-113B

Rehearsal and Performance: Production Crew II **2 UNITS**
 Prerequisite: Audition and a "C" grade or higher or "Pass" in THTR 113A or equivalent.
 6.0 hours laboratory
 Supervised participation in the area of production crew at a fundamental level, for a major theatre arts production. (CSU/UC)

THTR-113C

Rehearsal and Performance: Production Crew III **2 UNITS**
 Prerequisite: Audition and a "C" grade or higher or "Pass" in THTR 113B or equivalent.
 6.0 hours laboratory
 Supervised participation in the area of production crew at an intermediate level, for a major theatre arts production. (CSU/UC)

THTR-113D

Rehearsal and Performance: Production Crew IV **2 UNITS**
 Prerequisite: Audition and a "C" grade or higher or "Pass" in THTR 113C or equivalent.
 6.0 hours laboratory
 Supervised participation in the areas of production crew at an advanced level, for a major theatre arts production. (CSU/UC)

THTR-115

Voice and Movement for the Stage **3 UNITS**
 Prerequisite: "C" grade or higher or "Pass" in THTR 130 or equivalent.
 2.0 hours lecture, 3.0 hours laboratory
 Training of voice and movement through exercises using the vocal and physical instruments as they pertain to creating a character. Leading exponents of voice and movement training will be studied and applied. Emphasis placed on both individual and ensemble performance. (CSU/UC)

THTR-119A

Theatre Mime I **3 UNITS**
 2.0 hours lecture, 3.0 hours laboratory
 Basic Theatre Mime and Pantomime techniques through direct participation and demonstrations: students will learn how to act with the whole body, to communicate non-verbal statements, emotions, and characterizations. Students will work with masks, props, and music, constructing approaches to focus on movement, control, and believability. Students may also be involved in a theatre mime production. (CSU/UC)

THTR-119B

Theatre Mime II **3 UNITS**
 Prerequisite: "C" grade or higher or "Pass" in THTR 119A or equivalent.
 2.0 hours lecture, 3.0 hours laboratory
 Intermediate Theatre Mime and Pantomime techniques through direct participation and demonstrations: students will learn how to act with the whole body, to communicate non-verbal statements, emotions, and characterizations. Students will work with masks, props, and music, constructing approaches to Mime that will focus on movement, control, and believability. Students may also be involved in a theatre mime production. (CSU/UC)

THTR-122A

Theatre Workshop Laboratory: Acting I **1 UNITS**
 Prerequisite: Audition
 4.0 hours laboratory
 Supervised participation in ensemble acting and performance for a Theatre Arts production. (C-ID THTR 191) (CSU/UC)

THTR-122B

Theatre Workshop Laboratory: Acting II **1 UNITS**
 Prerequisite: Audition and a "C" grade or higher or "Pass" in THTR 122A or equivalent.
 4.0 hours laboratory
 Supervised participation in the area of fundamental acting for a Theatre Arts production. (C-ID THTR 191) (CSU/UC)

THTR-122C

Theatre Workshop Laboratory: Acting III **1 UNITS**
Prerequisite: Audition and a "C" grade or higher or "Pass" in THTR 122B or equivalent.

4.0 hours laboratory

Supervised participation in the area of intermediate acting for a Theatre Arts production. (C-ID THTR 191) (CSU/UC)

THTR-122D

Theatre Workshop Laboratory: Acting IV **1 UNITS**
Prerequisite: Audition and a "C" grade or higher or "Pass" in THTR 122C or equivalent.

4.0 hours laboratory

Supervised participation in the area of advanced level/leading roles acting for a Theatre Arts production. (C-ID THTR 191) (CSU/UC)

THTR-123A

Theatre Workshop Laboratory: Construction I **1 UNITS**
Prerequisite: Audition

4.0 hours laboratory

Supervised participation in the basic technical/construction components of a Theatre Arts production. (C-ID THTR 192) (CSU/UC)

THTR-123B

Theatre Workshop Laboratory: Construction II **1 UNITS**
Prerequisite: Audition and a "C" grade or higher or "Pass" in THTR 123A or equivalent.

4.0 hours laboratory

Supervised participation in the fundamental technical/construction components of a Theatre Arts production. (C-ID THTR 192) (CSU/UC)

THTR-123C

Theatre Workshop Laboratory: Construction III **1 UNITS**
Prerequisite: Audition and a "C" grade or higher or "Pass" in THTR 123B or equivalent.

4.0 hours laboratory

Supervised participation in the intermediate technical/construction components of a Theatre Arts production. (C-ID THTR 192) (CSU/UC)

THTR-123D

Theatre Workshop Laboratory: Construction IV **1 UNITS**
Prerequisite: Audition and a "C" grade or higher or "Pass" in THTR 123C or equivalent.

4.0 hours laboratory

Supervised participation in the advanced technical/construction components of a Theatre Arts production. (C-ID THTR 192) (CSU/UC)

THTR-124A

Theatre Workshop Laboratory: Production Crew I **1 UNITS**
Prerequisite: Audition

4.0 hours laboratory

Supervised participation in the basic management and technical crew components of a Theatre Arts production. (CSU/UC)

THTR-124B

Theatre Workshop Laboratory: Production Crew II **1 UNITS**
Prerequisite: Audition and a "C" grade or higher or "Pass" in THTR 124A or equivalent.

4.0 hours laboratory

Supervised participation in the fundamental management and technical crew components of a Theatre Arts production. (CSU/UC)

THTR-124C

Theatre Workshop Laboratory: Production Crew III **1 UNITS**
Prerequisite: Audition and a "C" grade or higher or "Pass" in THTR 124B or equivalent.

4.0 hours laboratory

Supervised participation in the intermediate level management and technical crew components of a Theatre Arts production. (CSU/UC)

THTR-124D

Theatre Workshop Laboratory: Production Crew IV **1 UNITS**
Prerequisite: Audition and a "C" grade or higher or "Pass" in THTR 124C or equivalent.

4.0 hours laboratory

Supervised participation in the advanced level management and technical crew components of a Theatre Arts production. (CSU/UC)

THTR-130

Acting I **3 UNITS**

2.0 hours lecture, 3.0 hours laboratory

This course is designed for the beginning actor, laying a foundation in the fundamental skills and methods of acting. The student will participate in exercises in reading, memorization, body/voice, and improvisation. The development of characterization thru analysis and presentation of monologues and scenes. The collaborative process and an understanding of theatrical terminologies and etiquette. (C-ID THTR 151) (CSU/UC)

THTR-131

Acting II **3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in THTR 130 or equivalent and a "C" grade or higher or "Pass" or concurrent enrollment in THTR 101 or equivalent.

2.0 hours lecture, 3.0 hours laboratory

Through scenes and monologues the student will explore physical and vocal techniques in intermediate acting with special emphasis on theory and practice, script analysis, and dissecting modern and classical language as a major interpretive tool. (C-ID THTR 152)(CSU/UC)

THTR-132

Acting for the Camera **3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in THTR 131 or equivalent.

2.0 hours lecture, 3.0 hours laboratory

This course introduces students to the techniques and skills for on-camera acting. Emphasis is placed on script/side analysis, audition techniques for television and film, character development, and on-camera performance. Students will be exposed to both the practical and artistic issues that must be taken into consideration when performing in front of a camera. (CSU)

THTR-134A

Fundamentals of Costume Design and Construction I **3 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" or concurrent enrollment in THTR 101 or equivalent.

2.0 hours lecture, 3.0 hours laboratory

This introductory course is designed to study current equipment, materials, techniques, creative theories, and applications used in the design and construction of costumes for theatre and film. Current fabric and fabric treatments will be utilized. Students will be instructed in the production of costume accessories. (C-ID THTR 174) (CSU/UC)

THTR-134B**Fundamentals of Costume Design and Construction II 3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in THTR 134A or equivalent.

Recommended Preparation: "C" grade or higher or "Pass" or concurrent enrollment in THTR 101 or equivalent.

2.0 hours lecture, 3.0 hours laboratory

This course is an intermediate study of materials, specialized techniques, creative theories and applications used in the design and construction of costumes for theatre and film. Current fabric and fabric treatments will be utilized. Students will be instructed in the production of costume accessories. (CSU/UC)

THTR-136**Theatre Makeup I 2 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" or concurrent enrollment in THTR 101 or equivalent.

1.0 hours lecture, 3.0 hours laboratory

Basic principles, applications, techniques, and design of makeup for theatre, television, and film. (CSU/UC)

THTR-137**Theatre Makeup II 2 UNITS**

Prerequisite: "C" grade or higher or "Pass" in THTR 136 or equivalent.

1.0 hours lecture, 3.0 hours laboratory

The study and implementation of advanced makeup techniques used in theatre, television, and film. Techniques will include: casting prosthesis and air brushed makeup, as well as, using water based and pressed powder makeup. Emphasis will be placed on the creation of realistic and non-realistic character development and makeup design. (CSU/UC)

THTR-140A**Costume Patternmaking I 2 UNITS**

Recommended Preparation: A "C" grade or higher or "Pass" or concurrent enrollment in Theatre Arts 134A or B or equivalent.

1.0 hours lecture, 3.0 hours laboratory

An introduction to costume design using the basic flat pattern method. Students will develop a personal master pattern, create original pattern designs, and learn to manipulate basic templates into patterns for different historical periods. (CSU)

THTR-140B**Costume Patternmaking II 2 UNITS**

Prerequisite: A "C" grade or higher or "Pass" in Theatre Arts 140A or equivalent.

1.0 hours lecture, 3.0 hours laboratory

Costume design using the flat pattern or draping method. Students will develop a personal master pattern, create original pattern designs, and learn to manipulate basic templates into patterns for different historical periods. Students will also learn specialized construction techniques for creating historical undergarments and/or outer garments. (CSU)

THTR-143**Historic Costume for the Theatre 3 UNITS**

3.0 hours lecture

Survey of historic costume in the Western World, beginning with Ancient Egypt to the end of the nineteenth century. (CSU/UC) (AA/AS-C, CSU-C1,C2, IGETC-3B)

THTR-144**20th Century Fashion and Costume 3 UNITS**

3.0 hours lecture

A survey of 20th century fashion in the western world. An in-depth study of fashion trends, designers, fabrics and accessories from 1900 to 2000. A look at how religious, political and economic conditions affect popular clothing trends and the design of theatrical costumes. (CSU/UC) (AA/AS-C, CSU-C1,C2, IGETC-3A,3B)

THTR-145**Arena Theatre Production I 2 UNITS**

Prerequisite: Audition.

6.0 hours laboratory

Supervised participation in the basic level of specialized theatre productions including community outreach tours, intersession/short term productions and student one-act play productions. (CSU/UC)

THTR-146**Arena Theatre Production II 2 UNITS**

Prerequisite: Audition and "C" grade or higher or "Pass" in THTR 145 or equivalent.

6.0 hours laboratory

Supervised participation in, the intermediate level of, specialized theatre productions including community outreach tours, intersession/short term productions and student one-act play productions. (CSU/UC)

THTR-147**Arena Theatre Production III 2 UNITS**

Prerequisite: Audition and "C" grade or higher or "Pass" in THTR 146 or equivalent.

6.0 hours laboratory

Supervised participation in, the advanced level of, specialized theatre productions including community outreach tours, intersession/short term productions and student one-act play productions. (CSU/UC)

THTR-148**Arena Theatre Production IV 2 UNITS**

Prerequisite: Audition and "C" grade or higher or "Pass" in THTR 147 or equivalent.

6.0 hours laboratory

Supervised specialized participation (including stage management, assistant director, and design) in, the advanced level of, specialized theatre productions including community outreach tours, intersession/short term productions and student one-act play productions. (CSU/UC)

THTR-155**Stagecrafts 3 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" or concurrent enrollment in THTR 101 or equivalent.

2.0 hours lecture, 3.0 hours laboratory

This course is designed to introduce students to the planning and construction of scenery for the stage, television and film. The tools, methods and materials of scenic production will be examined and put to use. Work in the scene shop for Theatre Arts Department productions is required. (C-ID THTR 171) (CSU/UC)

THTR-156**Fundamentals of Scenic Design 3 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" or concurrent enrollment in THTR 155 or equivalent.

2.0 hours lecture, 3.0 hours laboratory

This course is designed to introduce students to the fundamental theory and practice of modern scenic design, the tools that are available to scenic designers, methods of research and historical investigation for scenery and properties, the function of scenery and properties in the theatre, and modeling and rendering techniques for scenic design presentation. (C-ID THTR 172) (CSU/UC)

THTR-157**Fundamentals of Stage Lighting and Sound 3 UNITS**

2.0 hours lecture, 3.0 hours laboratory

This course is designed to introduce students to the fundamental theory and practice of modern stage lighting and sound design, functions of light and sound in the theatre, and practical experience with a wide variety of lighting and sound equipment. (C-ID THTR 173) (CSU/UC)

THTR-205**The American Musical on Stage and Screen 3 UNITS**

3.0 hours lecture

This course will introduce students to the American Musical, from its inception through its most recent live, filmed, and digital manifestations. A study of the societal movements that influence musical theatre, including demographical, socio-economic and technological trends, will be analyzed and applied. Important individual performers, producers, directors, composers and adapters will be studied. Representative theatrical productions and films will be viewed and critiqued. Observation at selected performances is required. (CSU/UC) (AA/AS-C, CSU-C1, IGETC-3A)

THTR-207**Techniques of Directing I 3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in THTR 131 or equivalent.

2.0 hours lecture, 3.0 hours laboratory

Elementary techniques of directing, including casting, rehearsal scheduling, blocking, focusing, interpreting, and translating of dramatic literature in acting; a basic study of character and environmental analysis. (CSU/UC)

THTR-208**Techniques of Directing II 3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in THTR 207 or equivalent.

2.0 hours lecture, 3.0 hours laboratory

Intermediate techniques of directing, including casting, rehearsal scheduling, blocking, focusing, interpreting, and translating of dramatic literature in acting; a comprehensive study of character and environmental analysis. (CSU/UC)

THTR-230**Acting III 3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in THTR 131 or equivalent.

2.0 hours lecture, 3.0 hours laboratory

Advanced development and strengthening of individual insights, abilities, and discipline needed to create a dramatic character on stage. Focus on collaboration and individual development, creative process, and reading skills with special emphasis on Shakespeare, Classic, and Modern Realism. (CSU/UC)

THTR-234A**Fundamentals of Musical Theatre - Performance I 3 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in THTR 130 and 205 and MUS 001 or equivalents.

2.0 hours lecture, 3.0 hours laboratory

Fundamentals of Musical Theatre-Performance is a performance-oriented course in which students learn to apply basic acting techniques to musical-theatre performance. The course will help the student integrate acting and singing training by applying acting skills to both dialogue and lyrics, thus bridging the gap between speaking and singing through the creation of a whole, unified character-one who logically and believably sings, moves and acts. The course accommodates an introduction for students with little or no previous musical-theatre experience.

Primary emphasis in this class is placed on the three basic core areas of performing: singing, acting, and movement. (CSU/UC)

THTR-234B**Fundamentals of Musical Theatre - Performance II 3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in THTR 234A or equivalent.

Recommended Preparation: "C" grade or higher or "Pass" in THTR 205 and 130 and MUS 001 or equivalent.

2.0 hours lecture, 3.0 hours laboratory

Fundamentals of Musical Theatre-Performance is a performance-oriented course in which students learn to apply intermediate acting techniques to musical-theatre performance. The course will help the student integrate acting and singing training by applying acting skills to both dialogue and lyrics, thus bridging the gap between speaking and singing through the creation of a whole, unified character-one who logically and believably sings, moves and acts. The course accommodates performing arts students with previous musical-theatre experience, and as a continuing performance forum. Primary emphasis in this class is placed on the three core areas of performing: singing, acting, and movement. (CSU/UC)

THTR-235A**Fundamentals of Musical Theatre - Scene/Song I 3 UNITS**

Recommended Preparation: "C" grade or higher or "Pass" in THTR 130 and 205 and MUS 001 or equivalent.

2.0 hours lecture, 3.0 hours laboratory

Fundamentals of Musical Theatre - Scene/Song is a performance-oriented course in which students participate in a variety of musical theatre projects incorporating basic singing, acting, blocking, and choreographed movement. During the course, students will perform basic duets, and ensemble musical scenes and songs from the musical theatre repertoire. Ballad and up-tempo songs introduce students to a body of musical theatre literature, and will be used to prepare for auditions and performance work outside of class; while duets and musical scenes help to further integrate singing, acting, and movement skills, as well as develop appreciation of the Musical Theatre as an art form requiring the synthesis and mastery of these diverse skills. (CSU/UC)

THTR-235B**Fundamentals of Musical Theatre - Scene/Song II 3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in THTR 235A or equivalent.

Recommended Preparation: "C" grade or higher or "Pass" in THTR 205 and 130 and MUS 001 or equivalent.

2.0 hours lecture, 3.0 hours laboratory

Fundamentals of Musical Theatre - Scene/Song is a performance-oriented course in which students participate in a variety of musical theatre projects incorporating intermediate level singing, acting, blocking, and choreographed movement. During the course, students will perform intermediate level duets and ensemble musical scenes and songs from the musical theatre repertoire. Ballad and up-tempo songs introduce students to a body of musical theatre literature, and will be used to prepare for auditions and performance work outside of class; while duets and musical scenes help to further integrate singing, acting, and movement skills, as well as develop appreciation of the Musical Theatre as an art form requiring the synthesis and mastery of these diverse skills. (CSU/UC)

THTR-241**Theatre Arts Technical Internship 1 UNITS**

Prerequisite: Completion of Theater Arts Technical Training Program.

Students will observe operations and work in a professional theatre center. Students will work for five hours per week, off-site, and will report progress to the Grossmont College Theatre Arts advisor on a weekly basis. All necessary paperwork will be maintained and regularly reviewed. (CSU) 5 hours work experience per week, 60 volunteer hours or 75 paid hours.

THTR-242**Theatre Arts Technical Internship 2 UNITS**

Prerequisite: Completion of Theater Arts Technical Training Program.

Students will observe operations and work in a professional theatre center. Students will work for ten hours per week, off-site, and will report progress to the Grossmont College Theatre Arts advisor on a weekly basis. All necessary paperwork will be maintained and regularly reviewed. (CSU) 10 hours work experience per week, 120 volunteer hours or 150 paid hours.

THTR-243**Theatre Arts Technical Internship 3 UNITS**

Prerequisite: Completion of Theater Arts Technical Training Program.

Students will observe operations and work in a professional theatre center. Students will work for fifteen hours per week, off-site, and will report progress to the Grossmont College Theatre Arts advisor on a weekly basis. All necessary paperwork will be maintained and regularly reviewed. (CSU) 15 hours work experience per week, 180 volunteer hours or 225 paid hours.

THTR-254A**Advanced Design I 3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in THTR 134A or 134B or 136 or 156 or 157 or equivalent.

2.0 hours lecture, 3.0 hours laboratory

Development and strengthening of insights and skills needed to undertake a theatrical design project. Special emphasis in at least one area of design introduced in Fundamentals of Costume Design and Construction, Theatre Makeup, Fundamentals of Scenic Design or Fundamentals of Stage Lighting and Sound. (CSU/UC)

THTR-254B**Advanced Design II 3 UNITS**

Prerequisite: "C" grade or higher or "Pass" in THTR 254A or equivalent.

2.0 hours lecture, 3.0 hours laboratory

Advanced development and strengthening of insights and skills needed to undertake a theatrical design project. Special emphasis in at least one area of design introduced in Fundamentals of Costume Design and Construction, Theatre Makeup, Fundamentals of Scenic Design or Fundamentals of Stage Lighting and Sound. (CSU/UC)

Divisions of the College

Allied Health and Nursing (AHN)

- Nancy Saks, DNSc
 - **Senior Dean - Allied Health and Nursing**
- Nursing
 - Deborah Chow, DNP, FNP, RN
 - **Associate Dean of Nursing**
- Program Coordinators
 - Liz Barrow
 - **Cardiovascular Technology**
 - **Telemetry / ECG**
 - Amanda Clay
 - **Orthopedic Technology**
 - Christi Vicino
 - **Occupational Therapy Assistant**
 - Carey Flores
 - **Respiratory Therapy**

Health Professions

Cardiovascular Technology

Faculty:

Barrow, Farmer, Rosen

Cardiovascular Technology is a discipline of Allied Health which specializes in the diagnosis and treatment of cardiovascular disease. Graduates of the program enter the health care profession as Cardiovascular Technologists with a specialty of Invasive, Adult Echocardiography or Vascular diagnostics. The program is composed of on-campus lecture and laboratory courses, and clinical experience in local hospitals and clinics. The Cardiovascular Program at Grossmont College is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP). Refer to Commission on Accreditation of Allied Health Education Programs (CAAHEP) in Cardiovascular Technology Associate in Science in Associate Degree Programs (<https://catalog.gcccd.edu/grossmont/associate-degree-programs-certificates/health-sciences/cardiovascular-technology-cvte/cardiovascular-technology-as/>) for further details.

Telemetry Technician/ECG

ECG/ Telemetry technicians are allied health professionals who operate electrocardiograph machines to provide physicians with data for diagnosis and treatment of heart ailments. Telemetry Technicians are employed in hospitals, clinics, and private practice offices.

The beginning ECG/ Telemetry course trains students to record basic electrocardiograms and recognize abnormalities. ECG/ Telemetry Technicians may also be required to perform pacemaker evaluation, cardiac stress-testing, Holter monitoring, and telemetry arrhythmia monitoring. The advanced telemetry courses include the theory and techniques necessary to perform these duties.

Nursing

Faculty:

Aliyev, Babini, Brooks, Dyal, Madrid, Maloney, Ngo-Bigge, Rivas, Shadroff

Nursing is a profession whose focus is the diagnosis and treatment of human responses to actual and potential health problems. The Nursing Program prepares individuals to provide professional nursing care to clients in critical, acute, chronic and out-patient settings. The Nursing Program is approved by the California Board of Registered Nursing

and is accredited by the Accreditation Commission for Education in Nursing. Refer to Accreditation Commission for Education in Nursing (ACEN) in Nursing Associate in Science in Associate Degree Programs (p. 124) for further details.

Occupational Therapy Assistant

Faculty:

Fries, Vicino

The Occupational Therapy Assistant is a health care professional who works in collaboration with a registered occupational therapist to improve functional performance in daily living activities with people who are limited by physical injury or illness, mental health problems, developmental or learning disabilities or the aging process. Treatment goals are accomplished through the use of therapeutic occupations including: manual and creative arts, daily living tasks, exercises, play/ leisure activities and simulated work tasks. The Occupational Therapy Assistant Program prepares individuals to provide services in a wide range of treatment settings including: hospitals, rehabilitation facilities, skilled nursing facilities, schools, day treatment centers, outpatient clinics and other community agencies. The Program is accredited by the Accreditation Council for Occupational Therapy Education (ACOTE), 6116 Executive Boulevard, Suite 200, North Bethesda, MD 20852-4929, phone number (301) 652-6611. Refer to Accreditation Council for Occupational Therapy Education (ACOTE) in Occupational Therapy Assistant Associate in Science in Associate Degree Programs (p. 131) for further details.

Orthopedic Technology

Faculty:

Clay, Duke, Rice

Training as an Orthopedic Technologist offers lifetime professional skills in an expanding allied health field. This program is designed to prepare graduates to perform the application, adjustment and removal of casts, splints and braces; set up and maintain all traction configurations; assist in the care of the acutely injured orthopedic patient, including wound dressings; and to assist the physician in the reduction and/or manipulation of orthopedic injuries.

Most Orthopedic Technologists are employed in either hospitals, clinics, or private practice offices. Refer to Admission: Orthopedic Technology (OT) Program in Admission Information (p. 18) for program admission requirements.

Respiratory Therapy

Faculty:

Flores, Handley, Rose

Medical Direction is provided by Dr. David Willms, Pulmonologist at Sharp Memorial Hospital, San Diego.

Respiratory Therapy is an expanding field in medical treatment. Students are trained in the treatment, management, control and care of patients with respiratory diseases or other cardiopulmonary dysfunction. Practitioners in Respiratory Therapy are involved in a wide variety of life-saving and life-supporting situations, working side-by-side with physicians and others on the health care team. Graduates enter the health care profession as a Registered Respiratory Therapist and may work in a variety of health care settings - hospitals, including acute and critical care (intensive care units - neonatal, pediatric and adult), rehabilitation diagnostic laboratories and outpatient clinics. The Respiratory Therapy Program is accredited by the Commission on Accreditation for Respiratory Care (CoARC). Graduates are eligible for licensure through the Respiratory Care Board of California (RCB) and for the entry level and advanced level practitioner exams (CRT and

RRT) through the National Board for Respiratory Care (NBRC). Refer to Respiratory Care Board of California (RCB) in Admission: Respiratory Therapy (RESP) Program in Admission Information (p. 18) for further details.

Arts, Languages and Communication (ALC)

- Vanessa Fountain
 - **Dean**
- Department Chairpersons
 - Jamie Shatwell
 - **American Sign Language**
 - Victoria Curran, Roxanne Tuscany
 - **Communication**
 - Dave Mullen
 - **Dance**
 - Jeanette Calo
 - **Media Communications**
 - Derek Cannon, Melonie Grinnell
 - **Music**
 - Kathleen Banville
 - **Theatre Arts**
 - Jennifer Bennett
 - **Visual Arts & Humanities**
 - Sonia Ghattas-Soliman, Ruth Navarro
 - **World Languages:**
 - **Arabic, Chinese, French, German, Italian, Japanese, Russian, Spanish**

The Division of Arts, Languages and Communications provides courses of study in the fine and performing arts, including studio arts, art history, dance, digital media, humanities, music, photography, and theater. Courses of study in communication include speech communication, forensics debate, media communications, American Sign Language and world languages. Courses and programs are designed to meet the needs of those seeking a degree in these fields, seeking transfer to a university, or for those preparing for careers in these fields as well as for those seeking general education or desiring to develop creative skills.

American Sign Language

Faculty:

Shatwell

The American Sign Language program offers students the opportunity to learn about the history of the language and aspects of Deaf Culture while developing skills in ASL use.

Communication

Faculty:

Akua, Castellaw, Curran, McHan, Perez, Schulmeyer, Strothers, Tuscany

Communication's basic objective is to provide experiences which lead to improved awareness, knowledge and skill in human communication. Focusing on communication behavior, the course offerings utilize the insights of the behavioral scientist, the psychologist, the communicologist, and the semanticist, as well as the rhetorician. Although the major responsibility is to serve all members of the college community, regardless of their educational objectives or occupational goals, specialized training is available for communication majors and other students with special needs and interests.

Dance

Faculty:

Mullen

Dance is the language of movement, which serves as a means of communication and expression basic to all individuals.

The dance department offers a diverse selection of movement styles and dance genres. Emphasis is placed upon proper alignment, kinesthetic movement principles, and theory to support a variety of dance forms.

Opportunities are provided for all interested persons to develop their dance skills and movement potential. Courses are designed to fill the general need and will also allow for intensive study in a particular area.

The Associate Degree in Dance program is designed to provide training for transfer to similar programs at four-year institutions and will prepare the student for employment in a variety of areas of dance. The department also offers a Certificate of Achievement in Dance. Biannual faculty and student choreographed dance concerts provide students choreography and performance opportunities. The dance curriculum includes courses in ballet, modern dance, jazz, tap, hip hop, musical theater dance, choreography, improvisation, pointe, Pilates, dance history, and dance theater performance.

Students who plan to pursue a dance major should confer with the department chair.

Media Communications

Faculty:

Ahearn, Calo, Wirig

The area of Media Communications (MCOM) includes Audio Production, Cross-Media Journalism, and Video Production. Production courses in each emphasis are conducted with state-of-the-art equipment. In these courses, students learn to write and produce program material, operate studio-quality equipment, and function within media communications production organizations.

Audio Production students can choose between *Audio Multi-track Production* and *Radio Broadcasting*, preparing them for careers in music and broadcast industries. Cross-Media Journalism courses are designed to make students aware of the impact of the news media on their lives and to develop competency in the numerous skills demanded of today's journalists. Students enrolled in Video Production courses learn the process of visual storytelling, from creating short films and documentaries to making music and marketing videos.

MCOM students can serve on the staff of Griffin Radio, the college's radio station, and The Summit, the college's news website and print magazine. They can also develop and record newscasts and podcasts. Many graduates of the MCOM program go directly to employment positions in broadcasting, corporate communications, and digital media production companies, or transfer to four-year universities.

Music

Faculty:

Cannon, Grinnell, Tweed

The two-year major in music will prepare a student for transfer to a four-year institution for completion of an elementary or secondary teaching credential; a major in jazz, music history, theory or composition; or an applied music degree. In addition, the music staff welcomes all persons interested in continuing their development of skills and appreciation of music by enrolling in any of the technical or performance classes.

The music curriculum of the college includes courses in harmony, counterpoint, ear-training, keyboard, sight-singing, and music appreciation. Class study is offered in voice, piano, classical guitar, strings, brass, woodwind and percussion. Performing groups include Symphony Orchestra, Concert Band, Jazz Ensemble, Guitar Ensemble, Master Chorale, Vocal Jazz Ensemble, String Orchestra, Middle Eastern Ensemble and Afro-Cuban Ensemble.

The performing organizations provide a variety of programs for student and community interest. The student recitals and annual Winter and Spring Concerts offer cultural opportunities to both performers and audiences.

Students who plan to follow a music major course should contact the Music Department office before or during registration in order that prerequisites and placement obligations are clearly understood. Music majors are expected to participate in at least one performing group each semester.

Theatre Arts

Faculty:

Banville, Everett

The Grossmont College Theatre Arts Department provides a professional environment for holistic theatrical training. Our curriculum strives to provide the essential lower division courses needed to transfer to four-year institutions along with the skills for immediate employment in the entertainment industry. With a focus on equity, inclusion and outreach we prepare our diverse student population to strive for artistic and academic excellence. General Education classes also offered in the areas of Theatre Appreciation and Costume History, as well as Narrative Theory. Specialized performance areas include: Voice and Movement for the Stage, Acting for the Camera, and Musical Theatre. Several different avenues are available for student involvement in productions including on-site productions, touring/off-site productions, and summer productions. No theatre student is completely equipped without at least a passing knowledge of the total requirements of all the areas necessary to produce and present stage productions. Those interested in pursuing an Associate Degree are encouraged to contact the Theatre Arts Department for clarification on prerequisites and course offerings.

Visual Arts & Humanities

Faculty:

Art History – Finnegan de Molina

Ceramics – Gray

Humanities – Davies-Morris, Mapes

Painting and Drawing – Bennett

Photography – Turounet

Sculpture/Jewelry – Rainbolt

Art History explores the creative production of cultures and individuals from the ancient world to contemporary times. Works of art and monuments are studied with regard to their historical context – religion, culture, politics, and technology with the goal of understanding and distinguishing characteristics of style belonging to art historical periods, artists, works of art, and media.

Ceramics Ceramic form and technique are explored through experiences in hand building and wheel throwing. Ceramic history and cultural traditions, aesthetics, and many processes and techniques of pottery and sculptural ceramic forms are examined. The study of ceramics involves both theory and practice and can relate in many ways to other aspects of life.

Digital Art is an evolving medium that fuses traditional concepts of composition and art making with newer digital methodologies. Using significant technologies and image making processes, Digital Art students explore a wide range of digital tools and compositional devices to learn how to employ computers to produce powerful images and animations.

Drawing, Painting, and Printmaking provide students with a two-dimensional art foundation to increase aesthetic awareness and abilities to generate, solve, and respond to visual information. Techniques, materials, and methods of the practice and critical discourse of representational and contemporary art are explored in a cultural context of visual arts as a vehicle of expression.

Humanities (studia humanitas) courses use analytic and critical thinking skills to read, write, and study that which pertains to the human condition, with particular focus on the liberal arts (e.g., literature, art and art history, philosophy, religion, music, architecture, anthropology and archaeology, theory, etc.). Humanities attempts to discover and make sense of the world through interdisciplinary and chronological viewpoints.

Photography provides students an in-depth study into the practice and critical discourse of photography, photographic seeing and lens-based culture as a visual document of creative expression and communication. The fundamentals of analog and digital photography are set within a series of foundation, intermediate and advanced courses which reference the rich history of the medium as well as contemporary practice, providing students the opportunity to complete an Associates of Arts degree or a Certificate of Achievement.

Sculpture/Jewelry includes 3-D design, jewelry design, and sculpture courses emphasizing study in the various physical methods and conceptual theories used to produce three-dimensional art. Sculpture students explore a wide range of media in both an historical and contemporary viewpoint, ranging from traditional object-making to art in a public context.

World Languages

Faculty:

Crespo, Ghattas-Soliman, Ireiqat, Navarro, Vincent, Young

In a world that is increasingly interdependent, we can no longer afford to remain monolingual. Success depends in large measure on the ability of an individual to function as a member of a global village whose members speak a variety of languages. Learning foreign languages is no longer a pastime: it is a necessity. How does learning a foreign language help you to meet today's challenges?

The Study of a Foreign Language

- helps you to expand your view of the world
- encourages critical reflection on the relation between language and culture, language and thought
- expands your opportunities for meaningful leisure activities (such as travel, viewing foreign language films, watching foreign TV programs)
- develops your intellect (encouraging good learning habits, memorization, combining course content and skills in a meaningful way)
- improves knowledge of the native language (through comparison and contrast with the foreign language)
- exposes you to modes of thought and viewpoints that are available only in the foreign language and its culture
- helps to build practical skills that may be used in other disciplines

- fosters your understanding of the interrelation between language and human nature
- teaches and encourages respect for other ethnic groups
- contributes to the development of your personality
- contributes to the achievement of national goals, such as economic development or national security

At Grossmont College, world languages are presented as a major for the specialist, as a required introduction for the transfer student, and as a source of personal development for the student seeking general education.

Language learning is presented in the sequence of listening, speaking, reading and writing, yet never losing sight of the cultural aspects. While developing oral skills, the student gains background in reading and writing and related cultural aspects adequate to successfully continue his/her language studies elsewhere and to apply his/her language skills in practical situations.

Ordinarily, the student with two years of high school language will enroll in level two in college; three years of high school language, level three; and with four years of high school language in level four.

There is a prerequisite exam that may be taken at the Assessment Center (Bldg 10-Room 172) for the student who does not know their level or does not have transcripts or documentation.

Career and Technical Education/Workforce Development (CTE/WD)

- Javier Ayala, Ph.D.
 - **Dean**
- Department Chairperson
 - Kelly Menck
 - **Administration of Justice**
 - Brian Keliher
 - **Business Administration**
 - Hau Nguyen
 - **Computer Science Information Systems**
- Program Coordinator
 - Donna Dixon, Sosha Thomas
 - **Business Office Technology**
 - Robin Sepulveda
 - **Child Development, Education and Family Studies**
 - James Foran
 - **Culinary Arts**
 - Eva Nicasio
 - **Global Trade, Hospitality & Tourism Management, International Business, Management, Marketing, Retail Management**

The Division of Career and Technical Education/Workforce Development offers a variety of associate degree and certificate programs and courses which prepare students for careers, career upgrade and for transfer to four-year colleges and universities.

Administration of Justice

Faculty:

Menck, Sampson, Stewart, Young

Administration of Justice (AOJ) Department, also known as Public Safety and Security Programs, offers a variety of degrees, certificates, and courses. The program includes four major Areas of Emphasis:

Law Enforcement, Corrections, Forensic Technology, and Security Management. An Associate of Science-Transfer Degree is also available which provides priority registration to SDSU & CSU Criminal Justice degree majors. In addition to the areas of emphasis, the department presents a Security Academy, Public Safety Dispatch and in-service training. All programs are designed for career-oriented students or transfer to four-year institutions. For detailed information, view the AOJ website at <https://www.grossmont.edu/aoj> (<https://www.grossmont.edu/aoj/>).

Business

Business education is among the largest and most popular fields of study. In many of the programs, community business leaders work cooperatively with the college staff to provide an on-site educational experience. Grossmont's programs are divided into the following three areas:

Business – Administration

Faculty:

Barendse, Hern, Keliher

Business Administration is the program intended for those students planning to transfer to a four-year college in any business area.

Business Office Technology

Faculty:

Dixon, Keane, Thomas

This program prepares students for employment in today's technology intensive offices. Students complete courses for either the Administrative Assistant or Executive Assistant major. Computer training is emphasized and is offered online, hyflex and on campus. The comprehensive series of Microsoft Office courses prepares students to take the Microsoft Office User Specialist (MOUS) Certification Examination. Students also complete internships with local employers. Graduates of the program will be prepared to work with management in all types of business environments. The Business Office Technology program also offers several certificates of proficiency in a variety of specialties including Medical Office Assistant which provides students the necessary skills to gain employment in a variety of medical office environments. Students successfully completing the certificate will be qualified to seek employment as: Medical office receptionists, hospital admitting clerks, medical insurance billers, to name a few. <https://www.grossmont.edu/academics/programs/bot/opt.php>

Child Development, Education and Family Studies

Faculty:

Sepulveda, Soltero

Child Development, Education and Family Studies offer a range of courses for family and life management, parenting, lifelong learning and opportunities for employment in the field of Early Childhood Education and related areas. Several courses in Child Development, Education and Family Studies can be used to fulfill general education requirements and most are transferable to four-year colleges and universities.

The Child Development program is designed for persons seeking employment in the child development field as teachers, directors, and owners of preschools and child care centers including infant/toddler programs. Courses meet requirements for Community Care Licensing and the California Commission on Teacher Credentialing Child Development Permits. We operate an on-campus child care program providing care for

children of students and employees of Grossmont College and serving as a lab school for students who are enrolled in child development courses.

The Education Department serves to facilitate those seeking careers in teaching. Course offerings augment the general education program required for transfer to a four year institution.

Family Studies offers courses designed to help individuals manage their lives more effectively. Family Studies addresses contemporary issues such as changing family styles, time and stress management, development through the life span and aging. Family Studies is dedicated to enabling individuals to develop skills that improve the quality of life.

Child Development, Education and Family Studies also operate the Foster Adoptive and Kinship Care Education program providing training and support groups throughout the county in collaboration with the local region's Community Services for Families agencies.

Further information on these programs is available on the website: <https://www.grossmont.edu/childdevelopment> (<https://www.grossmont.edu/childdevelopment/>).

Computer Science Information Systems

Faculty:

Bell, Gillespie, Hotz, Nguyen

The CSIS Department delivers quality education to students based on a comprehensive, relevant curriculum that provides students with the ability to transfer, enter the workforce, promote and maintain life-long learning.

This is a comprehensive and well-equipped program leading to proficiencies in computer programming, web design, and Local Area Network support specialist. Expanding opportunities in computer and information science make these programs increasingly popular.

Culinary Arts

Faculty:

Carlone Baker, Foran, Rossi

This program prepares students for employment in today's food service/hospitality industry. Students may earn either a Certificate of Achievement, a Culinary Arts degree or a Pastry Arts degree. Graduates of the program enter an industry filled with expanding opportunities as executive chefs, banquet chefs, restaurant chefs, personal chefs, pastry chefs, caterers, kitchen and restaurant managers, line cooks, prep cooks, banquet cooks and also as owners of their own food service operation. The program is composed of on-campus lecture and lab courses. Some coursework is transferable to four-year institutions.

Global Trade, Hospitality & Tourism Management, International Business, Management, Marketing, Retail Management

Faculty:

Nicasio

Programs in this area include Marketing, Management, International Business, Global Trade, and Retail Management. Many of the majors in this area include on-site cooperative work experience with local employers.

Counseling (COUN)

- Martha Clavelle
 - **Dean**
- Department Chairperson

- Gary Johnson
 - **Counseling**

Division of Counseling includes: General Counseling, Career Center, Transfer Center, EOPS/CARE/CalWORKS, Dream Center, Accessibility Resource Center (A.R.C.), International Students, and Veteran Center. These programs are fully described in the Student Services section of this catalog or online at <https://www.grossmont.edu/counseling> (<https://www.grossmont.edu/counseling/>).

General Counseling

Faculty:

Aceves, Allen, Aloka, Ayala, Bushfan, Canady, Corona-Batalona, Cruzado, Cuevas, Decker, Dillon, Heidari, Hellon, Johnson, Macias, Martinez, Moore, Morente, Patnaik, Ramirez, Ray, Silva, Taji, To, Toral

Counselors provide services designed to help people become more acutely aware of their values, interests and abilities, thus enabling them to take maximum advantage of educational and vocational opportunities.

Counselors strive to establish a counseling relationship conducive to self-exploration, creative problem-solving, the development of meaningful relationships with others, experiencing newness and change, accepting personal responsibility and the development of individualized educational and/or vocational plans.

Students are encouraged to avail themselves of counseling services by making an appointment online at the reception desk in the Counseling Center, or by calling (619) 644-7208. Questions requiring short answers usually can be answered by the counselor on duty in the lobby of the center, online, or by staff when calling the center. Persons with emergencies are seen promptly.

English and Social/Behavioral Sciences (ESBS)

- TBD
 - **Interim Dean**
- Department Chairpersons
 - Lara Braff, Michael Bacon, Israel Cardona Gerena
 - **Behavioral Sciences:**
 - **Anthropology, Psychology, Sociology**
 - Michelle Crooks, Alan Traylor
 - **English**
 - Mark Poupard
 - **English as a Second Language**
 - Natalye Harpin, Raymundo Quezada
 - **Ethnic, Gender, & Social Justice; Ethnic Studies, Gender Studies** (formerly Cross-Cultural Studies Program)
- Angela Feres
 - **History**
- June Yang
 - **Philosophy, Religious Studies**
- Ricardo Crespo
 - **Political Economy:**
 - **Economics, Political Science**

Courses in the English and Social/Behavioral Sciences Division are designed to develop the reading, writing, speaking, listening, and thinking skills necessary for effective critical analysis and understanding of the complex interrelationships of people and institutions in this world of diverse cultures and perspectives. The dynamic social, political, economic, philosophical, and linguistic patterns of our world challenge us to examine information in a scientific manner within the proper historical

context. The departments within the English and Social/Behavioral Sciences Division strive to bring the tools of scientific methodology into the study of cultures and people, past and present, through the disciplines of anthropology, ethnic and gender studies, economics, English, English as a second language, history, philosophy, political sciences, psychology, religious studies, and sociology. Many courses satisfy general education requirements at Grossmont and at four-year colleges and universities. In addition, the courses offered fulfill some or all lower division requirements for a variety of majors.

Anthropology

Faculty:

Braff, Yoshida-Levine

Anthropology is the study of all aspects of the human species, spanning the time from the earliest human ancestors to contemporary societies. In seeking to understand human diversity anthropologists take an extremely broad approach, emphasizing both biological and cultural aspects of humanity. Anthropology is traditionally organized into four subfields: cultural anthropology, physical anthropology, archaeology, and linguistic anthropology.

Coursework in anthropology is a valuable component of a liberal arts education. Students of anthropology learn to develop a broad perspective on humanity, apply scientific research methods, and work effectively in a multicultural environment. These competencies can help students succeed in a global society.

Economics

Faculty:

McGann, Myers, Shahrokhi

Economics students study the major types of economic systems in the world, the ways economic/political decisions are made, and the outcomes of those decisions.

English

Faculty:

Balasubramanian, Bellinghiere, Brown, Cardenas, Cervantes, Crooks, Deutsch, Griffith, Harris, Hurvitz, Jendian, Ledri-Aguilar, Miller, Nolen, Roe, Sherlock, Sow, Steliga, Traylor

The study of English engages the student both as reader and as writer. As reader, the student explores the traditions of literary form and thought characteristic of western and other world civilizations. As writer, the student practices methods of imposing order on ideas and expressing those ideas in an effective manner. Although a literature course emphasizes literary excellence in the works of others and a composition course concentrates on the student's writing skills, both encompass the entire communication process. Thus the student of English learns to appreciate not only the historical evolution of literary art but also the interrelationship of process, form, and content in composition, thereby becoming both a more perceptive reader and a more proficient writer.

English as a Second Language

Faculty:

Aylett, Carroll, Ferguson, Gorokhova, Poupard

The goal of English as a Second Language (ESL) instruction is to help students succeed in college and at work. To meet the needs of individual students, courses are offered at five proficiency levels, and all language skills are taught: listening, speaking, reading, writing, and grammar. Orientation to American culture is integrated into the courses. ESL

placement assessment sessions are provided so students know at which level to begin the program.

Ethnic, Gender & Social Justice; Ethnic Studies, Gender Studies

Faculty:

Harpin, Quezada

The Ethnic, Gender, and Social Justice Studies Department houses courses in Chicana/o/x, Black, Native-American, and Womens' and LGBTQ Studies. All are transferable and count toward GE; tag transfer agreements (CSU) allow students to complete the lower-division requirements for a major or minor in the above disciplines. Certificate of Proficiency for ETHN-115 Introduction to Cultural Competence (Cross-Cultural Competence) proves proficiency in working and communicating in a diverse society.

History

Faculty:

Contreras, Ennis, Feres, Henry

History is the study of the documented past to acquire understanding into the world's institutions, ideas, values and creations. The study of history constitutes all aspects of human endeavor including the arts, sciences, technology, economics, politics, war, ideology, culture and society. History also examines the diverse contributions of all gender, socio-economic, racial, ethnic and regional groups in shaping the drama and dynamism of the human experience. From the analysis of historical evidence, students develop the oral, written and critical thinking skills to interpret and communicate the deeper meanings of historical events and people. Studying history also provides the appropriate context for students to grasp the major issues, challenges and conflicts of our present time. This enables more informed debate and discourse in today's world.

Philosophy and Religious Studies

Faculty:

Burke, Yang

Philosophy is the study of knowledge, reality, human values, and logic. In our times, there is a renewed urgency to separate truth from distortion, establish moral truths, and assess proper reasoning. Philosophy strives to meet these needs. Students of philosophy excel at critical thinking, and at critiquing and improving world views and theories within many disciplines. Additionally, philosophy students are well-equipped to enter various careers, as well as graduate school, especially in law and medicine.

Our Religious Studies courses cover Buddhism, Hinduism, Confucianism, Islam, Christianity and Judaism. Additionally, we cater our courses and course availability to student demand. We offer Introduction to the New Testament and expanded course offerings as our enrollment has increased. This subject area assists students to appreciate religion as the powerful force of culture that it is. Additionally, our courses offer invaluable theoretical tools for assessing the ideas of an age witnessing the resurgence of religion and spiritualism.

Political Science

Faculty:

Braunwarth, Crespo, Myers

Political Science courses are designed to help the student understand the political environment in which we live, the political processes for decision

making, the vital participatory role of citizens in our democratic political system, and the great political issues of our day.

Psychology

Faculty:

Bacon, Chafin Arenz, Pak, Ramos, Thukral

As the science of behavior and mental processes, psychology is an academic discipline that emphasizes the study of the individual organism. Standing at the interface between the biological sciences and the social sciences, psychology seeks to investigate such topics as brain and neural functioning, development throughout the life span, sexuality, learning, perception, states of consciousness, memory, cognitive processes, motivation, emotion, personality, abnormal behavior, psychotherapy, and the effects of the group on the individual.

Sociology

Faculty:

Cardona Gerena, Diaz, Soto

Sociology is the scientific study of human societies and of the behavior in the groups that make up a society. It offers perspectives, tools, data, and concepts that enable the student to creatively, thoughtfully, and systematically investigate the social environment.

Learning and Technology Resources (LTR)

- Tate Hurvitz, Ph.D.
 - **Interim Dean**
- Department Chairperson
 - **Library**
 - **Julie Middlemas**
 - **Faculty:**
 - **Farina-Hess, Kalker, Middlemas, Owens**

Library, Media Desk, Video Viewing, Interlibrary Loan (ILL), Distance Education, Instructional Media Services, Learning Assistance Centers, Tutoring Center, Success Coaches, and Instructional Computing Services

The Learning and Technology Resource Center is building 70 and is located in the middle of campus. (See map on the inside of the back cover.) The Center provides a broad range of services that are constantly adapting to students' changing educational needs and learning styles as well as advances in technology.

The Library occupies the north end of the building (enter from Library entrance). Designed as a study environment, it provides easy access to instructional materials along with multiple study carrels, tables, group study rooms, computer stations, laptops, lounge chairs, and a copy center. The Library collections are both print and electronic and provide access to over 100,000 books, periodicals, databases, DVDs and streaming media. The library resources are available on and off campus via the library homepage at <https://www.grossmont.edu/library> (<https://www.grossmont.edu/library/>).

Librarians provide a variety of information services. At the reference desk located on the 1st floor, librarians guide students in selecting the best resources, and assist students in developing research strategies for papers and reports. The librarians' aim is to help students become more confident and self-sufficient in their use of information resources. Library Instruction is provided in the Library Instruction Lab (LIL; Room 267) at instructor's request or via an online tutorial in Canvas. The library also offers information literacy courses.

Interlibrary Loan (ILL) services include access to books, and articles from colleges and universities throughout the country.

The **Media Desk** is located on the 1st floor of the library and provides students and faculty with access to a variety of course-related DVDs and Media Reserves materials. Individual viewing carrels and audio/ visual equipment are available.

Instructional Media Services provides assistance to faculty with classroom technology, including smart carts, LCD projectors and document cameras. IMS also provides audio-visual support to campus-wide events. Services must be requested at least 2 weeks in advance using the event request form link: <https://www.grossmont.edu/technology/ims> (<https://www.grossmont.edu/technology/ims/>).

Distance Education is a flexible and convenient opportunity for self-motivated students. Resources are available for students at the Online Success website that helps students determine whether online learning is right for them: <https://www.gcccd.edu/online> (<https://www.gcccd.edu/online/>). Faculty develop a variety of online and hybrid courses which are mainly delivered via the Learning Management System, Canvas.

Instructional Computing Services (ICS) provides support and management of faculty office systems and academic computers and servers campus-wide.

Success Coaches are located on the second floor of the Tech Mall in the Learning and Technology Resource Center (Building 70, Rooms 205 and 206). Success Coaches assist students who may be facing difficulties in reaching their educational goals by helping them connect with and navigate appropriate resources. Visit <https://www.grossmont.edu/successcoach/> for more information.

Learning Assistance Centers

There are numerous Learning Assistance Centers located throughout the campus. Information on these centers can be found on the website: <https://www.grossmont.edu/tutoring> (<https://www.grossmont.edu/tutoring/>). These centers provide students with various levels of assistance, tutoring and computer access. The majority of these services are located in the Tech Mall, which is located in the Learning & Technology Resource Center. Please ask your instructor about access requirements.

English Writing & Humanities Center (EWHC) is part of the English Department and is located on the first floor of the Tech Mall. Staff includes English reading and writing skills peer tutors, as well as humanities tutors. The EWHC's provides tutoring support to all Grossmont College students in reading, writing, and critical thinking for all courses.

Math Study Center (MSC) is located on the first floor of the Tech Mall in Room 70-112. The MSC is a part of the math department and provides walk-in, individual, group, and computer-aided tutoring for all levels of Math.

Open Computer Lab (OCL) is located on the 1st floor of the Tech Mall and occupies the center of the south side of the building. This is the only general use computer lab on campus and supports a number of programs. There are approximately 175 PCs available for students to access word processing applications, subject-specific software, database applications, and computer-aided instructional applications. Printing and scanning are also available.

Tutoring Center is located on the 2nd floor of the Tech Mall and provides group and one-on-one tutoring for all subjects. Tutoring is by appointment only. Study rooms are also available for group tutoring.

Mathematics, Natural Sciences, Exercise Science and Wellness (MNSESW)

- Shawn Hicks
 - **Dean**
- Department Chairpersons
 - Selene Miles
 - **Biological Sciences**
 - Diana Vance
 - **Chemistry, Science**
 - Tim Cliffe, Mark Goodman
 - **Earth Sciences:**
 - **Geography, Geology, Oceanography**
 - Randy Abshier
 - **Exercise Science and Wellness**
 - Jenny Vanden Eynden, Susan Working
 - **Mathematics**
 - Sebastien Cormier
 - **Physical Sciences:**
 - **Astronomy, Physical Science, Physics**
- Program Coordinator
 - Cheryl Kerns-Campbell
 - **Health Education/Nutrition**

The Division of Mathematics, Natural Sciences, and Exercise Science and Wellness includes Astronomy, Biological Sciences, Chemistry, Exercise Science, Geography, Geology, Health Education, Mathematics, Oceanography, Physical Science, Physics, and the philosophy of Science. Some courses satisfy general education requirements at Grossmont College and at four-year colleges and universities. In addition, the courses offered fulfill lower division requirements for a variety of majors.

Astronomy, Physical Science, Physics

Faculty:

Blanco, Carter, Cormier, Fitzgerald

The Department of Astronomy, Physical Science, and Physics offers classes suited for a general education in science and for career preparation in math, science, medicine and engineering. Fundamental physical principles are discussed and applied to the universe around us.

ASTR-110 Descriptive Astronomy, ASTR-112 General Astronomy Laboratory, ASTR-120 Exploration of the Solar System, PSC-100 Physical Science for Elementary Education, PSC-110 Introduction to the Physical Sciences, PSC-111 Introduction to Physical Sciences Laboratory, and PHYC-110 Introductory Physics are specifically directed toward the general education of students majoring in fields other than math and science. PSC-100 Physical Science for Elementary Education is designed to prepare students for a career in elementary education. PSC-120 Fundamentals of Scientific Computing (MATLAB) prepares students to perform scientific computation in industry and research.

PHYC-130 Fundamentals of Physics-PHYC-131 Fundamentals of Physics is a two-semester calculus based sequence directed toward students planning careers in biology and medicine. A three-semester calculus based sequence, PHYC-201 Mechanics and Waves-PHYC-202 Electricity,

Magnetism, and Heat-PHYC-203 Light, Optics, and Modern Physics, is directed toward students planning for careers in physics and engineering.

In lab classes, students work collaboratively to gain hands-on experience with principles discussed in class.

Biological Sciences

Faculty:

Alagia, Altamero, Holden, Miles, Miller, Perchez, Ripley, Shearer

The Biological Sciences curriculum at Grossmont College has two principal objectives upon which its program is based. The first is general education and the belief that the educated person should have an opportunity to learn characteristics and attributes common to all life, if he/she is to understand his/her own place among living things.

A corollary to this is the increasingly obvious need to develop attitudes which permit people to live in harmony with their environment. Information concerning problems with a biological base, such as the population explosion, pollution, people's role in maintaining the biosphere, the energy crisis and resources conservation, are examples of general education topics for which biology teachers assume responsibility.

Six courses: BIO-105 Marine Biology, BIO-110 Environmental Biology, BIO-112 Contemporary Issues in Environmental Resources, BIO-114 Heredity, Evolution and Society, BIO-118 Introduction to Human Biology, BIO-120 Principles of Biology, are specifically oriented to general education. Each of these courses satisfies the science requirements for graduation. It is suggested that students majoring in areas other than life science satisfy their graduation requirements by enrolling in BIO-105 Marine Biology, BIO-110 Environmental Biology, BIO-112 Contemporary Issues in Environmental Resources, BIO-114 Heredity, Evolution and Society, BIO-118 Introduction to Human Biology, or BIO-120 Principles of Biology.

The second objective is that of preprofessional training. Courses are offered which are applicable to a variety of major fields in the life sciences ranging from general biology, ecology, forestry or zoology to various health sciences, such as premedicine, nursing, or preveterinary science. Such courses include: BIO-140 Human Anatomy, BIO-141 Human Physiology and BIO-141L Laboratory in Human Physiology, BIO-144 Anatomy and Physiology I and BIO-145 Anatomy and Physiology II, BIO-152 Paramedical Microbiology, BIO-215 Statistics for Life Sciences, BIO-230 Principles of Cellular, Molecular and Evolutionary Biology, and BIO-240 Principles of Ecology, Evolution and Organismal Biology.

Students majoring in a biological or health professions field are advised to check the program requirements of the college to which they plan to transfer for course equivalency or special course requirements at those particular schools. Students should also be cognizant of the prerequisites of preprofessional courses and are encouraged to consult with a Grossmont counselor regarding lower division biology, chemistry, mathematics or physics requirements.

Chemistry

Faculty:

Joshi, Larter, Lehman, Olmstead, Vance

The courses offered by the Chemistry Department give students an appreciation for the depth and breadth of chemistry. We provide separate academic tracks for the transfer student, for those in the Allied Health Programs and for those seeking to fulfill general education requirements. Students are trained to find rational explanations for phenomena, consider relationships among various disciplines, and develop self-

reliance in seeking answers. Through this approach students develop a better appreciation and understanding of our world.

Coursework is designed to provide a theoretical as well as a practical education. Students have the opportunity to apply chemistry in a world of rapidly changing technological growth.

Laboratory experiences give students direct, hands-on understanding of Chemistry. In addition, performing experiments allows students to participate in “discovery” learning and hone scientific techniques.

Exercise Science and Wellness, Health Education, Nutrition

Faculty:

Abshier, Aylward, Caires, Ivers, Jordan, Kelley, Kerns-Campbell, Larsen, Weber

The Exercise Science and Wellness, Health Education, and Nutrition Department provides a comprehensive, evidence-based approach to optimizing health and preventing chronic disease through diet, physical activity and health-promoting behavior. The department offers a multidisciplinary curriculum centered on the concept that movement skills, intellectual development, physical fitness, healthful living, and dietary practices are elements of life that must be taught and reinforced.

Courses in Exercise Science explore how physical activity impacts skill acquisition, disease prevention, fitness, and sport. These courses emphasize knowledge, skills, and practice techniques that enable students to improve their physical fitness through sequential progressions in the learning process.

Health Education curriculum is approached within two main categories- Personal health and public health. Personal health course topics include exercise, nutrition, stress management, substance abuse, reproductive health and disease prevention. Public health discipline focuses on factors that influence health and disease from a societal-based perspective. Core concepts include epidemiology, infectious disease, environmental health, and healthcare policy along with discussion of public health career opportunities. Both Personal and Public health courses challenge the student to understand the importance of making informed, proactive choices that will directly impact one's own health as well as that of society.

Nutrition is the scientific study of food and how it nourishes the body. Coursework in nutrition explores both the art and science of food, from digestion and metabolism to healthy meal patterns throughout the lifespan. The curriculum also covers the influence of culture on dietary practices, the principles of food preparation, diet strategies for optimal sport and athletic performance, and career options within the nutrition and dietetics profession.

In addition, our department offers nutrition courses for students planning transfer to local colleges with four-year didactic programs in dietetics (DPD). These programs prepare students to become Registered Dietitian Nutritionists (RDNs). *Note that beginning in 2024, a minimum of a graduate degree will be required to sit for the registration exam to become an RDN.*

The Exercise Science and Wellness, Health Education, and Nutrition Department offers courses to meet the General Education, Associate of Art, and Associate of Arts Transfer degrees. In addition, these courses create a solid foundation for a baccalaureate major in Kinesiology, Health Education, Nutrition, or related fields.

Geography

Faculty:

Cliffe, Curran, Goodman, Therkalsen

Geography courses are designed to help the general student understand the physical and cultural world. As a field of knowledge dealing with spatial relations and processes on the earth's surface, the study of geography leads to an understanding of human distribution over the earth, of the various uses to which we have put different parts of it, of cultures and economies created, and of the spatial interrelations which exist between, and have influenced, these patterns. Thus, geography has a fundamental place in the equipment of an educated person.

The discipline of geography has been traditionally divided into two main categories, the physical elements and the cultural elements. Physical Geography deals with landforms, soil, earth-sun relationships, weather, climate, natural vegetation and natural resources. Cultural Geography deals with populations, languages, religions, race, economics, settlement types and regions. Specialized courses from the physical and cultural elements are also offered.

Geology

Faculty:

Cliffe, Teachout

The geology program offers basic instruction in geology and related subsiences (geophysics, physical and historical geology technology). Students are urged to search for rational explanations of physical processes, to realize interdisciplinary approaches involved, to develop means of exploring, understanding, appreciating, enjoying and protecting their environment.

Coursework is designed to provide a liberal as well as a practical education for both majors and nonmajors, to show what geology is and what geologists do, and to impart a degree of skill and ability for understanding current technology.

Laboratory methods and observations in the field augment formal classroom work to enable the student to participate in direct observation, exploration and understanding of geological investigations and techniques.

Mathematics

Faculty:

Capacia, Davis, Funk, Giles, Greenheck, Hicks, Lee, Lines, Manchester, Millan, Munoz, Palacios, Rawlings, Sundblad, Vanden Eynden, Waller, Working

The Mathematics course offerings have been greatly revamped to capture the spirit of Assembly Bill 705. We now have accelerated pathways for students to complete transfer level math courses within one year of starting school, each one with an accompanying support course if needed or desired. Five transfer-level or “parent” courses exist for four separate pathways: MATH-120 Quantitative Reasoning, MATH-160 Elementary Statistics, MATH-178 Calculus for Business, Social and Behavioral Sciences and MATH-175 College Algebra-STEM or MATH-176 Precalculus: Functions and Graphs-STEM. (The STEM pathway also includes MATH-180 Analytic Geometry and Calculus I and MATH-280 Analytic Geometry and Calculus II along with various second year Math courses for those majoring in Math, Physics, Engineering etc.) The support courses that are paired or linked with the parent course are MATH-020 Foundations for Quantitative Reasoning, MATH-060 Foundations for Elementary Statistics, MATH-078 Foundations for Calculus for Business, Social, & Behavioral Sciences, MATH-075 Foundations for College Algebra and MATH-076 Foundations for Precalculus. These support courses give prerequisite math and study

skills that pertain to the parent course. Finally, for those interested in Elementary School Education, we offer three courses, MATH-125 Structure and Concepts of Elementary Mathematics I, MATH-126 Structure and Concepts of Elementary Mathematics II, and MATH-128 Children's Mathematical Thinking.

Oceanography

Faculty:

Teachout

The faculty of oceanography endeavors to provide a basic course in the principles of physical oceanography that integrates aspects of physics, chemistry, meteorology and geology as they relate to the marine environment. OCEA-112 Introduction to Oceanography is an interdisciplinary course that focuses upon the history and development of oceanography, and the present and future importance of the oceans. OCEA-112 Introduction to Oceanography may be counted towards fulfilling the Area B, Section 2, General Education requirements for graduation from the college.

Science

Science is an interdisciplinary program that fulfills both physical science and critical thinking requirements. The principal course is Introduction to Scientific Thought. This is a course on the methodology, history and philosophy of science. It emphasizes what scientists do and how they think by drawing on the history of physical and biological sciences. The concepts of scientific revolutions, scientific skepticism, experimental design, the ethical implications of scientific discovery, and the impact of the scientific enterprise on the world are covered. Nonscientific and pseudoscientific claims are investigated, with an eye toward critical thinking. The relationship between science and religion is discussed.

Faculty, Administration and Classified Personnel

Full-Time Faculty & Administration

A

ABSHIER, RANDALL

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B.A., San Diego State University

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M.S., Azusa Pacific

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M.S.W., San Diego State University

M.A., San Diego State University

AHEARN, BREANNE

Media Communications

B.S., Kennesaw State University

M.A., University of London, Goldsmiths

Ed.D., Walden University

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Ed.D., San Diego State University

AKUA, RUKIYA

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B.A., Chicago State University

M.A., DePaul University

AL SAEGH, NOORA

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M.Ed., National University

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M.S., Utkal University, India

M.S., Vanibihar University, India

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B.A., University of California – San Diego

M.A., Teacher's College – Columbia University

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M.D., Azerbaijan State Medical University

D.N.P., Chamberlain University

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Ed.D., San Diego State University

ALOKA, EMAD

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B.A., University of Mosul

M.S., San Diego State University

ALTAMERO, VALENTINE

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M.S., Colorado State University

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Ph.D., Oregon State University

AYALA, CLEMENTE

Counselor, Counseling & Articulation

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Ph.D., University of Edinburgh

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M.A., University of Chicago
Ph.D., University of Chicago

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CERVANTES, ENRIQUE

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L

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 M.A., Westminster Theological Seminary
 M.A., University of San Diego

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 M.S., Ohio State University
 Ph.D., Ohio State University

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 Distinguished Faculty 2015-2016
 Professor, Chemistry
 B.S., University of California – Riverside
 M.S., California State Polytechnic – Pomona

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 Mathematics
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 M.S., University of California – Irvine

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 B.A., University of California-Riverside
 M.S., Azusa Pacific University

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 Assistant Director, Nursing
 B.S.N., St. Louis University, Philippines
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MALONEY, KELLY
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 B.S.N., Grand Canyon University
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 Professor, Mathematics
 B.S., University of New Mexico
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MAPES, GWENYTH
 Professor, Humanities
 B.A., Hollins College
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MIDDLEMAS, JULIE
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MILLER, CATHY
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District Administration

Lynn Ceresino Neault, Ed.D., Chancellor

Sahar Abushaban, Vice Chancellor, Business Services

Linda Beam, Interim Vice Chancellor, Human Resources

Barbara Gallego, Interim Associate Vice Chancellor, Educational Support Services

Nancy Lim, Associate Vice Chancellor, District Business Services

Craig Leedham, Associate Vice Chancellor, Human Resources

Kerry Kilber Rebman, Associate Vice Chancellor, Technology

Ken Emmons, Senior Director, Districtwide Facilities

Jennifer Fujimoto, Senior Director, Fiscal Services

TBD, Senior Director, Purchasing and Contracts and Ancillary Services

Cynthia Nagura, Director, Community and Workforce Partnerships

Jerry Williamson, Director, Computer Services

Pam Wright, Director, Enterprise Systems

TBD, Director, Risk Management

TBD, MS, Director, Human Resources

Lana Arabu, Director, Payroll

TBD, Director, Public Information, Government Relations, and Community Relations

Steven Abat, Director, Technical Services

Nicole Conklin, Director, Public Safety

Chito Gutierrez, Director, Administrative Services, District Auxiliary

Sally Cox, Chief Executive Officer, Foundation for Grossmont & Cuyamaca Colleges

Dana Rivers, Director of Development, Foundation for Grossmont & Cuyamaca Colleges

Gabriela Alvarez, Administrative Director to the Chancellor & Governing Board Operations

Jane Kennington, Executive Director, Personnel Commission

College Administration

TBD , Dean English and Social & Behavioral Sciences

TBD , Vice President Administrative Services

TBD , Dean Admissions & Records and Financial Aid

TBD , Associate Dean Extended Opportunity Programs and Services

Joan Ahrens, Ed.D. Senior Dean College Planning & Institutional Effectiveness

Agustín Albarrán, Interim Vice President Academic Affairs

Jason Allen, Ed.D. Interim Associate Dean Athletics

Javier Ayala, Ph.D. Dean Career and Technical Education, Workforce Development

Deborah Chow, DNP, FNP, RN Associate Dean Nursing

Martha Clavelle, Dean Counseling Services

Michael Copenhaver, Director Financial Aid

Vanessa Fountain, D.M.A. Dean Arts, Languages and Communication

Marsha Gable, Ed.D. Vice President Student Services

Shawn Hicks, Dean Mathematics, Natural Sciences, Exercise Science and Wellness

Loren Holmquist, Director District - Campus Facilities and Maintenance Operations

Tate Hurvitz, Ph.D. Interim Dean Learning and Technology Resources

Romeo Madrid, MSN, RN Assistant Director Nursing

Ernesto Rivera, Director College & Community Relations

Victoria Christine Rodriguez, Ph.D. Dean College Planning & Institutional Effectiveness

Nancy Saks, DNSc Senior Dean Allied Health and Nursing

Sara Varghese, J.D. Dean Student Affairs

Heriberto Vasquez, Director Student Development

Denise Whisenhunt, J.D. President

Courtney Willis, Dean Student Services

Emeriti

Donald E Anderson, Professor Emeritus

Pat Bennett, Professor Emerita

William Bornhorst, Professor Emeritus

William Bradley, Professor Emeritus

A. Lee Brown, Professor Emeritus

Robert N Burnham, * Superintendent Emeritus

William R Burns, * Assistant Superintendent Emeritus

Paul Carmona, Professor Emeritus

Lolita D Carter, * Professor Emerita

Charles Charter, Professor Emeritus
 Laurance E Coons, Dean Emeritus
 Ruth H Coover, * Professor Emerita
 Ann Daluiso, Professor Emerita
 Robert Danielson, * Professor Emeritus
 Sheridan DeWolf, Professor Emerita
 Marcy Diehl, Professor Emerita
 Mary Donnelly, Professor Emerita
 Beth Duggan, Professor Emerita
 Emilie Duggan-Zouhar, Professor Emerita
 Leeland T Englehorn, * Professor Emeritus
 John Feare, Professor Emeritus
 Theresa Ford, Professor Emerita
 Thomas Foster, Administrator Emeritus
 William G Givens, Professor Emeritus
 Sue Gonda, Professor Emerita
 Michael Grant, * Professor Emeritus
 Yolanda E Guerrero, Professor Emerita
 J. William Hansen, Professor Emeritus
 W. Wayne Harmon, Professor Emeritus
 Joseph P Higgins, * Professor Emeritus
 Leon C Hoffman, Professor Emeritus
 John M Holleran, Professor Emeritus
 Margaret Hovde, Professor Emerita
 Harold G Hughes, * Superintendent-President Emeritus
 Paul D Jacques, Professor Emeritus
 Marie E James, Professor Emerita
 Robert James, Professor Emeritus
 Janice Johnson, Professor Emerita
 Richard L Johnson, * Professor Emeritus
 Ivan L Jones, President Emeritus
 Rick Kirby, Professor Emeritus
 Richard Lantz, Professor Emeritus
 Les Lawrence, Professor Emeritus
 Evanne D Lill, Vice President Emerita
 David A Lunsford, Professor Emeritus
 Homer Lusk, Professor Emeritus
 John Maley, Professor Emeritus
 Lorraine Martin, Professor Emerita
 Mike Matherly, Professor Emeritus
 Jack G McAuley, * Professor Emeritus
 Annjennette McFarlin, * Professor Emerita
 Theresa McNeil, Professor Emerita
 Richard C Mellien, Dean Emeritus
 Diane Merlos, Professor Emerita
 Josephine Messina, Professor Emerita
 Erv F Metzgar, * President Emeritus
 Craig Milgrim, Professor Emeritus
 Angela Nesta, Professor Emerita
 Thomas Oertel, Professor Emeritus
 Muriel Owen, Administrator Emerita
 Shannon O'Dunn, Dean Emerita
 James Papageorge, Professor Emeritus
 Charles D Park, * Professor Emeritus
 Z. Dean Parks, * Professor Emeritus
 C. Allen Paul, * Dean Emeritus
 Joanne B Prescott, Professor Emerita
 Mary Rider, Professor Emerita
 Donald Ridgway, Professor Emeritus
 Robert E Rump, Professor Emeritus
 Thomas Scanlan, Professor Emeritus
 John D Scouler, * Professor Emeritus

Don E Shannon, * Professor Emeritus
 Morgan Shelley, Professor Emeritus
 Laura Sim, Professor Emerita
 Hoke Simpson, Professor Emeritus
 Beth Smith, Professor Emerita
 Robert C Steinbach, Professor Emeritus
 Curtis Stevens, * Professor Emeritus
 Fred J Stollenwerk, * Professor Emeritus
 James Sumich, Professor Emeritus
 Edda Temoche-Weldele, Professor Emerita
 Brad Tiffany, * Dean Emeritus
 Thomas Tsung, Professor Emeritus
 Donald E Walker, * Chancellor Emeritus
 E. Jane West, Professor Emerita
 Sidney P Wiener, D.M.D* Trustee Emeritus

* Deceased.

Part-Time Faculty

Over 450 part-time faculty teach for Grossmont College each semester. They bring the current state-of-the-art knowledge in their disciplines and a professional commitment to their students. Their dedication and loyalty to the college and its students are very much appreciated. Without these faculty, the college would not be able to provide the breadth of course offerings or bring the depth of practical work experience to the classroom that it does today.

College/District Personnel

A

Abdullah Smith, Dianne
 Health Services Specialist, Health Services

Adlam, Elaine
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Aguilar, Geoffrey
 Custodian, Operations

Alberto Cruz, Efren
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Algarin, Abby
 First Year Experience Coordinator, Student Services

Allen, Vaunette
 Administrative Assistant II, Athletics

Almaguer Ramirez, Nadia
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Althaus, Caroline
 College Cashier, Administrative Services

Althaus, Ryan
 Grounds and Maintenance Supervisor, Operations

Apodaca, Theresa
 Clerical Assistant, Intermediate, Accessibility Resource Center

Arevalo, Cristal
 Child Development Center Assistant, Senior, Child Development

Aure, Patrick
Athletic Academic Advisor, Athletics

Avila Garcia, Gabriela
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B

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Bai, Sang
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Printing Operations Technician, Printing & Duplicating

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Matkovski, Ella
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McInerney, Christine
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McKeon, Michael
Specialty Lab Technician III - Stagecraft, Theatre Arts

McKinney, Martin
Instructional Media Services Technician, Senior, Learning and Technology Resources

McLaughlin, Casandra
Specialty Lab Technician III - Office Administration, Business Office Technology

Mehrian, Maura
Child Development Center Coordinator, Child Development Center

Mesquita, Ondrea
Bookstore Purchasing Assistant, Bookstore

Miles, Michelle
Specialty Lab Technician III - Theatre Production Design, Theatre Arts

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P

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Payroll Technician, Payroll-District Services

Palma, Pat
Clerical Assistant, World Languages

Parry, Joseph
Athletic Trainer, Athletics

Parsons, Colleen
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Pennock, Sandy
Buyer, Intermediate, Purchasing and Contracts

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Student Services Specialist, Student Development Services

Peregud, Austin
Student Services Assistant, Counseling and Assessment

Phan, Holly
Supervisor, Printing & Duplicating

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Pollard, Gloria
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Evaluations Advisor, Admissions & Records

Ramos, Alberto
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Budget Analyst, Administrative Services

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Campus and Parking Services Specialist, Campus and Parking Services

Russo, Mark
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S

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Student Services Specialist, Counseling and Assessment

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Saric, John
Programmer Analyst, Senior, Information Technology

Schaufler, Nathan
Computer Lab Technician I, Instructional Computing Services

Shamon, Luma
Interim Financial Aid Supervisor, Financial Aid

Shamoun, Miron
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Shipstead, Janet
Test Proctor, Accessibility Resource Center

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Smith, Sherri
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Steva Campbell, Kristin
Facilitator III, Theatre Arts

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T
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Trocke, Shawn
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Tu, Regan
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Director, Student Development, Student Affairs

Velarde Casares, Jennifer
Financial Aid Assistant, Financial Aid

Velasco, Marisela
Student Services Assistant, Counseling and Assessment

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Evaluations Advisor, Admissions & Records

Victa, Reuel
Information Systems Business Analyst, Information Technology

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Buyer, Senior, Purchasing and Contracts

Williams, Ronald
Computer Helpdesk Specialist, Information Technology

Williamson, Michael
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Wong, Karen
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Wooden, Marcus
Custodian, Operations

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Y

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Job Placement Case Management Specialist, Career and Technical Education, Workforce Development

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Young, Nicole
Administrative Assistant IV, Information Technology

Yturalde, Natalie
Administrative Assistant III, Facilities, Planning, Development and Maintenance

Z

Zumbado, Rocio

Bookstore Purchasing Assistant, Bookstore

Campus Map

GROSSMONT COLLEGE CAMPUS MAP



Printable Campus Map

Directions

From Interstate 8

From Interstate 8, East or West, take Highway 125 North to the Grossmont College Drive exit. Turn right at the first stop light (Grossmont College Drive). Go across the bridge to the second traffic signal. Go straight onto the Grossmont College perimeter road.

From Highway 94

From Highway 94 East, take Highway 125 North to the Grossmont College Drive exit. Turn right at the first stop light (Grossmont College Drive). Go across the bridge to the second traffic signal. Go straight onto the Grossmont College perimeter road.

From Highway 52

From Highway 52 East, take Highway 125 South to the Grossmont College Drive exit. Turn right at the first stop light (Grossmont College Drive). Go straight onto the Grossmont College perimeter road.

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