
GROSSMONT COLLEGE CATALOG 2013 & 2014
GROSSMONT COLLEGE
GROSSMONT
2013
2014
COLLEGE CATALOG

GROSSMONT COLLEGE

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GROSSMONT-CUYAMACA COMMUNITY COLLEGE DISTRICT GOVERNING BOARD MEMBERS:
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Student Members: Elsa Hernandez, Peg Marcus
Chancellor: Cindy L. Miles, Ph.D.
Grossmont College President: Sunita V. Cooke, Ph.D.

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 the 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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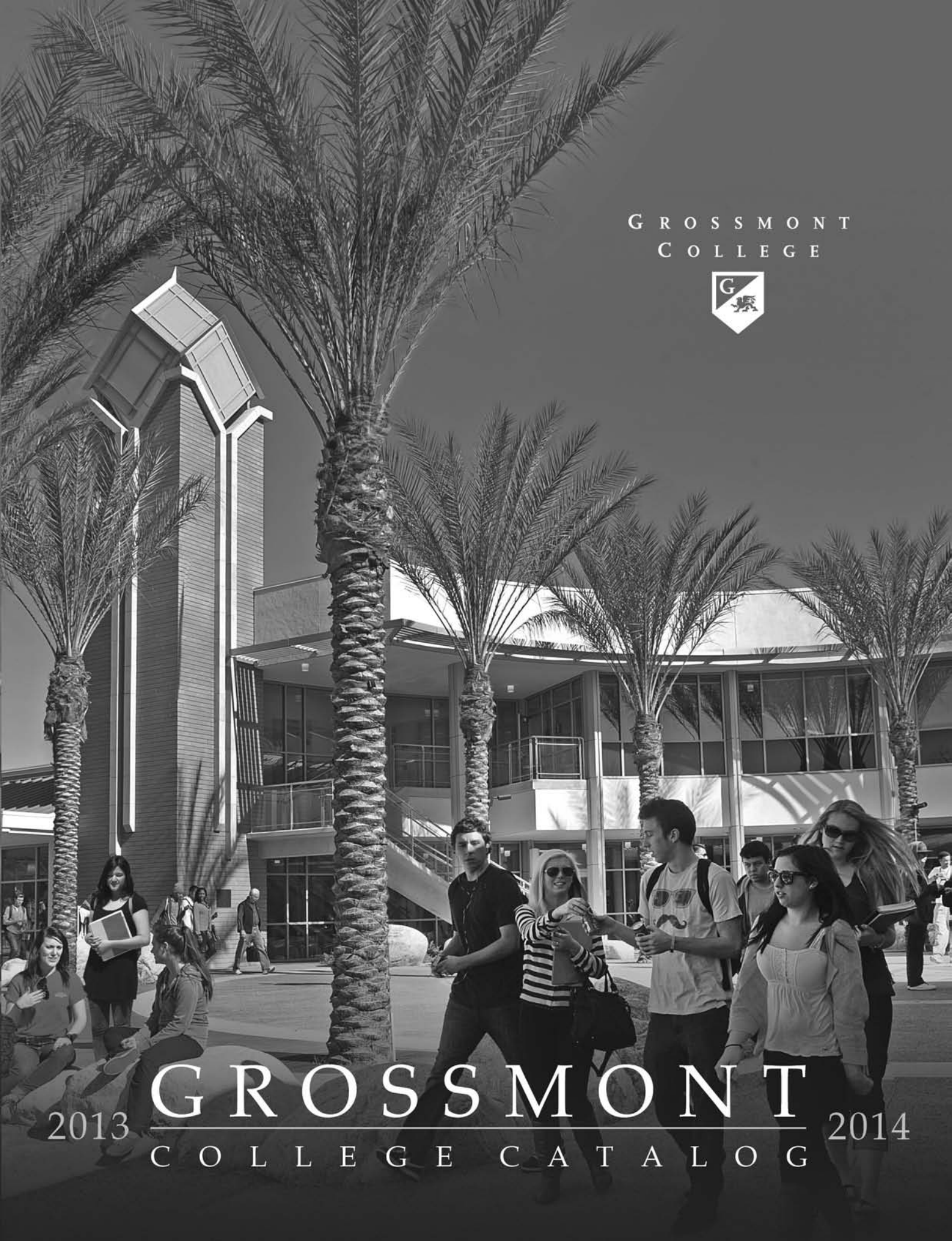
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GROSSMONT COLLEGE

GROSSMONT

2013 2014

COLLEGE CATALOG



Welcome to Grossmont College

It is my distinct pleasure to welcome you to Grossmont College for the 2013-2014 school year. Thank you for choosing Grossmont College for your higher educational goals and career training. We are thrilled to serve you with dedicated employees, state of the art technology, and newly built or renovated buildings. Last year, we opened the new Griffin Center, your student center, and the Student Services and Administration Building, offering a one-stop center for student services. These facilities enhanced our full range of services, and made them more accessible to students.

Grossmont offers more than 150 degrees and certificates, and this catalog will guide you as you plan your educational future. Whether you plan to transfer to a four-year university, find a job after college or update your skills for career advancement, this catalog will answer many of your questions. I encourage you to spend some time reading it as you map out your future.

Grossmont College prides itself on providing an exceptional learning environment so that the diverse students of East County can fulfill their hopes, dreams and full potential. In addition to exceptional educational opportunities and support services, the college offers a rich blend of clubs, sports, activities and cultural events to stimulate and enhance your student life experience. I hope you will participate in some of these opportunities!

Five decades after our founding in 1961, Grossmont College is thriving. The passage of Proposition 30 in Fall 2012 ensured that community colleges could offer more classes, enriching the experience for students like you who can take full advantage of the multitude of courses offered on campus and online.

Grossmont College has exceptionally dedicated and talented faculty, staff and administrators who are willing to go above and beyond to help you achieve your educational and career goals. The focus at this campus is on you, and these seasoned professionals strive each and every day to assist you in accomplishing your dreams.

I encourage you to stay focused as you follow in the footsteps of the thousands of students who have achieved success at Grossmont College. Above all, keep moving forward and pursuing your dream of an education with patience, persistence and perseverance, taking advantage of every opportunity. A world full of possibilities awaits your unique contribution and talent.

Once again, thank you for selecting Grossmont College and I wish you every success. Go Griffins!



Sunita V. Cooke, Ph.D.
President

Nondiscrimination Notice

The Grossmont-Cuyamaca Community College District (GCCCD) 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. GCCCD 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, color, national origin, religion, age, sex or gender, physical disability, mental disability, ancestry, sexual orientation, marital status, veteran status, or on the basis of these perceived 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 groups mentioned above. (Board Policy 3410)

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:

- **Sara Glasgow,** Interim Associate Dean, Student Affairs
  Title IX Coordinator
  Grossmont College, 8800 Grossmont College Drive
  El Cajon, CA 92020-1799 • (619) 644-7600

- **Jeff Baker,** Vice President, Student Services
  Grossmont College, 8800 Grossmont College Drive
  El Cajon, CA 92020-1799 • (619) 644-7108

Grossmont College recognizes its obligation to provide overall program accessibility for those with physical and mental disabilities. Contact the Disabled Students Programs and Services department 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 conduct of a sexual nature when:

Unwelcome sexual advances, requests for sexual favors, and other conduct of a sexual nature 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.

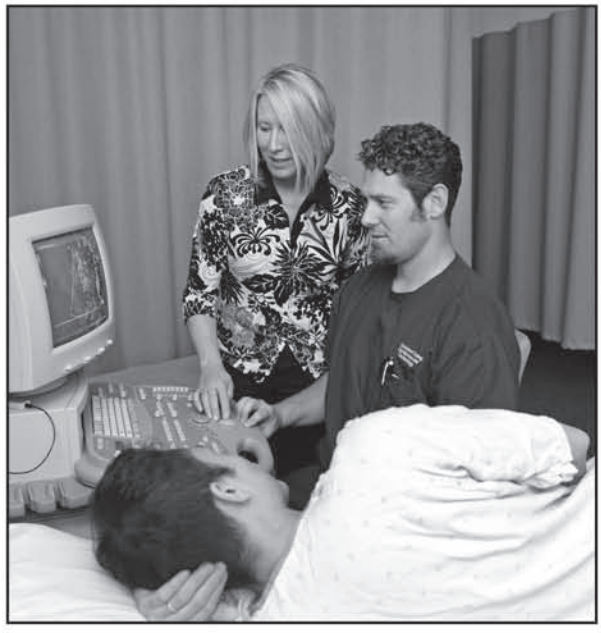
PROCESS: Complaints must be filed within 180 days of the date the alleged unlawful discrimination occurred, except that this period shall be extended by no more than 90 days following the expiration of the 180 days if the complainant first obtained knowledge of the facts of the alleged violation after 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 Associate 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.

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Calendar

FALL 2013 (87 DAYS)

July 15-August 16 . . . . . .Registration

August 12-16 . . . . . .Professional Development-Organizational Meetings

August 19 . . . . . .Regular Day and Evening Classes Begin

August 19-30 . . . . . .Program Adjustment

September 2* . . . . . .Holiday (Labor Day)

September 3 . . . . . .Census Day

September 20 . . . . . .Last Day to Apply for Pass/No Pass Semester Length Classes

October 11 . . . . . .Last Day to Apply for Fall 2013 Degree/Certificate

October 12 . . . . . .End of First 8-Week Session

October 14 . . . . . .Second 8-Week Session Begins

November 8 . . . . . .Last Day to Drop Semester Length Classes

November 11 (Monday)* . . . . . .Holiday (Veterans Day)

November 28*, 29*, 30* . . . . . .Thanksgiving Holiday

December 9 (Monday) . . . . . .End of Second 8-Week Session

December 10, 11, 12, 13, 14, & 16 . . . . . .Final Examinations

December 16 . . . . . .Close of Fall Semester

December 18 . . . . . .Instructor Grade Deadline

December 17-January 24 . . . . . .Winter Recess

December 24 through January 1 . . . . . .College and District Offices Closed

JULY 2013

S	M	T	W	Th	F	S
	1	2	3	(4)	5	6
7	8	9	10	11	12	13
14	[15]	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

AUGUST

S	M	T	W	Th	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	[19]	20	21	22	23	24
25	26	27	28	29	30	31

SEPTEMBER

S	M	T	W	Th	F	S
1	(2)	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

OCTOBER

S	M	T	W	Th	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	[14]	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

NOVEMBER

S	M	T	W	Th	F	S
					1	2
3	4	5	6	7	8	9
10	(11)	12	13	14	15	16
17	[18]	19	20	21	22	23
24	25	26	27	(28)	(29)	30

DECEMBER

S	M	T	W	Th	F	S
1	2	3	4	5	6	7
8	9	[10]	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

☐ Important dates

◯ Holidays

* College and District offices closed.

2013–2014

JANUARY **2014**

S	M	T	W	Th	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	(20)	21	22	23	24	25
26	[27]	28	29	30	31	

FEBRUARY

S	M	T	W	Th	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	(14)	15
16	(17)	18	19	20	21	22
23	24	25	26	27	28	

MARCH

S	M	T	W	Th	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	[24]	25	26	27	28	29
30	31					

APRIL

S	M	T	W	Th	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	(18)	19
20	21	22	23	24	[25]	26
27	28	29	30			

MAY

S	M	T	W	Th	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	(26)	27	28	29	30	31

JUNE

S	M	T	W	Th	F	S
1	2	3	4	[5]	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

SPRING 2014 (88 DAYS)

November 18-January 24 . . . . . .Registration

January 20* . . . . . .Holiday (Martin Luther King Day)

January 21-24 . . . . . .Professional Development-Organizational Meetings

January 27 . . . . . .Regular Day & Evening Classes Begin

January 27-February 7 . . . . . .Program Adjustment

February 10 . . . . . .Census Day

February 14*-15* . . . . . .Holiday (Lincoln Day observed)

February 17* . . . . . .Holiday (Washington Day observed)

February 28 . . . . . .Last Day to Apply for Pass/No Pass Semester Length Classes

March 21 . . . . . .Last Day to Apply for Spring 2014 Degree/Certificate

March 22 . . . . . .End of First 8-week Session

March 24 . . . . . .Second 8-Week Session Begins

April 14, 15, 16 & 17 . . . . . .Spring Recess

April 18-19 . . . . . .College and District Offices Closed

April 25 . . . . . .Last Day to Drop Semester Length Classes

May 24 . . . . . .End of Second 8-Week Session

May 26* . . . . . .Holiday (Memorial Day)

May 27, 28, 29, 30, 31 & June 2 . . . . . .Final Examinations

June 2 . . . . . .Close of Spring Semester

June 3 . . . . . .Instructor Grade Deadline

June 5 . . . . . .Grossmont Commencement

☐ Important dates

◯ Holidays

* College and District offices closed.



Gary Jacobson

Distinguished Faculty

Gary's interest in the natural world was kindled early during camping trips he took with his family in the early 1960's. Places like the Devil's Post Pile, the Grand Canyon and the iconic landforms of Monument Valley stood in profound and majestic contrast to the suburban tedium of his hometown in Orange County. It wasn't until Gary's first geology class at Cypress Community College in 1975 that he would experience the epiphanic satisfaction that comes from understanding the natural processes that formed such awe inspiring places. He quickly changed his major from math to geology and never looked back.

In 1979 Gary graduated with a B.S. in geology from California State University, Long Beach and then worked as a soils technician and engineering geologist with Leighton and Associates in Orange County. He eventually became conflicted with that line of work as it was dependent on bulldozing the natural environment he held in such high esteem and covering it with urban sprawl. Setting his sights on a path that would take him as far away from the urban environment as possible, he chose to pursue a graduate degree from San Diego State University and in 1982 received a M.S. in Geology with an emphasis in structural and marine geology.

With his new credentials he worked as a consulting geologist with various American and Canadian mining companies - mostly exploring for gold in Nevada, Arizona and northern California. Although he enjoyed the profession and loved working outside in beautiful natural environments, he eventually became despondent with the lifestyle and environmental destruction associated with the mining industry. That (and the pathetic surf of central Nevada!) drove Gary back to San Diego State University in 1984 where he enrolled in the teacher credentialing program. After completing secondary credentials in both math and physical science, he taught as an adjunct geology and oceanography instructor at Grossmont College, SDSU and Palomar College until 1989 when he was hired full time at Grossmont.

Gary's passion for teaching earth science comes from a lifelong curiosity, love and respect for the natural world paired with a belief that our species must shoulder a responsibility, for preserving the irreplaceable natural legacy wrought by 4.6 billion years of geologic time, that is proportional to the stress that 7 billion humans place upon this planet. His teaching philosophy centers around the notion that responsible action requires more than mere empathy. Good intentions can have dangerously unintended consequences in the absence of true understanding. Science not only allows us to take actions that have the highest probability of producing intended results, but it also provides an unbiased perspective of the world crucial to motivating responsible action in the first place.

Our History at Grossmont College

It was a college starting from scratch—no name, no firm location and not a nickel in construction funds. But from the moment the idea was born, Grossmont College promised to become one of the county's leading higher education institutions. Following several years of study involving both lay and educational groups, the voters of the area approved the formation of the Grossmont Junior College District in an election held November 8, 1960. The first official organizational meeting of the Grossmont Junior College Governing Board occurred July 1, 1961. First college classes convened September 11, 1961, on the Monte Vista High School campus in Spring Valley with an opening enrollment of 1,538.

In an election held September 18, 1962, voters approved a $7.5 million facilities bond. The Governing Board moved to purchase a 135-acre site located on a scenic mesa in the Fletcher Hills area 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 September 14, 1964. The Grossmont College campus was officially dedicated December 12, 1964.

The first increment of the campus was planned to accommodate an enrollment of 2,500 day-time students, with the completed campus expected to serve 4,800 students. On October 18, 1965, a second bond election for $3.5 million was passed by area voters, making it possible to complete the master plan. New facilities were completed September 25, 1967.

In 1970, state legislation changed the term "Junior College" in California codes to "Community College." On January 6, 1971, the Board of Education of the County of San Diego 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.

Proposition R, the district's $202 million facilities bond measure, was approved in 2002, allowing us to build the Learning and Technology Resource Center, the Science Laboratory Building and the Digital Arts and Sculpture Building Complex, the Health and Sciences Complex and a multi-story parking structure. The college's new student center, and the Student Services and Administrative Building opened in Spring 2012.

In 2013, East County voters approved Proposition V, GCCCD's $398 million bond measure, which will make it possible for us to renovate or replace aging, overcrowded facilities, modernize college technology, improve safety, security and access for disabled students, and create a Veterans Support Center and an East County Workforce Solutions Training Center.

Today, Grossmont College is changing lives through education by offering more than 150 degree and certificate programs, including university transfer, workforce and basic skills options. Grossmont also offers a full range of student activities and clubs as well as 16 intercollegiate athletic teams.

Enrollment has remained steadily at a level above 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 for the first time (20,362), increasing to the highest level ever in Spring 2010, at 20,793 students.

After four years of budget cuts, the California state budget situation has stabilized. We were able to add more classes in Spring and Summer 2013. The Fall 2013 course schedule allows you, the students, to choose from a more robust selection of classes to help you better achieve your educational goals.



Educational Philosophy

The founders of the Grossmont-Cuyamaca Community College District believed that a community college should provide experiences which will greatly broaden the students' educational opportunities and strengthen the society's democratic institutions. The representatives of the community directed the college 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 challenge of the present and the future.

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

A. The democratic way of life allows each individual the personal freedom and initiative consistent with his/her responsibilities to other persons.
B. The college recognizes the worth of the individual, and the fact that individual needs, interests and capacities vary greatly.
C. The maximum development of the personal, social and intellectual qualities of each individual must be encouraged.
D. The maximum development and fulfillment of the individual, and the development of the community are increasingly interdependent.
E. All segments of the college community are encouraged to contribute and participate in the operation of the college.

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

Grossmont College Mission Statement

Vision

Grossmont College—changing lives through education.

Mission

Grossmont College is committed to providing an exceptional learning environment that enables diverse individuals to pursue their hopes, dreams, and full potential and to developing enlightened leaders and thoughtful citizens for the local and global community.

Our mission is fulfilled by providing the people of East San Diego County with:

- Transfer degrees and certificates programs
- Career technical education and workforce development
- Basic skills
- Student support services that promote student access and achievement
- Community education

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 improvement in the pursuit of excellence. We accept the challenges of being accountable for our efforts.
- **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:

A. 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.

B. 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.

C. A learning resources program composed of:

- **Programs and services** to support and to supplement the instructional, student services and community education programs.

D. 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.

American Association of University Professors'

Ethics Statement

The ASCCC adopted the "American Association of University Professors (AAUP) Ethics Statement," and expanded upon it in 1994. In addition to the Ethics Statement, the ASCCC's paper provides suggestions about "how faculty interact with all members of the college community in carrying out their professional responsibilities." These 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. http://asccc.org/sites/default/files/ethics.pdf

The "American Association of University Professors (AAUP) Ethics Statement":

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.

Admissions
Procedures



Admission Procedures

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.

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.

Admission Procedures: General

Students should observe the following admission procedures:

1. File an application online (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.
   - Grossmont College accepts credit only from institutions accredited by one of the six regional accrediting associations.
   - Veterans receiving benefits must submit all transcripts from previous colleges.
3. Take the English/Reading/Math assessment which is recommended for students who plan to take an English or math class, or to enter a degree, certificate or transfer program. Students who have completed an English and math class at another college may have the assessment waived by presenting transcripts to the Counseling Center. All new students are encouraged to evaluate their present skill levels by taking this assessment. Information from the assessment is used to assist students in appropriate course selection. The assessment is not used to bar admission to Grossmont College.
4. Arrange for an orientation and program advisement appointment.
5. Complete formal registration as scheduled (course selection and fee payment).

Guidelines on Residency

Each student enrolled or applying for admission to any California community college will provide such 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.

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.

I. Resident Classification

A. 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.

B. 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

A. Residence. The following rules are used to determine place of residence:

1. Every person has, in law, a residence.
2. Every person who is married or 18 years of age or older may establish a residence.
3. There can be only one residence.
4. Residence is the place where one remains when not called elsewhere for labor or other special or temporary purposes, and to which one returns in seasons of repose.
5. A residence cannot be lost until another is gained.
6. Residence can be changed only by the union of act and intent.
7. A man or woman may establish his or her residence.

B. Adults. Persons 18 years of age or older may establish residence in accordance with Section A and C (6).

C. Minors. Persons under 18 years of age may establish residence in accordance with the following:

1. A married minor may establish his/her own residence.
2. If the parents are separated permanently, the residence of the minor is the residence of the parent with whom the minor lives.
3. If both parents are deceased and there is no court-appointed guardian, the minor may establish his/her own residence.
4. 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.
5. 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.
6. 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.

D. Exceptions

1. 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.
2. 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.
3. 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.
4. 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 one year has elapsed, the student is subject to reclassification according to the policies stated in this section.
5. 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.
6. 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 one year for the time he/she lives in California after being discharged. This one year waiver after the discharge date allows the time necessary to establish residence. After one year has elapsed, the student is subject to reclassification according to the policies stated in this section.
7. 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.
8. 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.
9. A student who is an apprentice, as defined in Section 3077 of the Labor Code, will be entitled to "resident" classification.
10. 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:
    a. Holds a provisional credential and enrolls in courses necessary to obtain another type of credential authorizing service in the public schools.
    b. Holds a credential issued pursuant to Section 44250 and enrolls in courses necessary to fulfill credential requirements.
    c. Enrolls in courses necessary to fulfill the requirements for a fifth year of education, prescribed by sub. (b) of Section 44259.
11. 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.
12. 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.
13. 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:
    a. 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.
    b. Such absence from the state was for a period of not more than four years.
    c. 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.

III. Factors to be Considered in Determining Residence

A. 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.

1. Registering to vote and voting in elections in California and not in any other state.
2. Filing California personal income taxes as a resident of the state.
3. Ownership of residential property or continuous occupancy.
4. Licensing from the state for professional practice.
5. Maintaining active resident memberships in California professional organizations.
6. Maintain valid resident California vehicle license plates and/or operator's license.
7. Maintaining active savings and checking accounts in California banks only.
8. Engagement in litigation for which residence is required.
9. Showing California as home address on federal income tax forms.

B. Factors that negate intent will also be considered.

C. 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 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: 2009-2010 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. All students are 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.

Matriculation Process

Student Rights and Responsibilities

Matriculation is a partnership between you, the student, and Grossmont College to help you succeed; therefore, it is important to be familiar with staff, programs, services and instruction that will support your goals. Students attending Grossmont College have access to a variety of instructional programs, courses and services which begin with assessment, orientation and advisement.

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

- An admissions process.
- Orientation to college programs, services, facilities, academic expectations and college policies and procedures.
- Counseling/advisement and assistance with course selection.
- Assessment* (including Math, English and ESL) in preparation for college work.
- Quality education.
- Follow-up services.
- Information on student academic progress.
- Institutional research and evaluation.
- Student due process for students who believe their rights have been violated.

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

- Acquire and read the college catalog, class schedules, student handbook and other materials.
- Declare an educational goal and maintain progress toward that goal.
- Participate in orientation, assessment*, counseling and advisement.
- Develop a student educational plan.
- Complete class assignments.
- Attend class regularly.
- Utilize support services if needed.

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

* "Assessment" means the process of gathering information about individual students to facilitate student success. Assessment may include, but is not limited to, information regarding the student's study skills, English language proficiency, computational skills, aptitudes, goals, learning skills, career aspirations, academic performance and need for special services. Assessment involves the collection of such information at any time, before or after enrollment, except that the process of assigning a grade by an instructor shall not be considered part of the assessment process. Once a grade has been assigned and recorded in a student's transcript, it can be used in the assessment process (Title 5, Matriculation Regulations, Section 55502 b).

Admission: Accelerated High School Students

Qualified high school juniors and seniors 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 juniors and seniors 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 permanent record card and may be used toward meeting graduation requirements from Grossmont College. High School students are not eligible to receive Title IV Federal Financial Aid.

Admission: Cardiovascular Technology Program (CVTE)

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.

The Associate Degree in Cardiovascular Technology Program admits a limited number of students each fall semester. Monthly CVTE Program Preview meetings are posted on the website and offer information about the program and the field of Cardiovascular Technology.

To be eligible for admission to the program, the following must be completed:

1. Completion of all prerequisite courses* with a "C" grade or higher and within the past seven years of applying to the program.
   - **a.** Anatomy and Physiology w/labs (BIO 140, BIO 141, and 141L or BIO 144 and BIO 145)
   - **b.** Fundamentals of Chemistry w/lab (CHEM 115 or one year of High School Chemistry)

*A list of equivalent prerequisite courses in the San Diego County area can be found on the Cardiovascular Technology website.

If prerequisite or general education courses were completed at a college other than Grossmont or Cuyamaca College, two official transcripts will be required. Please provide one (1) official transcript to the Admissions and Records office after completing the application to the college, and one (1) to the CVTE Program office with your completed application and proof of required immunizations for the program (do not mail separately).

2. High school graduation, high school equivalency or a higher degree.
3. Completion of all health care agency required immunizations to include; MMR series (**or** seropositivity), Hepatitis B series (**and** seropositivity), TDAP and Varicella (or seropositivity).
4. Submit a completed application to the Cardiovascular Technology Program in person (unless residing outside of San Diego County). Applications are available on the CVTE website at www.grossmont.edu/cvt/app_process.asp and must include the following in order to be placed on the waitlist;
   - **a.** Completed CVTE application.
   - **b.** Official transcripts of all required prerequisite courses for the CVTE major.
   - **c.** Proof of High school graduation, high school equivalency or a higher degree.
   - **d.** Documented proof of the required immunizations and/or tests. Immunizations must be complete in order to submit an application. Additional information on the required immunizations is listed on the CVTE program website.

Applicants should contact the Grossmont College Counseling Center to schedule an appointment to discuss Associate Degree requirements for the Cardiovascular Technology Major. It is strongly recommended that students complete their GE requirements prior to being accepted into the CVTE Program. CVTE Program students are required to obtain an Associate's Degree per standards set forth from the CVTE accrediting body, The Commission on Accreditation of Allied Health Education (CAAHEP). Evaluation by the Counseling Office will be required of each student, and is the student's responsibility to make an appointment to have their transcripts evaluated for the degree requirements during their first year in the program.

Upon acceptance to the program the student must submit the following:

- **a.** A satisfactory physical examination.
- **b.** A completed American Databank background check and drug screen*.
- **c.** Current American Heart Association CPR card for Healthcare Providers.
- **d.** Evidence of malpractice insurance.

Additional information will be provided to the student by the Cardiovascular Technology Program on the above requirements when the invitation is accepted into the program.

*Students accepted to the Cardiovascular Technology Program are required to undergo a background check and urine drug screening test before starting the program and being placed at any clinical site. Failure to pass either or both of these procedures may interfere with clinical placement and/or acceptance to the program. The cost of these procedures may range between $65–$120. The student is responsible for paying these fees.

IMPORTANT: Any prior conviction of a misdemeanor or felony may influence eligibility for state licensure. A flagged background check or drug screen may also prohibit participation in the CVTE program. Applicants with prior convictions are required to contact the Director of the Cardiovascular Technology Program for confidential advisement and planning prior to applying to the program.

To obtain additional information on the field of Cardiovascular Technology and the program, please visit our website at www.grossmont.edu/healthprofessions and look for the Workshops for Nursing and Allied Health Programs.

Admission: Registered Nursing (NURS) Programs

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.

The Associate Degree in Nursing program admits a limited number of students annually due to facility and staff limitations. To be eligible for admission to the program, the following must be completed:

1. High school graduation, high school equivalency or a higher degree.
2. Completion of all prerequisite courses with a "C" grade or higher. Science prerequisite courses must have a minimum combined GPA of 2.5 or higher.
   - **a.** Anatomy and Physiology (Biology 140, 141 and 141L, or Biology 144 and 145).
   - **b.** Microbiology (Biology 152).
     - For those students whose GPA is 2.5, but whose science courses were taken more than seven years ago, the completion of Physiology (must include a lab if not previously taken) will satisfy the recency standard for the required pre-requisite science courses. Science recency is determined from the date of the last science course taken. Prior to enrolling in any Physiology course, contact the Nursing Program Office to discuss course

repetition. All three courses may not be repeated.
- When the combined GPA of the three science courses is not 2.5, and if repeating one of the courses could bring the science GPA to 2.5, the student may repeat one course determined by the Nursing Program Office.
- Within 5 years of the application date, no more than one of the required science prerequisites may be repeated.
- Labs must be taken in the classroom setting for all 3 science prerequisite courses. Online labs are not permitted.

3. Completion of the Nursing major "fixed set" General Education courses to include; English 120 or 124, Math 103 or higher, (Math 160 is recommended for BSN transfer), Sociology 114 or 120, Psychology 120, Communication 120 or 122 (Comm 122 is recommended for BSN transfer). All courses must be completed with a "C" grade or higher and minimum GPA of 2.5.
4. Prospective students may submit a completed application packet during the application period only. Please review the program application and check list to verify all required documentation is included in the application packet. The program application and application periods can be found on the Nursing Program website at www.grossmont.edu/nursing/admission. Applications must be submitted in person if you reside in San Diego County. Applications can be mailed for those prospective students living outside of San Diego County. Applicants should contact the Grossmont College Counseling Center to schedule an appointment to discuss Associate Degree requirements for the Nursing Major.
5. Official transcripts of all college credits earned must be submitted to the Grossmont College Admissions and Records office when accepted into to the Nursing Program; if not previously submitted. These transcripts do not substitute for the official transcripts that are required for the application packet.
6. Evidence of required immunizations and/or immunity. Required immunizations are listed on the program website and included with the program application.

Upon acceptance to the program the student must submit the following:

a. A satisfactory physical examination
b. A completed American Databank background check and drug screen
c. Current American Heart Association CPR card for Healthcare Providers
d. Evidence of malpractice insurance.

Additional information will be provided to the student by the Nursing Program on the above requirements when the invitation is accepted into the program.

Complete all Grossmont College admission requirements as noted in this catalog.

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. Applicants with prior convictions are required to contact the Director of Nursing for confidential advisement and planning prior to applying to the program.

Note: Students currently in default of any Health Professions student loan are ineligible to attend the Grossmont College Nursing Program.

Note: Before initiating the challenge policy for any nursing course, the student must first meet with the Director of Nursing and may not be enrolled in the course they are planning to challenge.

Admission procedures, program philosophy and more information about the School of Nursing can be found at www.grossmont.edu/nursing

California Licensed Vocational Nurses are eligible to complete a 30-unit option. Vocational nurses may be graduates of Grossmont College's Nursing Program and of the college only if they complete all other graduation requirements prior to taking the licensure examination. Please contact the Nursing Office for explanation of the required course content, the advantages and limitations of this option.

To obtain additional information on the field of Nursing and the program, please visit our website at www.grossmont.edu/nursing and look for the Workshops for the Allied Health and Nursing.

Admission: Occupational Therapy Assistant (OTA) Program

(http://www.grossmont.edu/healthprofessions/OTAWebPage/default.asp)

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.

Application Procedure:

1. Complete prerequisite courses **Biology 140** and **141** or **Biology 144** and **145** with a "C" grade or higher. (Bio 140 or Bio 145 must be completed no longer than 5 years from the date of application to the OTA Program)
2. Complete Grossmont College admissions application and return to Admissions and Records Office.
3. Request two official college transcripts for all college credit earned. You will submit one to Grossmont College Admissions and Records. The second set of transcripts you will need to have mailed to you in an official sealed envelope. You will need to put in an envelope the following: Official sealed transcripts, completed OTA Program application and high school diploma, transcript or GED if you do not have a associates degree or higher and evidence of required immunizations and/or immunity as listed on the program website. This completed envelope must be hand delivered. If you live outside of San Diego County you may mail in your completed envelope. Application for OTA Program is available: www.grossmont.edu/healthprofessions under OTA program.
4. Any prior convictions of a misdemeanor or felony may influence eligibility for state licensure and eligibility to sit for National Boards as an Occupational Therapy Assistant. Applicants with prior convictions are urged to call Occupational Therapy Board of California at 1-916-263-2294 and NBCOT at 1-301-990-7979.
5. Upon acceptance to the Occupational Therapy Program the student must submit the following:

   Additional information will be provided to the student by the OTA Program on the following requirements when the invitation has been accepted into the program.
   - A satisfactory physical examination
   - Current American Heart Association CPR Card for health providers
   - Evidence of malpractice insurance
   - Clear background check and drug screen
   - Proof of medical insurance
   - Complete all Grossmont College admissions requirements as noted in the catalog
   - Signature pages of OTA Student Handbook

Admission: Orthopedic Technology (OT) Program

http://www.grossmont.edu/cte/orthopedictech/op.htm

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.

To be eligible for admission to the program, the following must be completed:

1. Completion of all prerequisite courses* with a "C" grade or higher
   - **a.** Anatomy (BIO 140) or Anatomy and Physiology I (BIO 144)

   *A list of equivalent prerequisite courses in the San Diego County area can be found on the Orthopedic Technology website.

   If prerequisite or general education courses were completed at a college other than Grossmont or Cuyamaca College, two official transcripts will be required. Please provide one (1) official transcript to the Admissions and Records office after completing the application to the college, and one (1) to the Orthopedic Technology Program office with your completed application and proof of required immunizations for the program (do not mail separately).
2. Completion of all health care agency required immunizations to include; MMR series (**or** seropositivity), Hepatitis B series (**and** seropositivity), TDAP and Varicella (or seropositivity).
3. Submit a completed application to the Orthopedic Technology Program in person (unless residing outside of San Diego County). Applications are available on the OT website at http://www.grossmont.edu/cte/orthopedictech/op.htm and must include the following in order to be placed on the waitlist:
   - **a.** Completed Orthopedic Technology application.
   - **b.** Official transcripts of all required prerequisite courses.
   - **c.** Documented proof of the required immunizations and/or tests. Immunizations must be complete in order to submit an application. Additional information on the required immunizations is listed on the OT program website.

Applicants wishing to receive an Associate in Science in Orthopedic Technology are urged to complete the courses for the major and for General Education prior to entering the OT Program. Please contact the Counseling Center for degree requirements.

Upon acceptance to the program the student must submit the following:

- **a.** A satisfactory physical examination.
- **b.** A completed American Databank background check and drug screen*.
- **c.** Current American Heart Association CPR card for Healthcare Providers.
- **d.** Evidence of malpractice insurance.

Additional information will be provided to the student by the Orthopedic Technology Program on the above requirements when the invitation is accepted into the program.

*Students accepted to the Orthopedic Technology Program are required to undergo a background check and urine drug screening test before starting the program and being placed at any clinical site. Failure to pass either or both of these procedures may interfere with clinical placement and/or acceptance to the program. The cost of these procedures may range between $65–$120. The student is responsible for paying these fees. **IMPORTANT:** Any prior conviction of a misdemeanor or felony may influence eligibility for national certification. A flagged background check or drug screen may also prohibit participation in the OT program. Applicants with prior convictions are required to contact the Dean of Allied Health and Nursing for confidential advisement and planning prior to applying to the program.

To obtain additional information on the field of Orthopedic Technology and the program, please visit our website at www.grossmont.edu/healthprofessions and look the Workshops for Nursing and Allied Health Programs.

Admission: Respiratory Therapy (RESP) Program

www.grossmont.edu/healthprofessions/rtProgram/default.asp

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.

To be eligible for admission to the program, the following must be completed:

1. Completion of all prerequisite courses* with a "C" grade or higher and within the past **seven** years of applying to the program.
   - **a.** Anatomy and Physiology w/labs (BIO 140, BIO 141, and 141L or BIO 144 and BIO 145)
   - **b.** Fundamentals of Chemistry w/lab (CHEM 115 or one year of High School Chemistry)

   *A list of equivalent prerequisite courses in the San Diego County area can be found on the Respiratory Therapy website.

   If prerequisite or general education courses were completed at a college other than Grossmont or Cuyamaca College, two official transcripts will be required. Please provide one (1) official transcript to the Admissions and Records office after completing the application to the college, and one (1) to the RESP Program office with your completed application and proof of required immunizations for the program (do not mail separately).
2. High school graduation, high school equivalency or a higher degree.
3. Completion of all health care agency required immunizations to include; MMR series (or seropositivity), Hepatitis B series (and seropositivity), TDAP and Varicella (or seropositivity).
4. Submit a completed application to the Respiratory Therapy Program in person (unless residing outside of San Diego County). Applications are available on the RESP website at www.grossmont.edu/healthprofessions/rtProgram/default.asp and must include the following in order to be placed on the waitlist;
   - **a.** Completed Respiratory Therapy application.
   - **b.** Official transcripts of all required prerequisite courses for the RESP major.
   - **c.** Proof of high school graduation, high school equivalency or a higher degree.
   - **d.** Documented proof of the required immunizations and/or tests. Immunizations must be complete in order to submit an application. Additional information on the required immunizations is listed on the RESP program website.

Applicants should contact the Grossmont College Counseling Center to schedule an appointment to discuss Associate Degree requirements for the Respiratory Therapy Major. It is strongly recommended that students complete their GE requirements prior to being accepted into the RESP Program. Respiratory Therapy Program students are required to obtain an Associate's Degree per standards set forth from the accrediting body, Commission on Accreditation for Respiratory Care (COARC). Evaluation by the Counseling Office will be required of each student, and is the student's responsibility to make an appointment to have their transcripts evaluated for the degree requirements during their first year in the program.

Upon acceptance to the program the student must submit the following:

- **a.** A satisfactory physical examination.
- **b.** A completed American Databank background check and drug screen*.
- **c.** Current American Heart Association CPR card for Healthcare Providers.
- **d.** Evidence of malpractice insurance.

Additional information will be provided to the student by the Respiratory Therapy Program on the above requirements when the invitation is accepted into the program.

*Students accepted to the Respiratory Therapy Program are required to undergo a background check and urine drug screening test before starting the program and being placed at any clinical site. Failure to pass either or both of these procedures may interfere with clinical placement and/or acceptance to the program. The cost of these procedures may range between $65–$120. The student is responsible for paying these fees. **IMPORTANT:** Any prior conviction of a misdemeanor or felony may influence eligibility for state licensure. A flagged background check or drug screen may also prohibit participation in the RESP program. Applicants with prior convictions are required to contact the Director of the Respiratory Therapy Program for confidential advisement and planning prior to applying to the program.

The Respiratory Therapy Program is accredited by the Commission on Accreditation for Respiratory Care. This accreditation allows the student to sit for the licensure exam for the State of California and the advanced practitioner national registry exams. Grossmont College CoARC # 200085. **CoARC. 1248 Harwood Road, Bedford, Texas 76021. Phone: (817) 283-2835, Fax: (817) 354-8519 Website: www.coarc.com**

To obtain additional information on the field of Respiratory Therapy and the program, please visit www.grossmont.edu/healthprofessions and look for the Workshops for Nursing and Allied Health Programs.

Anesthesia Technician Program

http://www.grossmont.edu/healthprofessions

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.

To be eligible for admission to the program, the following must be completed:

1. Completion of all prerequisite courses* with a "C" grade or higher
   - **a.** Anatomy (BIO 140) or Anatomy and Physiology I (BIO 144) or equivalent

     and
   - **b.** Medical Terminology (BOT 161) or equivalent

   *A list of equivalent prerequisite courses in the San Diego County area can be found on the Anesthesia Technology website.

   If prerequisite or general education courses were completed at a college other than Grossmont or Cuyamaca College, two official transcripts will be required. Please provide one (1) official transcript to the Admissions and Records office after completing the application to the college, and one (1) to the Anesthesia Technology Program office with your completed application and proof of required immunizations for the program (do not mail separately).
2. Completion of all health care agency required immunizations to include; MMR series (**or** seropositivity), Hepatitis B series (**and** seropositivity), TDAP and Varicella (or seropositivity).
3. Submit a completed application to the Anesthesia Technology Program in person (unless residing outside of San Diego County). Applications are available on the AT website at http://www.grossmont.edu/cte/anesthesiatech/at.htm and must include the following in order to be placed on the waitlist;
   - **a.** Completed Anesthesia Technology application.
   - **b.** Official transcripts of all required prerequisite courses.
   - **c.** Documented proof of the required immunizations and/or tests. Immunizations must be complete in order to submit an application. Additional information on the required immunizations is listed on the AT program website.

Upon acceptance to the program the student must submit the following:

- **a.** A satisfactory physical examination.
- **b.** A completed American Databank background check and drug screen*.
- **c.** Current American Heart Association CPR card for Healthcare Providers.
- **d.** Evidence of malpractice insurance.

Additional information will be provided to the student by the Anesthesia Technology Program on the above requirements when the invitation is accepted into the program.

*Students accepted to the Anesthesia Technology Program are required to undergo a background check and urine drug screening test before starting the program and being placed at any clinical site. Failure to pass either or both of these procedures may interfere with clinical placement and/or acceptance to the program. The cost of these procedures may range between $65–$120. The student is responsible for paying these fees. **IMPORTANT:** Any prior conviction of a misdemeanor or felony may influence eligibility to practice as an Anesthesia Technician. A flagged background check or drug screen may also prohibit participation in the Anesthesia Technician program. Applicants with prior convictions are required to contact the Dean of Allied Health and Nursing for confidential advisement and planning prior to applying to the program.

Fees

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 are dropped from classes for non-payment of fees prior to the start of each semester**. The Board of Governors Waiver Program 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 www.grossmont.edu/fa/feewaivers .

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.

The **mandatory health fee** shall be for the protection of any student who may experience an injury while participating in a college sponsored credit or noncredit class, or other activity directly supervised by a member of the college staff at a college approved co-curricular activity.

Note: Students that 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 Admissions and Records. Requests for exemptions will be reviewed by the Dean of Admissions and Records and the Associate Dean of Student Affairs.

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

Refund Schedule

Refunds will be made in the following categories only:

Tuition and Fees

A. Erroneous Determination of Non-resident Status.

If a student is erroneously determined to be a non-resident and, consequently, a tuition fee is paid, such fee is refundable in full, 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 Counseling and Enrollment Services and/or the Vice President of Student Services.

B. Compulsory Military Service Requiring Withdrawal. (See Dropping Courses, page 18.)

C. 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 for dates.

Textbooks

A. Refunds—New and Used Texts

The refund period is posted in the Bookstore and always continues through the second week of classes. Any marks or disfigurement in a text make that text a "used" book. To obtain a refund for a text, the student must present, along with the book to be refunded, a current identification card, the correct cash register receipt reflecting the item purchased, and official evidence showing that he/she has dropped the class.

B. 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.

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:
www.grossmont.edu/admissions/transcripts.asp

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 one of the companies listed below for an official evaluation.

Grossmont College accepts the evaluation of foreign transcripts **only** from the following two academic evaluations companies:

1. Academic Credentials Evaluation Institute, Inc. (ACEI)
P.O. Box 6908
Beverly Hills, CA 90212
USA TEL (310) 275-3530
FAX (310) 275-3528
www.acei1.com

2. International Education Research Foundation (IERF)
P.O. Box 366S
Culver City, CA 90231-366S
USA TEL (310) 390-6276
FAX (310) 397-7686

Students will need to contact the evaluation company they select for their particular foreign transcripts evaluation

procedure. Once completed, have the 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 one of the companies listed above with **subject breakdowns** and **grades** from the official foreign transcripts. The official report must be in **English** and in a sealed envelope.
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.
5. International coursework is not considered transferable. Check with transfer institution.
6. 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.
7. Official transcripts will not be required by Grossmont College since the official transcripts are submitted to the evaluation service.

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. An immediate or rush verification of enrollment will be provided for five dollars ($5). For more information regarding Verification of Enrollment, please visit:
http://www.grossmont.edu/admissions/Verifications%20of%20Enrollment.asp .

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, e.g., Veterans Dependents-War Orphans and Widows, Disabled Veterans and G.I. Benefits.

This office is designed to serve the needs of veterans 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 must be presented to the Veterans Office. The veteran must request that transcripts of all previous college work be sent to the Admissions and Records Office.

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

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

Fall/Spring Semester

Full-time	12 units
Three-fourths time	9-11.5 units
One-half time	6-8.5 units

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 document or NOBE (Notice of Basic Eligibility for Reservists) or military transcripts to the Grossmont College Admissions and Records Office.

   and

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

ES 001	Adapted Physical Exercise
ES 002	Advanced Adapted Physical Exercise
ES 003	Adapted Aerobic Fitness
ES 004A, B or C	Beginning, Intermediate or Advanced Fitness for the Newcomer
ES 005A, B or C	Beginning, Intermediate or Advanced Aerobic Fitness and Weight Training
ES 006A, B or C	Beginning, Intermediate or Advanced Total Body Fitness
ES 007A, B or C	Beginning, Intermediate or Advanced Aerobic Walking for Fitness and Wellness
ES 009A, B or C	Beginning, Intermediate or Advanced Aerobic Dance Exercise

ES 021A, B or C	Beginning, Intermediate or Advanced Fitness for Chronic Disease and Injury Prevention
ES 023A, B or C	Beginning, Intermediate or Advanced Weight Training
ES 024A, B or C	Beginning, Intermediate or Advanced Fitness Boot Camp
ES 040A, B or C	Beginning, Intermediate or Advanced Aquatic Fitness
ES 041	Adapted Water Aerobics
ES 044A, B or C	Beginning, Intermediate or Advanced Lap Swimming for Health and Fitness

or

3. Provide a DD 214 document or NOBE (Notice of Basic Eligibility for Reservists) or military transcripts to the Grossmont College Admissions and Records Office.
   and
   Take Health Education 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 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 Disabled Student Programs and Services (DSPS), 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
- Financial aid information and application assistance
- Referral to on- and off-campus resources (e.g., DSPS, campus Veterans Affairs Office, community veterans agencies)

For more information, contact Carl Fielden, the Project Coordinator for the VRC. He can be reached at (619) 644-7111 or carl.fielden@gcccd.edu.

International Student Program

International students are encouraged to learn more detailed up-to-date information on the Grossmont College website at www.grossmont.edu/internationalstudents.

Admission

1. Applications for admission must be received by the following deadlines:
   Fall semester – June 1 for all applicants
   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.
2. TOEFL scores must be submitted in order to be considered for admission. The minimum score is 450 paper based or 45 internet computer based. The TOEFL test must be completed by the application deadline. (See information on American Collegiate English in the General Information section of this catalog.)

Full-Time Status

An international student must maintain a minimum of 12 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. Financial aid is not available for international students.
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 Student Health Services Office 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 Associated Students of Grossmont College, Inc., Office and ASGC, Inc., website at www.asgcinc.org. 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 approximately two to four weeks prior to the start of each semester.

Student Body Diversity

For information regarding the diversity of the college's student body, please contact the Office of Student Affairs; room 60-204, (619) 644-7600, 8800 Grossmont College Dr., El Cajon, CA 92020-1799.

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 Associate Dean of Student Affairs.

Computer Software Copyrights

Computer software is protected by the Federal Copyright Act of 1976. The following guidelines apply to the use of College acquired software:

1. 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 by the producer, may permit unlimited copies for 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. In this case, duplicates shall be clearly labeled as Grossmont College copies of licensed software.
   - **c.** Some software, in particular programming languages, allow 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 or 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.
2. 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 elect not to extend computer services to persons who have been identified as engaging in these acts.
3. The user is responsible for complying with whatever terms or conditions are specified in the license agreement or copyright statement which accompanies individual software acquisition.

Academic Renewal

When previously recorded Grossmont College work is substandard and not reflective of a student's present level of demonstrated ability this policy will allow alleviation of substandard work. Academic renewal cannot be used to set aside semesters containing course work which has been used to meet degree, certificate or certification requirements. Two semesters may be alleviated; only complete semesters may be alleviated, i.e., not individual courses. Summer session, if it is to be alleviated, will be counted as a semester.

When courses are alleviated, grades in courses taken during the semester to be alleviated remain on the student's record but are not used in the computation of the GPA. Academic renewal actions are irreversible.

Criteria

Substandard work completed at Grossmont College may be alleviated subject to all of the following criteria:

1. The student has requested the action formally and has presented evidence that work completed in the semester(s) under consideration is substandard and not representative of present scholastic ability and level of performance.
2. Since the end of the semester to be alleviated one or more years have elapsed and the student has completed 20 units with at least a 2.5 GPA, or 30 units with at least a 2.0 GPA. Work completed at another accredited institution can be used to satisfy this requirement. Units completed with "P" (Pass) grades will be excluded and not counted toward fulfillment of this requirement.

Procedure

1. The Petitions Committee shall review all requests for academic renewal. Prior to a determination, the student must submit official transcripts from all colleges attended.
2. The student must formally request a review of substandard work to be alleviated. The committee will determine if all criteria have been met and if one or two semesters shall be alleviated. Determination by the committee shall be final.
3. In the event of admission to Grossmont College as a transfer student from other colleges where course work has been alleviated, such alleviated work will be counted toward the maximum of alleviated work allowed. (A student is allowed a total of two semesters, regardless of the number of institutions attended.) If the other institution allowed alleviation of partial semesters, the work in question shall be counted as one semester of alleviation for the purposes of this policy.
4. 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 legible on the record insuring a true and complete academic history.

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 "authorization code (add code)" issued by the instructor or submit the completed "Change of Program 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 overloads will require an appointment with the Dean of Counseling and Enrollment Services.

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.

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 second 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 $18, 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 semester 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

Satisfactory completion of courses (i.e., 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 by Examination

Credit may be granted to any student who satisfactorily passes an examination approved and conducted by proper authorities of Grossmont College. Credit by examination shall not count toward the residence requirement for graduation nor shall it count toward verification of full-time status. Such credit may be granted only:

1. To a student who is registered at Grossmont College.
2. For a course listed in the catalog of Grossmont College and identified in the class schedule as one for which credit by examination may be granted.
3. In an amount not greater than the credit listed for the course.
4. To a student who has not enrolled in or completed the same course or an advanced course in the area in which credit by examination is requested. A student who drops a course during the first four weeks of a full semester course will not be considered as enrolled for the purposes of credit by exam.

Credit by exam must be completed by the fourth week of the full semester course.

Information concerning those courses in which credit by examination may be granted is found in the class schedule.

Credit earned by examination shall be appropriately annotated on the college transcript.

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 cannot be counted as transferable units.

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, submit your military transcript to Admissions and Records and complete the 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.

Dismissal 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.

Dropping Courses

A student may drop courses online or submit a "Change of Program Card" to the Admissions and Records Office. Classes dropped during the program adjustment period do not appear on the student's transcript. All withdrawals must be initiated prior to the end of the 12th week of a full semester course (a proportionate amount of time for short-term classes). Students should be aware that the "W" will be taken into consideration in determination of progress alert or disqualification status.

Withdrawal from a class after the drop deadline shall 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. The student must file a petition with documentation to the Petitions Committee.

Military withdrawals shall be authorized when a student who is a member of an active or reserve United States military service receives orders compelling a withdrawal from courses. Military withdrawals shall not be counted in progress alert and dismissal calculations.

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 exams may also be used to certify areas on CSU GE-Breadth and IGETC. In order to receive credit, students must submit official scores (transcripts) to the Admissions and Records Office. If a student receives External Exam credit and then takes the equivalent Grossmont College course, the unit credit for duplication will be deducted prior to being awarded the AA/AS degree.

The following charts show the exams, the equivalent course (s), if any, at Grossmont College, and the specific area of Grossmont College, CSU GE Breadth, and IGETC general education requirements that may be cleared. For exams not on this list, see the Articulation Officer.

Examinations may be incorporated into the certification of CSU or IGETC General Education Breadth requirements by any certifying institution. All CSU and UC campuses will accept the minimum units shown and apply them toward fulfillment of the designated GE area if the examination is included as part of a full or subject-area certification. Please note that individual campuses may choose to grant more units than those specified toward completion of GE requirements. See individual university catalogs or check with a counselor.

Advanced Placement (AP)

Students planning to transfer without a CSU or IGETC certification should check the catalog of the four-year institution to see how AP credits are awarded; award varies. Additional units may count for elective units toward eligibility for admission to a CSU or UC; check with a counselor.

To obtain AP transcripts, students may visit www.collegeboard.org or contact AP Services at 609-771-7300 or toll free at 888-225-5427.

College Level Examination Program (CLEP)

Students intending to transfer should check with the college counseling office or transferring institution to determine their policy. Students are cautioned that CLEP policies vary among colleges in both the number of units awarded and acceptable scores for receiving credit. The CSU has approved the application of CLEP on GE certifications. Students should see a counselor for information about the awarding of CLEP credit for Grossmont College's general education areas as well as the application of CLEP on CSU GE breadth certifications.

To obtain CLEP transcripts, visit www.collegeboard.org.

International Baccalaureate (IB)

Examinations will be evaluated for specific course credit to satisfy a major requirement or to clear a prerequisite by the appropriate instructional department. 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, award varies.

To request IB transcripts, students may contact International Baccalaureate at www.ibo.org.

The IB curriculum offers language at various levels for native and non-native speakers. Language B courses are offered at the intermediate level for non-natives. Language A3 does not clear English-Written Communication.

Advanced Placement (AP) Examinations

CSU and UC course-to-course equivalencies for major preparation may require higher scores. See individual university catalogs for more information.

AP Exam & Required Minimum Score	Grossmont Course Equivalent & College Credit (Semester Units)	Grossmont College GE Area (Semester Units)	CSU GE Certification Area (Semester Units)	IGETC Certification Area (Semester Units)	CSU (Semester) & UC (Semester / Quarter) Admission Units
Art History 3	ART 140, 141 6 units	C3 3 units	C1 or C2 3 units	3A or 3B 3 units	CSU: 6 UC: 5.3 / 8
#Art Studio – 2D	ART 120 3 units	C3 3 units	N/A	N/A	CSU: 3 UC: 5.3 / 8
#Art Studio – 3D	ART 120 3 units	C3 3 units	N/A	N/A	CSU: 3 UC: 5.3 / 3
#Art Studio – Drawing	ART 124 3 units	C3	N/A	N/A	CSU: 3 UC: 5.3 / 8
Biology 3	BIO 120 4 units	B1- w/lab 4 units	B2 & B3 4 units	5B & 5C 4 units	CSU: 6 UC: 5.3 / 8
*Calculus AB 3	MATH 180 5 units	*A3 3 units	*B4 3 units	*2A 3 units	*CSU: 3 *UC: 2.6 / 4
*Calculus BC 3	MATH 280 4 units	*A3 5 units	*B4 3 units	*2A 3 units	*CSU: 6 *UC: 5.3 / 8
Chemistry 3	CHEM 141, 142 10 units	B2 - w/lab 4 units	B1 & B3 4 units	5A & 5C 4 units	CSU: 6 UC: 5.3 / 8
Chinese: Language & Culture 3	CHIN 120, 121 10 units	C2 3 units	C2 3 units	3B 3 units	CSU: 6 UC: 5.3 / 8
*Computer Science A or AB 3	CSIS 293 4 units	N/A	N/A	N/A	*CSU: 3 *UC: 1.3 / 2
Economics - Macroeconomics 3	ECON 120 3 units	D1 3 units	D2 3 units	4B 3 units	CSU: 3 UC: 2.6 / 4
Economics - Microeconomics 3	ECON 121 3 units	D1 3 units	D2 3 units	4B 3 units	CSU: 3 UC: 2.6 / 4
English Language & Composition 3	ENGL 120 3 units	A1 3 units	A2 3 units	1A 3 units	CSU: 6 UC: 5.3 / 8 maximum credit for both English Exams
English Literature & Composition 3	ENGL 120, 122 6 units	A1 & C2 6 units	A2 & C2 6 units	1A or 3 B 3 units	CSU: 6 UC: 5.3 / 8 maximum credit for both English Exams
Environmental Science (Fall '09, no longer offered.) 3	Elective credit 4 units	B2 – w/lab 4 units	B1 & B3 4 units	5A & 5C 3 units	CSU: 4 UC: 2.7 / 4
French Language 3	FREN 120, 121 10 units	C2 5 units	C2 3 units	3B & 6A 3 units	CSU: 6 UC: 5.3 / 8
Geography 2 (Human Geography) 3	GEOG 130 3 units	D1 3 units	D5 3 units	4E 3 units	CSU: 3 UC: 2.6 / 4
German Language 3	GERM 120, 121 10 units	C2 5 units	C2 3 units	3B & 6A 3 units	CSU: 6 UC: 5.3 / 8

AP Exam & Required Minimum Score	Grossmont Course Equivalent & College Credit (Semester Units)	Grossmont College GE Area (Semester Units)	CSU GE Certification Area (Semester Units)	IGETC Certification Area (Semester Units)	CSU (Semester) & UC (Semester / Quarter) Admission Units
History – European 3	HIST 105, 106 6 units	C1 3 units	C2 or D6 3 units	3B or 4F 3 units	CSU: 6 UC: 5.3 / 8
History – United States 3	HIST 108, 109 6 units	D3 3 units	C2 or D6 & US 1 3 units	3B or 4F & US 1 3 units	CSU: 6 UC: 5.3 / 8
History – World 3	HIST 100, 101 6 units	C1 3 units	C2 or D6 3 units	3B or 4F 3 units	CSU: 6 UC: 5.3 / 8
Italian - Language & Culture (Fall '10 no longer offered). 3	ITAL 120, 121 10 units	C2 5 units	C2 3 units	3B & 6A 3 units	CSU: 6 UC: 5.3 / 8
Japanese - Language & Culture 3	JAPAN 120, 121 10 units	C2 5 units	C2 3 units	3B & 6A 3 units	CSU: 6 UC: 5.3 / 8
Latin - Vergil 3	Elective Credit 3 units	C2 3 units	C2 3 units	3B & 6A 3 units	CSU: 3 UC: 2.6 / 4
Music Theory 3 (Fall 09, no longer offered.)	MUS 105, 106 8 units	N/A	C1 3 units	N/A	CSU: 6 UC: 5.3 / 8
**Physics B 3	Elective Credit 4 units	B2 w/lab 4 units	B1 & B3 4 units	5A & 5C 4 units	**CSU: 6 **UC: 5.3 / 8
**Physics C: Electricity & Magnetism 3	PHYC 131 4 units	B2 w/lab 4 units	B1 & B3 4 units	5A & 5C 3 units	**CSU 4 **UC: 2.6 / 4
**Physics C: Mechanics 3	PHYC 130 4 units	B2 w/lab 4 units	B1 & B3 4 units	5A & 5C 3 units	CSU: 4 UC: 2.6 / 4
Psychology 3	PSY 120 3 units	D2 3 units	D9 3 units	4I 3 units	CSU: 3 UC: 2.6 / 4
Political Science – Comparative- Government & Politics: 3	POSC 124 3 units	D1 3 units	D8 3 units	4H 3 units	CSU: 3 UC: 2.6 / 4
Political Science - United States Government & Politics: 3	POSC 121 3 units	D3	D8 & US 2 3 units	4H & US 2 3 units	CSU: 3 UC: 2.6 / 4
Statistics 3	MATH 160 3 units	A3	B4 3 units	2A 3 units	CSU:3 UC: 2.6/4
Spanish: Language 3	10 units SPAN 120, 121 10 units	C2 5 units	C2 3 units	Area 3B & 6A 3 units	CSU: 6 UC: 5.3 / 8
Spanish: Literature 3	Elective Credit 3 units	C2 3 units	C2 3 units	3B & 6A 3 units	CSU: 6 UC: 5.3 / 8

UC maximum for Art Studio is 5.3 semester units or 8 quarter units for all exams.

* If a student passes more than one exam in calculus or computer science, only one may be applied to CSU/ UC baccalaureate.

** If a student passes more than one AP exam 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 GE Breadth.

CLEP (College Level Examination Program) Examinations

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

CLEP Exam & Required Minimum Score	Grossmont College Credit (Semester Units)	Grossmont College GE Area (Semester Units)	CSU GE (Semester Units)	CSU Admission (Semester Units)
American Government 50	*3	D3 3 units	D8 3 units	3
American Literature 50	*3	C2 3 units	C2 3 units	3
Analyzing & Interpreting Literature 50	*3	C2 3 units	C2 3 units	3
Biology 50	3	B1 - no lab 3 units	B2 - no lab 3 units	3
**Calculus 50	*3	A3 3 units	B4 3 units	3
Chemistry 50	*3	B2 - no lab 3 units	B1 - no lab 3 units	3
**College Algebra 50	*3	A3 3 units	B4 3 units	3
**College Algebra – Trigonometry 50	*3	A3 3 units	B4 3 units	3
**College Mathematics 50	*3	A3 3 units	N/A	N/A
*** English Composition or Modular 50	*3	A1 3 units	N/A	N/A
English Literature 50	*3	C2 3 units	C2 3 units	3
Financial Accounting 50	*Elective Credit 3	N/A	N/A	3
**French Level I 50	*5	C2 5 units	N/A	6
**French Level II 59	*10	C2 5 units	C2 3 units	12
**German Level I 50	*5	C2 5 units	N/A	6
**German Level II 60	*10	C2 5 units	C2 3 units	12
History of US I 50	*3	D3 3 units	D6 & US-1 3 units	3
History of US II 50	*3	D3 3 units	D6 & US-1 3 units	3
Human Growth & Development 50	*3	D2 3 units	Area E 3 units	3
Humanities 50	*3	C1, C2 or C3 3 units	C2 3 units	3
Information Systems & Computer Applications 50	*Elective Credit 3	N/A	N/A	3

CLEP Exam & Required Minimum Score	Grossmont College Credit (Semester Units)	Grossmont College GE Area (Semester Units)	CSU GE (Semester Units)	CSU Admission (Semester Units)
Introduction to Educational Psychology 50				
Introductory Business Law 50	*Elective Credit 3	N/A	N/A	3
Introductory Psychology 50	*3	D2 3 units	D9 3 units	3
Introductory Sociology 50	*3	D2 3 units	D10 3 units	3
Natural Sciences 50	3	B1 or B2 - no lab 3 units	B1 or B2 - no lab 3 units	3
*Pre-Calculus 50	*3	A3 3 units	B4, units	3
Principles of Accounting 50	*3	N/A	N/A	3
Principles of Macroeconomics 50	*3	D1 3 units	D2 3 units	3
Principles of Management 50	*Elective Credit 3	N/A	N/A	3
Principles of Marketing 50	*Elective Credit 3	N/A	N/A	3
Principles of Microeconomics 50	*3	D1 3 units	D2 3 units	3
Social Sciences & History 50	3	D1 or D3 3 units	N/A	N/A
**Spanish Level 1 50	*5	C2 5 units	N/A	6
**Spanish Level II 63	*10	C2 5 units	C2 3 units	12
Trigonometry 50	*3	A3 3 units	B4 3 units	3
Western Civilization I 50	*3	C1 or D1 3 units	C2 or D6 3 units	3
Western Civilization II 50	*3	C1 or D1 3 units	D6 3 units	3

*At the discretion of the faculty, CLEP may be used to clear major requirements. A Modification of Major form must be submitted to the appropriate department chair for approval; however, the Biology Department does not accept CLEP for any course listed that requires a lab.

**If more than one exam in the same language (e.g. two exams in French) is passed, only one examination may be applied toward CSU GE. No subsequent credit for math that serves as a prerequisite up to this level.

***On July 1, 2010, CLEP introduced two new exams—College Composition and College Composition Modular. These exams replaced three current exams, which have been discontinued: English Composition has been replaced by College Composition Modular, English Composition with Essay has been replaced by College Composition, Freshman College Composition has been replaced with College Composition Modular.

International Baccalaureate (IB) Examinations

IB Exam & Required Minimum Score	Grossmont College Credit (Semester Units)	Grossmont GE Area (Semester Units)	CSU GE Certification Area (Semester Units)	IGETC Certification Area (Semester Units)	CSU (Semester) & UC (Semester / Quarter Admission Units
Biology HL 5	6	B1 - no lab 3 units	B2 - no lab 3 units	5B - no lab 3 units	CSU: 6 UC: 5.3 / 8
Chemistry HL 5	6	B2 - no lab 3 units	B1 - no lab 3 units	5A - no lab 3 units	CSU: 6 UC: 5.3 / 8
Economics HL 5	3	D1 3 units	D2 3 units	4B 3 units	CSU: 3 UC: 5.3 / 8
Film 4	Elective Credit 3	N/A	N/A	N/A	N/A
Geography HL 5	6	D1 3 units	D5 3 units	4E 3 units	CSU: 6 UC: 5.3 / 8
History (any region) HL 5	6	C1 or D1 3 units	C2 or D6 3 units	3B or 4F 3 units	CSU: 6 UC: 5.3 / 8
*Language A1 (any language) HL 4 : Grossmont & CSU 5: IGETC & UC	6	C2 3 units	C2 3 units	3B and 6A 3 units	CSU: 6 UC: 5.3 / 8
*Language A2 (any language) HL 4 : Grossmont & CSU 5 : IGETC & UC	6	C2 3 units	C2 3 units	3B 3 units	CSU: 6 UC: 5.3 / 8
Language B (any language) HL7 5	Elective Credit 6	N/A	N/A	6A 3 units	CSU: 3 UC: 5.3 / 8
Mathematics HL 5	6	A3 3 units	B4 3 units	2A 3 units	CSU: 6 UC: 5.3 / 8
Physics HL 5	6	B2 - no lab 3 units	B1 - no lab	5A - no lab 3 units	CSU: 6 UC: 5.3 / 8
Psychology HL 5	3	D2 3 units	D9 3 units	4I 3 units	CSU: 3 UC: 5.3 / 8
Theatre HL 4 - Grossmont & CSU 5 - IGETC & UC	6	C3 3 units	C1 3 units	3A 3 units	CUS: 6 UC: 5.3 / 8

*The IB curriculum offers language at various levels for native and non-native speakers. Language B courses are offered at the intermediate level for non-natives. Language A1 and A2 are advanced courses in literature for native and non-native speakers, respectively.

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 Counseling and Enrollment Services has been designated by the institution to coordinate the inspection and review procedures for student education records.

Final Grades

In the absence of mistake, fraud, incompetency or bad faith, the determination of the student's grades by the instructor shall be final once grades have been submitted. Questions regarding final grades must be brought to the attention of the appropriate divisional dean during the semester immediately following the class in question.

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.

Grading System

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:

A+
A Excellent
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).

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 shall be used only in courses which are offered on an "open entry/open exit" basis. It 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 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.

If a student enrolled in an "open entry/open exit" course is assigned an IP at the end of an attendance period and does not re-enroll in that course during the subsequent attendance period, the instructor will assign a grade to be recorded on the student's permanent record for the course.

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, 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:

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 point per unit earned
F	0.0	grade points per unit attempted

Grade point average is computed by dividing total units attempted into total grade points earned. Decisions on probation and disqualification, 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.

Pass/No Pass

(Formerly Credit/No Credit)

The Pass/No Pass (P/NP) (formerly Credit/No Credit) grading option is offered so that students may explore subject areas of interest outside those of their known abilities or assumed competence without competing for grades with students who are majoring in that subject.

In any course offered at Grossmont College, a student may

elect to be graded on a P/NP basis providing the course is not part of the major (except for department approved courses graded on a P/NP basis only). In all cases, a student enrolled in a course must have met course prerequisites.

A maximum of 12 credit units earned at Grossmont College with P grades may be counted in satisfaction of general education and elective curriculum requirements for graduation. Grades received from other accredited institutions may be applied as credit, when appropriate, toward graduation.

Some courses in the curriculum are offered exclusively on a P/NP basis. Credit units earned in these courses are exempt from the 12 unit restrictions. In all other nonmajor courses, the election to be graded on a P/NP is at the option of the student. Students electing to be graded on a P/NP basis shall establish that option by submitting the appropriate form to the Admissions and Records Office by the end of the fifth week of the semester. (Short-term classes will be allowed a proportionate amount of time.) Once the P/NP deadline has passed, the decision is irrevocable.

A P grade shall represent at least a satisfactory level of performance but shall not be counted as units attempted in computing grade point average.

An NP grade indicates unsatisfactory completion of course requirements but will not be counted as units attempted in computing grade point average. NP grades will be taken into consideration in the determination of progress alert or disqualification status.

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 Matriculation Coordinator 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 Disqualification

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.

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.

Disqualification

Any student disqualified 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 disqualifications after the fall semester due to the fact that students traditionally enroll before fall grades are available. Disqualification 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 Disqualification**
   Any student on academic probation whose semester grade point average falls below 2.0 shall be academically disqualified. 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 Disqualification**
   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 disqualified. 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 disqualified may petition for readmission. The petition must be initiated at the college in which disqualification occurred. A student who has not attended for one semester after disqualification is eligible to reapply 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

1. 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. 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. 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 permanent record card 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" grade or higher was earned except by petition under extenuating circumstances and must be needed to meet an educational objective. A minimum of three years since the completion of the course must have elapsed before a petition can be filed. 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.

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.

Students may be granted a waiver to the limitation upon petition to a college in the District. 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 Code of Conduct

The Associate Dean of Student Affairs in conjunction with the President and Vice President of Student Services manages the District's Student Discipline Procedures administratively for Grossmont College to ensure a safe environment for members of the campus community for their academic studies and/or for work.

Students are subject to adhering to the policies and procedures of the Grossmont-Cuyamaca Community College District, as well as all federal, state, and local laws. Students are subject to charges of misconduct when violations are committed on district-owned or controlled property or district-sponsored activities.

Student conduct must conform to district and college rules and regulations. If a Student Code of Conduct violation occurs while a student is enrolled, he or she may be issued administrative action.

Grounds for Disciplinary 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 within the District, to include distance education programs, he or she may be disciplined for one or more of the following causes that must be District related. These categories of behavior are not intended to be an exhaustive list, but are examples of causes and are good and sufficient causes for discipline, including but not limited to the removal, suspension, or expulsion of a student. Other misconduct not listed may also result in discipline if good cause exists (Education Code Section 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. This includes 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 a District employee and the Vice President, 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.
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 byDistrict 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.
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. District students who engage in any of the above are subject to the procedures outlined in AP 5520 Student Discipline Procedures.

For additional information and/or a copy of the District's Student Discipline Procedures, please contact the Associate Dean of Student Affairs office at (619) 644-7600.

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 Associate Dean of Student Affairs office at (619) 644-7600.

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 Associate 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, it is worthwhile to note that California Education Code Section 76224(a) states:

> "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 incompetence, shall be final." (2004)

Student Right-to-Know rates for Fall 2008 Cohort

Completion Rate: 26.58 %
Transfer Rate: 15.06 %

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 2008, 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 2008 to Spring 2011. 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 2009 to Spring 2011, 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 overloads (21 or more units) will require an appointment with the Dean of Counseling and Enrollment Services. A copy of all college transcripts will be reviewed prior to the appointment.

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:

Fall/Spring Semester

Full-time . . . . . .12 units
Three-fourths time . . . . . .9-11 1/2 units
One-half time . . . . . .6-8 1/2 units

Summer Intersession

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

3. The load requirements for Financial Aid students are:

Fall/Spring/Summer Semester

Full-time . . . . . .12 units
Three-fourths time . . . . . .9-11 1/2 units
One-half time . . . . . .6-8 1/2 units
Less than one-half time . . . . .5-5 1/2 units

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 Associate Dean of Student Affairs for additional requirements.

Withdrawal from College

You may withdraw from college by using WebAdvisor (www.grossmont.edu) 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, students must enroll in an official work experience course and follow all regulations as specified in Title 5, Section 55254.

Degrees and Programs

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.

Continuous Attendance: Students are considered in "continuous attendance" for any semester in which they enroll in Cuyamaca College and/or Grossmont College and for the following semester. This allows a student to "stop out" for one semester and not enroll in classes and still maintain continuing student status and catalog rights in the district. Summer sessions are not included under this policy.

Disqualified students are not considered in continuous attendance and must apply for readmission should they wish to return to college.

Catalog Rights: For purposes of graduation from Cuyamaca or Grossmont College, a student who maintains continuous attendance in the Grossmont-Cuyamaca Community College District may elect to meet the requirements in effect at the time they began their studies in the Grossmont-Cuyamaca Community College District, or any catalog year thereafter. Catalog rights will start at the college where the student began and are maintained by attendance in either college. **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.

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 shall be for the protection of any student who may experience an injury while participating in a college sponsored class or other activity directly supervised by a member of the college staff at a college approved co-curricular activity.

Students that 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 Admissions and Records. Requests for exemptions will be reviewed by the Dean of Counseling and Enrollment Services and the Associate Dean of Student Affairs.

Veterans or active military see Veterans section on page 14.

Degree Requirements

Grossmont College will confer the Degree of Associate in Arts or Associate in 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 Grade Forgiveness Clause.)

III. Competency Requirement

A. 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.

B. Competency in Mathematics shown by either

1. Earning a grade of "C" or better, or "Pass," in Math 103 or a higher numbered mathematics course or

2. Assessing into Math 120 or higher through the mathematics placement process. (Students meeting competency through assessment must still take an Area A3 course.)

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, provided they are not included as part of the requirements for the major.

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.

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 on page 57.

General education requirements for Nursing majors are listed on page 90.

General education requirements for Occupational Therapy Assistant majors are listed on page 92.

General education requirements for Respiratory Therapy majors are listed on page 99.

General Education Requirements

The General Education Program offers students the opportunity to become proficient in our General Education/Institutional Student Learning Outcomes (GE/ISLOs), which are: Productive Citizenry, Understanding the Arts and Humanities, Information and Technological Literacy, Cultural Competence, Effective Communication, Mathematical Literacy, and Scientific Inquiry.

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 either

1. Earning a grade of "C" or better or "Pass" in Math 103 or a higher numbered mathematics course

or

2. Assessing into Math 120 or higher through the mathematics placement process. (Students meeting competency through assessment must still take an Area A3 course.)

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.

English 120, 124

2. Oral Communication

Communication 120, 122

3. Analytical Thinking

Must be completed with a "C" grade or higher or "Pass" to satisfy the competency requirement.

Anthropology 215
Biology 215
Geography 104
Mathematics 103, 110, 120, 125, 126, 150, 160, 170, 175, 176, 178, 180, 245, 280, 281, 284, 285

Philosophy 125, 130
Psychology 215
Sociology 215

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. Courses with an asterisk are laboratory only. **Underlined courses do not contain a laboratory component**.

1. Biological Sciences

Anthropology 130, 131*
Biology 105, 110, 112, 114, 118, 120, 140, 141, 142*, 144, 145, 152, 180, 230, 240

2. Physical Sciences

Astronomy 110, 112*, 120
Chemistry 102, 110, 113, 115, 116, 120, 141, 142, 231, 232
Geography 120, 121*, 140
Geology 104, 110, 111*, 121, 210, 220, 230
Oceanography 112, 113*
Physical Science 100, 110, 111*
Physics 110, 130, 131, 140, 240, 241
Science 110

Area C – Humanities

Two humanities courses (a minimum of six units) are required. At least ONE course must be taken from TWO of the following sections:

1. Humanities and Philosophy

American Sign Language 140
Arabic 148
Communication 145
Cross-Cultural Studies 147, 149, 152
French 152
History 100, 101, 103, 105, 106, 112, 113, 126, 135, 136, 137, 147, 148, 156, 157
Humanities 110, 120, 125, 130, 135, 160, 170
Japanese 149
Philosophy 110, 111, 112, 114, 116, 118, 140, 141, 145, 150
Religious Studies 120, 130, 140, 150
Spanish 141, 145
Theatre Arts 143, 144

2. Language and Literature

American Sign Language 120, 121, 220, 221, 250
Arabic 120, 121, 122, 123, 220, 221, 250, 251
Chinese 120, 121, 220, 221, 250, 251
Communication 137, 144
Cross-Cultural Studies 122, 123, 144, 236, 237, 238
English 112, 118, 122, 134, 135, 136, 137, 201, 203, 215, 217, 218, 219, 221, 222, 231, 232, 234, 235, 236, 237, 238, 241, 242, 275, 276, 277
French 120, 121, 220, 221, 250, 251
German 120, 121, 220, 221, 250, 251
Italian 120, 121, 220, 221, 250, 251
Japanese 120, 121, 220, 221, 250, 251
Russian 120, 121, 220, 221, 250, 251
Spanish 120, [120A*and 120B*], 121, 122, 123, 220, 221, 250, 251
*Students must complete both Spanish 120A and Spanish 120B to receive general education credit.

3. Fine Arts

Art 100, 120, 124, 126, 129, 140, 141, 142, 143, 145, 146, 147, 171, 189
Communication 135
Cross-Cultural Studies 126, 134
Dance 110
English 126
Media Communications 111, 189
Music 110, 111, 115, 116, 117, 189
Photo 150, 154
Theatre Arts 101, 110, 189

Area D – Social Sciences

Two social science courses (a minimum of six units) are required. At least ONE course must be taken from TWO of the following sections:

1. Social Sciences

Administration of Justice 110
Child Development 145
Cross-Cultural Studies 114, 124, 128, 132, 133, 135, 145, 154, 155
Economics 110, 120, 121
Geography 106, 130, 170
Health Sciences 110
History 114, 115, 124, 127, 154, 155
Media Communications 110
Political Science 120, 124, 130, 150, 160
Sociology 114

2. Behavioral Sciences

Anthropology 120, 140
Child Development 115, 125, 131, 134, 153
Communication 124, 128
Cross-Cultural Studies 115, 125, 153
Family Studies 115, 120
Health Education 120, 155, 158, 201
Psychology 120, 125, 130, 132, 134, 138, 170
Sociology 120, 125, 130, 138, 140

3. U.S. History and Government

Cross-Cultural Studies 118, 119, 130, 131, 150, 151, 180, 181
History 108, 109, 118, 119, 122, 123, 130, 131, 150, 151, 180, 181
Political Science 121, 140

Area E – Fitness/Wellness

Two courses involving physical exercise and/or dance are required. Veterans or active military see Veterans section on page 14. Requirements can be met from the exercise science and/or dance courses listed below.

Dance 068, 071A, 071B, 072A, 072B, 074A, 074B, 078A, 078B, 080A, 080B, 080C, 080D, 081A, 081B, 081C, 081D, 082A, 082B, 084A, 084B, 084C, 084D, 088A, 088B, 088C, 088D, 094A, 094B, 094C, 094D, 099A, 099B, 099C, 116

Exercise Science 001, 002, 003, 004A, 004B, 004C, 005A, 005B, 005C, 006A, 006B, 006C, 007A, 007B, 007C, 008, 009A, 009B, 009C, 017A, 017B, 017C, 021A, 021B, 021C, 023A, 023B, 023C, 024A, 024B, 024C, 027, 028A, 028B, 028C, 029, 030, 035, 037A, 037B, 037C, 039, 040A, 040B, 040C, 041, 043A, 043B, 043C, 044A, 044B, 044C, 060A, 060B, 060C, 076A, 076B, 076C, 120A, 120B, 120C, 121, 125A, 125B, 125C, 130A, 130B, 130C, 135, 136, 150, 155A, 155B, 155C, 156, 170A, 170B, 170C, 171A, 171B, 171C, 172A, 172B, 172C, 175A, 175B, 175C, 180, 185A, 185B, 185C, 200, 201, 202

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 his/her 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 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 insure 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. Application for Graduation

It is the responsibility of the student who expects to graduate to have all college transcripts on file prior to filing a written 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. (See calendar in front of catalog for exact deadlines.)

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.

X. 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 or the University Studies Degree.

B. 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.

C. 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).

XI. 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. For those students electing to graduate with a multiple major, a single diploma is issued with both majors listed. A General Studies Major cannot be included as part of the multiple major. Students are not eligible to receive multiple University Studies degrees.

XII. 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; Business Administration; Business-General; Business Office Technology; Chemistry; Child Development; Computer Science Information Systems; Culinary Arts, Culinary Arts–Line Cook; Dance; Disability Services Management; English; Exercise Science and Wellness; French; German; Hospitality and Tourism Management; International Business; Management; Marketing; Media Communications; Multimedia; Musical Theatre; Orthopedic Technology; Respiratory Therapy–Anesthesia Technology, 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 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.

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.

XIII. 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.

Certificates of Proficiency are offered in the following areas: Administration of Justice–California Public Safety Leadership and Ethics Program; Corrections Academy; 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; Cardiovascular Technology–Telemetry/EKG Technician, Child Development–Associate Teacher; Computer Science Information Systems–Computer Applications Specialist Assistant; Cross-Cultural Studies–Tribal Gaming: Culture and Policies; Culinary Arts–Banquet Cook; Line Cook; Pastry Cook and Prep Cook.

Transfer Planning

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 10 campuses and private, independent colleges in California provide a wide range of academic programs, physical and academic environments, and social climates. Grossmont College offers the equivalent of the first two years of these four-year college and university degrees. Students wishing to pursue any of these educational alternatives 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 or university. After you've selected a college or university, make an appointment with a counselor and you will need to develop and complete a course of study in preparation for transfer, and complete the application process. Students are encouraged to make an appointment with a counselor and take advantage of the resources and assistance available in the University Transfer Center.

All colleges and universities have specific admission requirements and may have course and unit requirements, as well as minimum grade point averages (GPA) that must be met prior to transfer. Four-year colleges and universities require students to complete specific general education and preparation for the major requirements. Students should complete as many of these requirements as possible before they transfer. The Articulation Office develops and maintains transfer articulation agreements with local colleges and universities which list courses that satisfy general education requirements and preparation for the major. Grossmont College 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 web address is 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. ASSIST is available to everyone on the World Wide Web. The address is www.assist.org.

Transfer Admission Guarantee (TAG) agreements are available to Grossmont students interested in transferring to University of California–San Diego, UC Davis, UC Santa Cruz, UC Santa Barbara, UC Irvine, UC Riverside and UC Merced. For more information, visit the University Transfer Center website at www.grossmont.edu/transfercenter.

Associate In Arts For Transfer (A.A.-T) or Associate In Science For Transfer (A.S.-T)

California Community Colleges are now offering associate degrees for transfer to the CSU. These may include Associate in Arts (A.A.-T) or Associate in Science (A.S.-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 A.A.-T or A.S.-T degree are guaranteed admission with junior standing somewhere in the CSU system and given priority admission consideration to their local CSU campus or to a program that is deemed similar to their community college major. This priority does not guarantee admission to specific majors or campuses.

Students who have been awarded an A.A.-T or A.S.-T are able to complete their remaining requirements for the 120-unit baccalaureate degree within 60 semester or 90 quarter units.

Associate Degrees for Transfer are listed in the Associate Degree Programs (page 41) by subject. 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 web site: www.grossmont.edu/articulation

The California State University (CSU)

The California State Universities 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:

Bakersfield*
California Maritime Academy
Cal Poly, Pomona*
Cal Poly, San Luis Obispo*
Channel Island
Chico
Dominguez Hills
East Bay*
Fresno
Fullerton
Humboldt
Long Beach
Los Angeles*
Monterey Bay
Sacramento
San Bernardino*
San Diego
Northridge
San Francisco
San Jose
San Marcos
Sonoma
Stanislaus

*Indicates quarter term colleges or universities

General Education Certification

Upon request of the student, at the time of transfer, the Evaluations Office of 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 pattern for transfer students. A student who transfers to a campus in the California State University system will be recognized as having satisfied the lower division general education requirements. Some colleges and universities in the CSU system may require additional units of general education course work at the upper division level.

Applying For Admission

All California State Universities are on a "Common Admissions Program." You must apply for admission online at www.csumentor.edu . Carefully follow the instructions shown on the online application.

Application Filing Periods		Opens On
*Winter Quarter	2014	June 1, 2013
*Spring Semester or Quarter	2014	August 1, 2013
Fall Semester or Quarter	2014	October 1, 2013

*Most CSU campuses will not offer winter/spring admission cycles.

Courses Accepted For Transfer to the California State University (CSU)

Please check the ASSIST website (www.assist.org) or the course descriptions in the courses of instruction area of the 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.

SDSU TAG (Transfer Admission Guarantee) Criteria

Grossmont College is considered a service-area college to San Diego State University (SDSU). This program guarantees priority admission ranking to SDSU.

Students in the service area will be ranked for admission. For information, visit the SDSU information site: www.grossmont.edu/transfercenter/sdsuguarantee.asp and http://arweb.sdsu.edu/es/transfers/associate-transfer.html

The Grossmont Transfer Center site: www.Grossmont.edu/transfercenter includes updated information and resources. Students are encouraged to visit the Transfer Center and meet with a counselor for more information.

General Education Breadth Requirements for the California State University (CSU)

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 general education breadth requirements list at the time the course was taken. Please check 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. 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.**

Certification is a legal agreement between the CSU system and community colleges in California. Certification is authorized by state law to assure that CSU general education requirements met at Grossmont College (and other community colleges) will satisfy the lower division general education requirements at San Diego State University and other state colleges and universities.

Each campus may have a slightly different program. Failure to complete full certification will cause courses to be reviewed differently at each campus.

Report any problems encountered with certification of general education for transfer to one of the counselors at Grossmont College. The counselor will assist you in trying to resolve any transfer problem and the information you provide will assist in clarification of the certification procedures. Certification applies to the CSU system only (not applicable to the University of California system).

Grossmont College will certify each course in the following pattern, with a minimum of 39 units for all areas, A through E. Certification is based on course work completed at Grossmont College and all other institutions which have a list of approved certifiable courses on file in the CSU Chancellor's Office. Course work from all other accredited colleges and universities, including private and out-of-state, will be reviewed for certification of those courses deemed equivalent to courses on the Grossmont College list.

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.

2013-2014 General Education Breadth Requirements for the California State Universities (CSU)

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".

1. **Oral Communication**
   Communication 120, 122
2. **Written Communication**
   English 120
3. **Critical Thinking**
   Communication 137, 145
   English 124
   Philosophy 125, 130
   Science 110

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. **Underlined courses do not contain a laboratory component.** The lab must complement the science lecture course.

1. **Physical Science**
   Astronomy 110, 120
   Chemistry 102, 110, 113, 115, 116, 120, 141, 142, 231, 232
   Geography 120, 140
   Geology 104, 110, 121, 210, 220
   Oceanography 112
   Physical Science 100, 110

Physics 110, 130, 131, 140, 240, 241
Science 110

2. Life Science

Anthropology 130
Biology 105, 110, 112, 114, 118, 120, 140, 141, 144, 145, 152, 180, 230, 240

3. Laboratory

Anthropology 131
Astronomy 112
Biology 141L, 142
Geography 121
Geology 111
Oceanography 113
Physical Science 111

4. Mathematical/Quantitative Reasoning

One course is required for admission to all CSU campuses, and must be completed with a "C" grade or higher or "Pass."

Anthropology 215
Biology 215
Mathematics 120, 125, 126, 160, 170, 175, 176, 178, 180, 245, 280, 281, 284, 285
Psychology 215
Sociology 215

Area C – Arts and Humanities

Three courses (a minimum of nine units) are required, with at least ONE course in EACH section.

1. Arts

Art 100, 120, 126, 130, 140, 141, 142, 143, 145, 146, 147
Cross-Cultural Studies 126, 134
Dance 110
Humanities 110, 120
Media Communications 111
Music 110, 111, 115, 116, 117
Photography 154
Religious Studies 140
Theatre Arts 110, 143, 144

2. Humanities

American Sign Language 120, 121, 140, 220, 221
Arabic 120, 121, 122, 123, 148, 220, 221, 250, 251
Chinese 120, 121, 220, 221, 250, 251
Communication 136, 144
Cross-Cultural Studies 122, 123, 135, 144, 147, 149, 152, 236, 237, 238
English 112, 118, 122, 201, 215, 217, 218, 219, 221, 222, 225, 226, 227, 228, 231, 232, 236, 237, 238, 241, 242
French 120, 121, 152, 220, 221, 250, 251
German 120, 121, 220, 221, 250, 251
History 100, 101, 103, 105, 106, 126, 135, 136, 137, 147, 148
Humanities 110, 120, 125, 130, 135, 160, 170
Italian 120, 121, 220, 221, 250, 251
Japanese 120, 121, 149, 220, 221, 250, 251
Philosophy 110, 111, 112, 114, 116, 118, 140, 141, 145, 150, 155
Religious Studies 120, 130, 140, 150
Russian 120, 121, 220, 221, 250, 251
Spanish 120, [120A*, 120B*], 121, 122, 123, 141, 145, 220, 221, 250, 251
Theatre Arts 143, 144

*Students must complete both Spanish 120A and Spanish 120B to receive general education credit.

Area D – Social Sciences

Three courses (a minimum of nine units) are required, courses must be taken in at least two sections.

1. Anthropology and Archeology

Anthropology 120, 140

2. Economics

Economics 110, 120, 121, 261

3. Ethnic Studies

Anthropology 120
Communication 144
Cross-Cultural Studies 114, 115, 118, 119, 124, 125, 128, 130, 131, 132, 133, 135, 143, 144, 145, 150, 151, 152, 180, 181
French 152
History 118, 119, 130, 131, 150, 151, 180, 181
Psychology 125
Sociology 114
Spanish 145

4. Gender Studies

Cross-Cultural Studies 154, 155
History 122, 123, 154, 155, 156, 157
Sociology 140

5. Geography

Geography 106, 130, 170

6. History

Cross-Cultural Studies 118, 119, 130, 131, 135, 147, 150, 151, 154, 155, 180, 181
History 100, 101, 103, 105, 106, 108, 109, 112, 113, 114, 115, 118, 119, 122, 123, 124, 126, 127, 130, 131, 136, 147, 148, 150, 151, 154, 155, 156, 157, 180, 181

7. Interdisciplinary Social or Behavioral Science

Child Development 125
Communication 124, 128
Cross-Cultural Studies 114
Family Studies 120
Media Communications 110
Political Science 155
Sociology 114, 125, 130

8. Political Science, Government, and Legal Institutions

Administration of Justice 110
Political Science 120, 121, 124, 130, 140, 150, 160

9. Psychology

Child Development 125
Cross-Cultural Studies 125
Psychology 120, 125, 130, 134, 138, 140, 150, 170, 220
Sociology 138

10. Sociology and Criminology

Child Development 115, 131, 145
Cross-Cultural Studies 114
Family Studies 115
Psychology 138
Sociology 114, 120, 125, 130, 138

Area E – Lifelong Understanding and Self Development

*One course (a minimum of three units) is required.

Business 195
Child Development 125, 145
Counseling 120
Cross-Cultural Studies 127
English 219
Family Studies 110, 120, 129
Health Education 120, 155, 158, 201, 255
Health Sciences 110

Psychology 130, 132, 134, 140, 150, 180, 220
Sociology 125

*Or DD214 or military transcript.

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 www.assist.org. Counselors are available for assistance.

U.S. History, Constitution and Government
(American Institutions)

Although this requirement is not a part of the General Education requirements for CSU, all students must complete coursework in U.S. History, Constitution and Government. The courses may also be used to partially fulfill Area D of the CSU General Education Breadth Requirements. Students are required to select either Track 1, Track 2 or Track 3 and then complete two (2) courses; one must be from Part A and one from Part B. This information is current at the time of catalog production. All official articulation and updates can be found on www.ASSIST.org and the Grossmont College Articulation web site: www.grossmont.edu/articulation.

Track 1: One course from Part A and one from Part B

Part A

History 108	Early American History
History/Cross-Cultural Studies 118	U.S. History Chicano/Chicana Perspectives I
History 122	Women in Early American History
History/Cross-Cultural Studies 130	U.S. History and Cultures: Native American Perspectives I
History/Cross-Cultural Studies 180	U.S. History: Black Perspectives I

Part B

History 109	Modern American History
History/Cross-Cultural Studies 119	U.S. History Chicano/Chicana Perspectives II
History 123	Women in Modern American History
History/Cross-Cultural Studies 131	U.S. History and Cultures: Native American Perspectives II
History/Cross-Cultural Studies 181	U.S. History: Black Perspectives II
Political Science 140	Introduction to California Governments and Politics

Track 2: One course from Part A and one from Part B

Part A

Political Science 121	Introduction to U.S. Government and Politics

Part B

History 108	Early American History
History 109	Modern American History
History/Cross-Cultural Studies 118	U.S. History Chicano/Chicana Perspectives I
History/Cross-Cultural Studies 119	U.S. History Chicano/Chicana Perspectives II
History 122	Women in Early American History
History 123	Women in Modern American History
History/Cross-Cultural Studies 130	U.S. History and Native American Perspectives I
History/Cross-Cultural Studies 131	U.S. History and Cultures: Native American Perspectives II
History/Cross-Cultural Studies 180	U.S. History: Black Perspectives I
History/Cross-Cultural Studies 181	U.S. History and Cultures: Black Perspectives II

Track 3: One course from Part A and one from Part B

Part A

History 122	Women in Early American History
History 124	History of California
Political Science 121	Introduction to U.S. Government and Politics
Political Science 140	Introduction to California Governments and Politics

Part B

History 114	Comparative History of the Early Americas
History 115	Comparative History of the Modern Americas

Intersegmental General Education Transfer Curriculum (IGETC)

The following is subject to change. Official updates are at www.assist.org. Counselors are available for assistance.

Students completing the Intersegmental General Education Transfer Curriculum may be eligible for the University Studies Certificate of Achievement. Please see page ___ for more information.

The Intersegmental Committee of the Academic Senates approved the Intersegmental General Education Transfer Curriculum (IGETC) in Fall 1991. The IGETC is a series of courses that community college students can use to satisfy lower division general education requirements at any CSU or UC campus.

The Intersegmental General Education Transfer Curriculum (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.

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.

2013-2014 Intersegmental General Education Transfer Curriculum (IGETC)

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.

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.)

1A. English Composition

English 120

1B. Critical Thinking and English Composition

English 124

1C. Oral Communication

Communication 122 (CSU requirement only)

Area 2 – Mathematical Concepts and Quantitative Reasoning

(1 course, 3 units)

2A. Anthropology 215

Biology 215
Mathematics 120*, 125*, 126*, 160, 175, 176, 178*, 180*, 245, 280, 281, 284, 285
Psychology 215
Sociology 215
*Note: See page 31 for UC credit limitations.

Area 3 – Arts and Humanities

(9 semester units)

Must include one course from Arts and one course from Humanities

3A. Arts

Art 100, 130, 140, 141, 142, 143, 145, 146, 147
Cross-Cultural Studies 126, 134
Dance 110
Music 110, 111, 115, 116, 117
Photography 154
Theatre Arts 110

3B. Humanities

American Sign Language 121, 140, 220, 221
Arabic 121, 148, 220, 221
Chinese 121, 220, 221
Communication 144
Cross-Cultural Studies 123, 133, 135, 144, 147, 149, 152, 236, 237, 238
English 122, 201, 215, 217, 219, 221, 222, 225, 226, 227, 228, 231, 232, 236, 237, 238, 241, 242
French 121, 152, 220, 221
German 121, 220, 221
History 100, 101, 103, 105, 106, 126, 135, 136, 137, 147, 148
Humanities 110, 120, 125, 130, 135, 170
Italian 121, 220, 221
Japanese 121, 149, 220, 221
Philosophy 110, 111, 112, 114, 116, 118, 140, 145, 150, 155
Religious Studies 120, 130, 140, 150
Russian 121, 220, 221
Spanish 121, 123, 141, 220, 221
Theatre Arts 143

Area 4 – Social and Behavioral Sciences

(9 semester units)

Three courses from at least two subject areas

4A. Anthropology and Archaeology

Anthropology 120, 140

4B. Economics

Economics 110, 120, 121, 261

4C. Ethnic Studies

Communication 144
Cross-Cultural Studies 114, 115, 118, 119, 125, 127, 128, 130, 131, 132, 135, 143, 144, 145, 154, 155, 180, 181
History 118, 119, 130, 131, 154, 155, 180, 181
Psychology 125
Sociology 114

4D. Gender Studies

Cross-Cultural Studies 154, 155
History 122, 123, 154, 155, 156, 157

4E. Geography

Geography 106, 130, 170

4F. History

Cross-Cultural Studies 118, 119, 130, 131, 135, 147, 150, 151, 154, 155
History 100, 101, 103, 105, 106, 108, 109, 112, 113, 114, 115, 118, 119, 122, 123, 124, 126, 127, 130, 131, 136, 147, 148, 150, 151, 154, 155, 156, 157

4G. Interdisciplinary, Social and Behavioral Sciences

Child Development 125
Communication 124
Family Studies 120
Media Communications 110
Political Science 155

4H. Political Science, Government & Legal Institutions

Administration of Justice 110
Political Science 120, 121, 124, 130, 160

4I. Psychology

Child Development 125
Cross-Cultural Studies 125
Psychology 120, 125, 130, 134, 138, 140, 150, 170, 220
Sociology 138

4J. Sociology and Criminology

Child Development 115
Cross-Cultural Studies 114
Family Studies 115
Psychology 138
Sociology 114, 120, 125, 130, 138, 140

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. (**Underlined courses do not contain a laboratory component**.)

5A. Physical Science

Astronomy 110, 120
Chemistry 102, 110, 113, 115, 116, 120, 141, 142, 231, 232
Geography 120, 140
Geology 104, 110, 121, 210
Oceanography 112
Physical Science 110
Physics 110, 130, 131, 140, 240, 241
Science 110

5B. Biological Science

Anthropology 130
Biology 105, 110, 112, 114, 118, 120, 140, 141, 144, 145, 180, 230, 240

5C. Laboratory

Take one course in this section if lab course not taken from a 5A or 5B. The lab must complement the science lecture course.

Anthropology 131
Astronomy 112
Biology 141L, 142
Geography 121
Geology 111
Oceanography 113
Physical Science 111

Area 6 – Languages Other Than English

(UC requirement only)

Proficiency equivalent of two years of high school study in the same language.

6A. Languages Other Than English

American Sign Language 120, 121, 220, 221
Arabic 120, 121, 220, 221
Chinese 120, 121, 220, 221
French 120, 121, 220, 221
German 120, 121, 220, 221
Italian 120, 121, 220, 221
Japanese 120, 121, 220, 221
Russian 120, 121, 220, 221
Spanish 120, 120A and 120B*, 121, 122, 123, 220, 221

*Spanish 120A and 120B must both be taken for IGETC credit to be granted.

UC Requirement only: Language other than English–Proficiency equivalent to two years of high school study in the same language. 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 6.

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. See page 38 for list of courses to satisfy this requirement

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:

Berkeley*	Merced*	Santa Barbara
Davis	Riverside	San Francisco
Irvine	San Diego	(Medical Center)
Los Angeles	Santa Cruz	

*Semester System

Each campus of the University of California usually accepts, at full unit value, UC transferable courses completed with satisfactory grades in the public community colleges of the state. Students intending to transfer to the university 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 the university catalog and website.

Articulation agreements have been developed with most campuses of the University of California and are available on the ASSIST website (www.assist.org). Grossmont counselors can provide assistance with transfer educational plans.

To apply for admission to the University of California as an undergraduate, apply online at www.universityofcalifornia.edu/admissions during the application months listed as follows:

Fall Quarter/Semester	2013	Nov. 1-30, 2012
*Winter Quarter	2014	July 1-31, 2013
*Spring Quarter/Semester	2014	Oct. 1-31, 2013

*Most UC campuses will not offer a winter/Spring admission cycle.

Submit your completed application online on or soon after the opening of the application period. Application workshops are available to assist you with completing the application.

Upper Division UC Transfer Admission Requirements

1. Complete 60 semester units or 90 quarter units or of transferable college credit with a minimum grade point average of 2.4, (2.8 for non-residents) and
2. Complete with a "C" grade or higher or "Pass" (no more than 14 semester/21 quarter units may be taken Pass/No Pass) a seven-course pattern requirement to include:
   - **a.** Two transferable college courses (3 semester or 4-5 quarter units each) in English composition; and
   - **b.** One transferable college course (3 semester or 4-5 quarter units) in Mathematical Concepts and Quantitative Reasoning; and
   - **c.** 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.
   - **d.** In addition to the requirements above, individual universities have specified additional requirements and transfer GPA

   or

   Complete the IGETC to fulfill lower division general education (if appropriate for UC major).

Courses Accepted For Transfer to the University Of California

The most current list of UC transferable courses is available on the ASSIST website (www.assist.org). Also, please check the course description for each course in the catalog for UC transferability. Below is a list of UC credit limitations.

University of California (UC) Credit Limitations:
Subject to change. The ASSIST website (www.assist.org) lists the most current.

ANTH/BIO/SOC/PSY 215 /MATH 160: maximum credit, one course.
ART/MCOM/MUS/THTR 189: maximum credit, one course.
BIO 120: No credit for 120 if taken after 180.
BIO 140, 141, 141L, 144, 145: maximum credit 8 units.
BIO/GEOG/GEOL/OCEA 150: maximum credit, one course.
BIO/ANTH/SOC/PSY 215 /MATH 160: maximum credit, one course.
CCS/SOC 114: maximum credit, one course.
CCS 115 and CCS/COMM 144 and COMM 124 combined: maximum credit, one course.
CCS/HIST 118, 119; 130, 131; 150, 151; 180, 181 combined with HIST 108, 109 and 122, 123: maximum credit, one series.
CCS/SPAN 122 combined with SPAN 120: maximum credit, one course.

CCS/SPAN 123 combined with SPAN 121: maximum credit, one course.
CCS/PSY 125: maximum credit, one course.
CCS/HIST 147: maximum credit, one course.
CCS/JAPN 149: maximum credit, one course.
CCS/FREN 152: maximum credit, one course.
CCS/HIST 154: maximum credit, one course.
CCS/HIST 155: maximum credit, one course.
CCS/HIST 180: maximum credit, one course.
CCS/HIST 181: maximum credit, one course.
CCS/ENGL 236: maximum credit, one course.
CCS/ENGL 237: maximum credit, one course.
CCS/ENGL 238: maximum credit, one course.
CD/FS 115: maximum credit, one course
CHEM 110, 113, 115, 116 and 120 combined: maximum credit, one course. No credit for 110, 113, 115, 116, or 120 if taken after 141.
COMM 124 and COMM/CCS 144 or CCS 115 combined: maximum credit, one course.
CSIS/MM 190: maximum credit, one course
DANC: Maximum of four semester units of credit for Physical Education (ES) activity courses.
ECON 110: No credit for 110 if taken after 120 or 121.
ENGL 130, 131, 132 and 133 combined: maximum credit, two courses.
ENGL 134, 135, 136 and 137 combined: maximum credit, two courses.
ENGL 140, 141, 142 and 143 combined: maximum credit, two courses.
ENGL 160, 161, 162 and 163 combined: maximum credit, two courses.
ENGL 175, 176, 177 and 178 combined: maximum credit, one course
ENGL 225, 226, 227, 228 combined: maximum credit, two courses.
ENGL/CCS 236: maximum credit, one course.
ENGL/CCS 237: maximum credit, one course.
ENGL/CCS 238: maximum credit, one course.
ES: maximum of four semester units of credit for Physical Education activity courses.
ES 047, 051, 250, 262, 263: maximum credit for non-activity transferable ES courses: 8 units.
ESL 103, 106, and 119: combined: maximum credit of 8 units.
FREN/CCS 152: maximum credit, one course.
FS/CD 115: maximum credit, one course
FS 120, PSY 150 and SOC 160: maximum credit, one course.
GEOG/BIO/GEOL/OCEA 150: maximum credit, one course.
GEOL/BIO/GEOG/OCEA 150: maximum credit, one course.
HIST 108, 109 or HIST/CCS 118, 119 or 130, 131or 150, 151 or 180, 181: maximum credit, one series.
HIST/CCS 147: maximum credit, one course.
HIST/CCS 154: maximum credit, one course.
HIST/CCS 155: maximum credit, one course.
HUM 120, 125, 130 and 170 combined: maximum credit, two courses.
JAPN/CCS 149: maximum credit, one course.
MATH 120, 125 and 126 credit can only be granted for either 120 or 125 and 126 combined.
MATH 160/ANTH/BIO/PSY/SOC 215: maximum credit, one course.
MATH 175 and 176: combined: maximum credit, one course.
MATH 178 and 180 combined: maximum credit, one course.
MCOM/ART/MUS/THTR 189: maximum credit, one course.
MM/CSIS 190: maximum credit, one course
MUS 105 and 106 combined with 128 and 129: maximum credit, one series.
MUS/ART/MCOM/THTR 189: maximum credit, one course.
OCEA/BIO/GEOG/GEOL 150: maximum credit, one course.
PHOT 150, 151, 154: maximum credit, one course
PHYC 110: No credit if taken after 130 or 140.
PHYC 130, 131 combined with 140, 240 and 241: maximum credit, one series. Deduct credit for duplication of topics.
PSC 110 and 111: No credit if taken after a college course in Astronomy, Chemistry, Geology or Physics.
PSY/CCS 125: maximum credit, one course.
PSY/SOC 138: maximum credit, one course.
PSY 150, FS 120 /SOC 160: maximum credit, one course.
PSY/BIO/ANTH/SOC 215 /MATH 160: maximum credit, one course.
SOC/CCS 114: maximum credit, one course.
SOC/PSY 138: maximum credit, one course.
SOC 160, FS 120 and PSY 150 combined: maximum credit, one course.
SOC/PSY/BIO/ANTH 215 /MATH 160: maximum credit, one course.
SPAN 120 combined with SPAN/CCS 122: maximum credit, one course.
SPAN 120AB combined with SPAN 120: maximum credit, one course. Both SPAN 120A and 120B must be taken for credit to be granted.
SPAN 121 and SPAN/CCS 123 combined: maximum credit, one course.
THTR/ART/MCOM/MUS 189: maximum credit, one course.

University of California at San Diego

UCSD Transfer Agreement Guarantee (TAG)

Requirements for 2013-2014:

- Work with a community college counselor to develop an educational plan
- Enroll in one or more California community colleges for at least two regular semesters and complete at least thirty UC transferable units
- The last college attended (excluding summer) must be a California community college
- All transfer students are strongly advised to complete lower-division major preparation requirements
- This agreement is available to U.S. citizens, Permanent Residents, AB540 students, and former UC students in good standing (except former UCSD students) with less than 60 UC transferable semester units or 90 UC transferable quarter units
- When you fill out the UC application, indicate you will be fully IGETC certified and you participated in the UCSD TAG program
- There are some restrictions and important deadlines. Additional information can be found on the Transfer Center Web Site: www.grossmont.edu/transfercenter . Students are encouraged to visit the Transfer Center or meet with a counselor

UNIVERSITYLINK

UniversityLink is an admission guarantee program to UCSD designed for recent high school graduates and active military/veteran students. Additional information can be found on the Transfer Center website: www.grossmont.edu/transfercenter. Students are encouraged to visit the Transfer Center or meet with a counselor.

Independent California Colleges and Universities

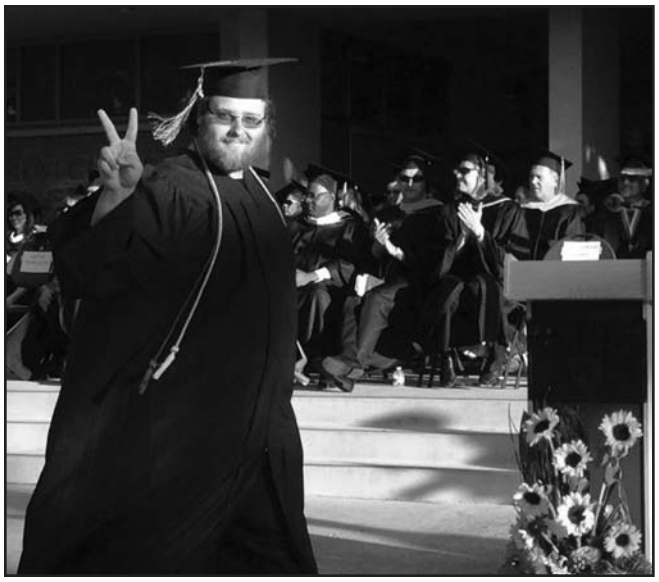
California's fully accredited independent colleges and universities provide a host of options at undergraduate, graduate, and professional levels for students planning to continue their education beyond community college.

Students who transfer to independent colleges or universities find they are given academic credit for most, if not all, of their community college studies. Virtually all 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: www.grossmont.edu/articulation or the University Transfer Center: www.grossmont.edu/transfercenter 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.



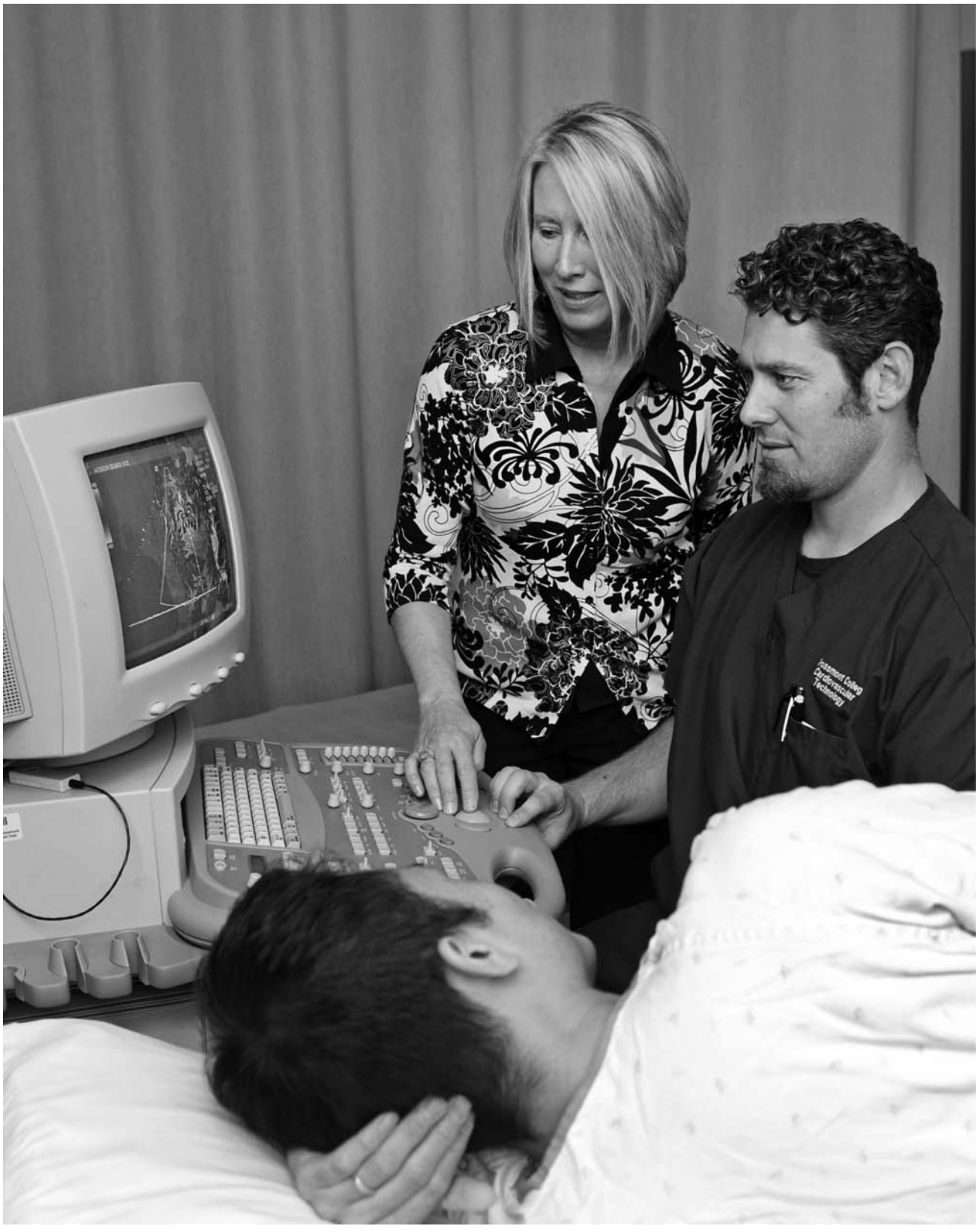





ASGC



Associate Degree Programs



Associate Degree Programs Certificates of Achievement Certificates of Proficiency

Department-issued certificate which does not appear on a student's transcript.

Courses that satisfy a degree or certificate requirement must be completed with a letter grade of "C" or higher.

Administration of Justice 45
*• Law Enforcement 45
*• Corrections 45
*• Forensic Technology 46
*• Legal Systems/Court Management 46
*• Security Management 46
◆ California Public Safety Leadership and Ethics Program 47
◆ Corrections Academy 47
+• American Sign Language 47
+• Arabic 48
Art 48
+ Ceramics 49
+ Digital Art 49
+ Drawing and Painting 49
+ Photography 49
+ Sculpture–Public Art 49
* Biological Sciences 50
*• Business Administration 51
*• Business–General 51
◆ Insurance Services 52
Business Office Technology 53
*• Administrative Assistant 53
*• Executive Assistant 53
◆ Account Clerk 54
◆ Front Office/Receptionist 54
◆ Medical Office Assistant 55
◆ Office Assistant, Level I 55
◆ Office Assistant, Level II 55
◆ Office Professional 55
◆ Office Software Specialist, Level I 56
◆ Office Software Specialist, Level II 56
◆ Virtual Office Assistant 56
Cardiovascular Technology 57
*• Invasive 59
* Adult Echocardiography 59
* Vascular Technology 59
◆ Telemetry/ECG Technician 60
*• Chemistry 60
Child Development 61
*• Child Development Master Teacher 61
*• Child Development Site Supervisor 62
◆ Associate Teacher 62
+ Communication 62
Computer Science Information Systems 63
*• Computer Programming 64
*• Local Area Network (LAN) Support Specialist 64
*• Small Computer Specialist 65
*• Web Design 65
+ Cross-Cultural Studies 66
*• Culinary Arts 67
*• Baking and Pastry 68
*• Culinary Entrepreneurship 68
◆ Banquet Cook 69
• Line Cook 69
◆ Pastry Cook 69
◆ Prep Cook 69
+• Dance 70
*• Disability Services Management 71
+ Economics 71
+• English 72
+• Creative Writing 73
*• Exercise Science and Wellness 74
*• Athletic Training 75
◆ Fitness Specialist 75
+• French 75
+ General Studies–Humanities and Fine Arts 76
* General Studies–Science and Quantitative Reasoning 76
+ General Studies–Social and Behavioral Sciences 77
+ General Studies–Wellness and Self-Development 77
* Geography 78
* Geology 78
+• German 79
+ History–Associate in Arts for Transfer 80
*• Hospitality and Tourism Management 81
*• International Business 82
+ Japanese 83
*• Management 83
*• Marketing 84
* Mathematics 85
Media Communications 85
+• Audio Production 86
+• Cross Media Journalism 86
+• Video Production 87
Multimedia 87
*• Software Development 88
*• Video 88
*• Visual Design 88
*• Web Authoring 88
Music 88
+ Classical Studies 89
+• Musical Theatre 89
* Nursing 90
* Occupational Therapy Assistant 92
* Oceanography 94
*• Orthopedic Technology 95
+ Philosophy 96
* Physics 97
+ Political Science 97
+ Psychology, Associate in Arts–for Transfer 98
* Respiratory Therapy 99
• Anesthesia Technology 101
*• Retail Management 101
+• Russian 102
+ Sociology, Associate in Arts–for Transfer 103
+• Spanish 104
Theatre Arts 104
+• Acting 104
+• Technical 105
+• Technical Training Program 106
◆ Tribal Gaming: Culture and Policies 106
• University Studies 106
+ Business and Economics 107
+ Communication and Language Arts 107
+ Humanities and Fine Arts 108
* Mathematics and Natural Science and Computer Science 108
+ Social and Behavioral Sciences 109

* A.S. Degree
\+ A.A. Degree
• Certificate of Achievement
◆ Certificate of Proficiency
(Department-issued certificate which does not appear on a student's transcript.)

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.

Administration of Justice

Students planning careers in Administration of Justice may elect a program from the five options that follow: Law Enforcement, Corrections, Legal Systems/Court Management, 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 seeking careers as court clerks or other entry-level judicial systems-related personnel should specialize in Legal Systems/Court Management. 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 an Emergency Dispatch course.

Career Opportunities

Adjudicator/Judge*
Arson Investigator
Bar Examiner*
Correctional Officer
Crime Lab/Forensic Technician
Dispatcher
District Attorney*
Lawyer/Prosecutor/Public Defender*
Evidence Technician/Specialist
Federal Law Enforcement*
- Border Patrol Agent*
- FBI*
- Immigration and Customs Enforcement
- Postal Inspector
- Transportation Security Administration Officer
- Treasury Agent*
- Secret Service*
- U.S. Marshall*

Fingerprint Examiner
Forensic Scientist*
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

*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 attitudes 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. Demonstrate excellent human relations and workplace skills.

Associate Degree Major Requirements Core Curriculum

For Law Enforcement, Corrections and Legal Systems/Court Management areas of emphasis only.

Note: All courses in the major must be completed with a letter grade of "C" or higher.

Subject & Number	Title	Units
Adm. of Justice 110	Introduction to Administration of Justice	3
Adm. of Justice 200	Criminal Law	3
Adm. of Justice 202	Criminal Evidence	3
Adm. of Justice 204	Criminal Trial Process	3
Adm. of Justice 230	Public Safety Communications	3
Adm. of Justice 240	Communication and the Justice System	3
	Total	18

Area of Emphasis Law Enforcement

Requires TWELVE (12) additional units to be selected from the list of courses below:

Note: All courses must be completed with a letter grade of "C" or higher.

Subject & Number	Title	Units
Adm. of Justice 111	Introduction to Security Management	3
Adm. of Justice 120	Community Policing and Patrol Procedures	3
Adm. of Justice 122	Traffic Law & Enforcement	3
Adm. of Justice 128	Defensive Tactics	1
Adm. of Justice 130	Firearms	1
Adm. of Justice 206	Criminal Investigation	3
Adm. of Justice 208	Juvenile Procedures	3
Adm. of Justice 210	Public Safety Administration	3
Adm. of Justice 214	Public Service Internship	2
Adm. of Justice 215	Public Service Internship	2
	Total	12
	Total Required Plus General Education and Elective Requirements	30

Area of Emphasis Corrections

Requires ELEVEN (11) additional units to be selected from the list of courses below:

Note: All courses must be completed with a letter grade of "C" or higher.

Subject & Number	Title	Units
Adm. of Justice 111	Introduction to Security Management	3
Adm. of Justice 125	Introduction to Corrections	3
Adm. of Justice 126	Control and Supervision in Corrections	3
Adm. of Justice 128	Defensive Tactics	1
Adm. of Justice 140	Correctional Counseling and Interviewing	3
Adm. of Justice 208	Juvenile Procedures	3
Adm. of Justice 210	Public Safety Administration	3
Adm. of Justice 214	Public Service Internship	2
Adm. of Justice 215	Public Service Internship	2
	Total	11
	Total Required Plus General Education and Elective Requirements	29

Area of Emphasis
Legal Systems/Court Management

Requires TEN (10) additional units selected from the list of courses below:

Note: All courses must be completed with a letter grade of "C" or higher.

Subject & Number	Title	Units
Adm. of Justice 111	Introduction to Security Management	3
Adm. of Justice 142	Legal Systems and Court Management	3
Adm. of Justice 206	Criminal Investigation	3
Adm. of Justice 208	Juvenile Procedures	3
Adm. of Justice 210	Public Safety Administration	3
Adm. of Justice 214	Public Service Internship	2
Adm. of Justice 215	Public Service Internship	2
	Total	10
	Total Required	28
	Plus General Education and Elective Requirements	

Special Note: An associate degree is recommended for entry level judicial related employment.

Certificate of Achievement

Any student who chooses to complete only the Administration of Justice core curriculum plus one of the areas of emphasis qualifies for a Certificate of Achievement in that area. An official request must be filed with the Admissions and Records Office prior to the deadline as stated in the Academic Calendar.

Note: All courses must be completed with a letter grade of "C" or higher.

Forensic Technology
Associate Degree Major Requirements

Note: All courses in the major must be completed with a letter grade of "C" or higher.

Subject & Number	Title	Units
Adm. of Justice 110	Introduction to Administration of Justice	3
Adm. of Justice 148	Fingerprint Identification	3
Adm. of Justice 150	Forensic Photography	4
Adm. of Justice 200	Criminal Law	3
Adm. of Justice 202	Criminal Evidence	3
Adm. of Justice 206	Criminal Investigation	3
Adm. of Justice 218	Forensic Technology	4
Adm. of Justice 220	Advanced Forensic Technology	4
Adm. of Justice 230	Public Safety Communications	3
Adm. of Justice 252	Advanced Forensic Photography	4
Adm. of Justice 254	Advanced Fingerprint Identification	3
Biology 120	Principles of Biology	4
Chemistry 113	Forensic Chemistry	4
	Total	45
	Plus General Education and Elective Requirements	

Recommended Electives:

Subject & Number	Title	Units
Adm. of Justice 224	Forensic Public Service Internship	2
Adm. of Justice 225	Forensic Public Service Internship	2
Biology 140	Human Anatomy	5

Certificate of Achievement

Any student who chooses to complete only the courses required for the above major qualifies for a Certificate of Achievement in Forensics Technology. An official request must be filed with the Admissions and Records Office prior to the deadline as stated in the Academic Calendar.

Note: All courses must be completed with a letter grade of "C" or higher.

Security Management

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

Note: All courses in the major must be completed with a letter grade of "C" or higher.

Subject & Number	Title	Units
Adm. of Justice 110	Introduction to Administration of Justice	3
Adm. of Justice 111	Introduction to Security Management	3
Adm. of Justice 201	Legal Aspects of Security Management	3
Adm. of Justice 207	Investigative Techniques for Security Management	3
Adm. of Justice 210	Public Safety Administration	3
Adm. of Justice 230	Public Safety Communications	3
Adm. of Justice 260	Information Security	3
	Total Required	21
	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 Security Management. An official request must be filed with the Admissions and Records Office prior to the deadline as stated in the Academic Calendar.

Note: All courses must be completed with a letter grade of "C" or higher.

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.

California Public Safety Leadership and Ethics Program

The California Public Safety Leadership and Ethics Program (CPSLEP) is a statewide industry collaborative of the California Community College Chancellor's Office Public Safety Education Advisory Committee. The CPSLEP is a four-course program leading to a certificate in Applied Leadership Development issued by the CPSLEP and the Phi Theta Kappa International Honor Society Leadership Development Program. The vision of the CPSLEP is to prepare individuals early in their careers to contribute as ethical leaders in their personal and professional lives, and their communities.

Note: All courses must be completed with a letter grade of "C" or higher.

Subject & Number	Title	Units
Admin. of Justice 271	Developing a Personal Philosophy of Leadership	2.5
Admin. of Justice 272	Leading Others	2.5
Admin. of Justice 273	Organizational Leadership	2.5
Admin. of Justice 274	Ethics and the Challenge of Leadership	2.5
	Total	10

Corrections Academy

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.

Note: This course must be completed with a letter grade of "C" or higher.

Subject and Number	Title	Units
AOJ 107	Corrections Academy	10.5
	Total	10.5

American Sign Language

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

Case Worker
Certified Translator
Certified Terminologist
Education Counselor
Interpreter
- ASL (American Sign Language)
- Certified
- Conference
- 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

Note: All courses in the major must be completed with a letter grade of "C" or higher.

Subject & Number	Title	Units
American Sign Language 120	American Sign Language I	4
American Sign Language 121	American Sign Language II	4
American Sign Language 122	Beginning Sign Language Practicum	1
American Sign Language 140	Perspectives on Deaf Culture	3
American Sign Language 220	American Sign Language III	4
American Sign Language 221	American Sign Language IV	4
American Sign Language 222	Intermediate Sign Language Practicum	1
Psychology 120	Introduction to Psychology	3
	Total	24
	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 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.

Note: All courses must be completed with a letter grade of "C" or higher.

Arabic

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 Foreign Languages.

Career Opportunities

Advertising
Bilingual Aide
Foreign Correspondent*
Foreign Broadcast Specialist*
Import-Export Agent
In-Country Representative
Intelligence Specialist
Journalist*
Manufacturer's Representative
Sales Person
Scientist Linguist
Teacher/Professor*
Translator/Interpreter*
Travel Agent
United Nations Guide

*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

Note: All courses in the major must be completed with a letter grade of "C" or higher.

Subject & Number	Title	Units
Arabic 120	Arabic I	5
Arabic 121	Arabic II	5
Arabic 148	Language, Culture, and Literature of the Arab World	3
Arabic 220	Arabic III	5
or		
Arabic 122	Arabic for the Native Arabic Speaker I	(5)
Arabic 221	Arabic IV	5
or		
Arabic 123	Arabic for the Native Arabic Speaker II	(5)
Arabic 250	Conversational Arabic I	3
Arabic 251	Conversational Arabic II	3
	Total Required	29
	Plus General Education 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.

Note: All courses must be completed with a letter grade of "C" or higher.

Art

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-seeing 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

Advertising Manager*
Antique Dealer
Architect*
Art Therapist*
Ceramist
Curator*
Cartoonist+
Designer+
- Fashion
- Floral
- Graphic
- Interior

Display Manager
Layout Artist
Museum Technician
Painter/Sculptor
Photographer
Police Artist
Set Designer
Teacher/Professor*
Technical Illustrator

*Bachelor's Degree or higher required.
+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. 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 Core Curriculum

Note: All courses in the major must be completed with a letter grade of "C" or higher.

Subject & Number	Title	Units
Art 120	Two Dimensional Design	3
Art 124	Drawing I	3
Art 129	Three-Dimensional Design	3
Art 140	History of Western Art I Pre-Historic to 1250 A.D.	3
or		
Art 141	History of Western Art II: Circa 1250 A.D. to Present Time	(3)
	Total Core	12
	Plus General Education and Elective Requirements	

Area of Emphasis Ceramics

Note: All courses must be completed with a letter grade of "C" or higher.

Subject & Number	Title	Units
Art 126	Ceramics I	3
Art 127	Ceramics II	3
Art 128	Ceramics III	3
Select ONE (1) of the following:		
Art 226	Ceramics IV	3
Art 136	Glaze Formation	3
Art 227	Ceramics Exhibition and Portfolio	3
	Total	12
	Plus Core	12
	Total Required	24
	Plus General Education and Elective Requirements	

Area of Emphasis Digital Art

Note: All courses must be completed with a letter grade of "C" or higher.

Subject & Number	Title	Units
Art 171	Introduction to Digital Art	3
Art 175	Digital Imaging and Art	3
Select TWO (2) of the following:		
Art 172	Interactive Media Art	3
Art 177	Digital Drawing and Painting	3
Art 184	Drawing for Animation	3
Phot 150	Introduction to Photography	3
	Total	12
	Plus Core	12
	Total Required	24
	Plus General Education and Elective Requirements	

Area of Emphasis Drawing and Painting

Note: All courses must be completed with a "C" grade or higher.

Subject & Number	Title	Units
Art 121	Painting I	3
Art 125	Drawing II	3
Art 230	Figure Drawing I	3
Select ONE (1) of the following:		
Art 220	Painting II	3
Art 231	Figure Drawing II	3
Art 240	Drawing the Human Head	3
	Total	12
	Plus Core	12
	Total Required	24
	Plus General Education and Elective Requirements	

Area of Emphasis Sculpture–Public Art

Note: All courses must be completed with a letter grade of "C" or higher.

Subject & Number	Title	Units
Art 130	Sculpture I	3
Art 229	Sculpture II	3
Select TWO (2) of the following:		
Art 280	Sculpture III: The Structure of Sculpture	3
Art 281	Studio Workshop in Public Sculpture	3
Art 282	Public Art Fabrication and Installation	3
	Total	12
	Plus Core	12
	Total Required	24
	Plus General Education and Elective Requirements	

Photography

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

Note: All courses in the major must be completed with a letter grade of "C" or higher.

Subject & Number	Title	Units
Photography 150	Introduction to Photography	3
Photography 151	Intermediate Photography	3
Photography 152	Advanced Photography	3
Photography 154	History of Photography	3
Photography 166	Image and Idea	3
Photography 167	Lens Culture	3
Photography 168	Media and the Photographic Profession	3
Photography 252	Photographer's Portfolio	3
	Total	24

Select TWO (2) of the following courses:

Subject & Number	Title	Units
Art 120	Two Dimensional Design	3
Art 121	Painting I	3
Art 124	Drawing I	3
Art 126	Ceramics I	3
Art 129	Three Dimensional Design	3
Art 130	Sculpture I	3
Art 131	Jewelry Design I	3
Art 140	History of Western Art I: Pre-Historic to 1250A.D.	3
Art 141	History of Western Art II: Circa 1250A.D. to Present Time	3
Art 175	Digital Imaging and Art	3
Humanities 110	Principles of the Humanities	3
Humanities 120	European Humanities	3
Humanities 130	East Asian Humanities	3
	Total	6
	Total required	30
	Plus General Education and Elective Requirements	

Biological Sciences

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

Aquatic Biologist*
Biologist*
Biotechnology Lab Technician*
Cytotechnologist
Ecologist*
Environmental Engineer*
Forensic Pathologist*
Geneticist*
Hydrologist*
Laboratory Assistant
Microbiologist*
Nuclear Medical Technician+
Physical Therapist*
Sanitarian*

*Bachelor's Degree or higher required.
+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 an understanding of Evolution by Natural Selection.
2. Analyze and interpret (evaluate) experimental data in order to determine relationships between biological processes.
3. Apply the Scientific Method to experimental design and data analysis.
4. Examine the homeostatic processes within living cells and organisms.
5. Demonstrate an understanding of modern systematic principles.
6. Predict how changes in biotic and abiotic components affect ecosystem dynamics.

Associate Degree Major Requirements

Note: All courses in the major must be completed with a letter grade of "C" or higher.

Subject & Number	Title	Units
Biology 215	Statistics for Life Sciences	3
Biology 230	Principles of Cellular, Molecular and Evolutionary Biology	4
Biology 240	Principles of Ecology, Evolution and Organismal Biology	5
Chemistry 141	General Chemistry I	5
Chemistry 142	General Chemistry II	5
Chemistry 231	Organic Chemistry I	5
Mathematics 180	Analytical Geometry and Calculus	5
Physics 130	Fundamentals of Physics	4
Physics 131	Fundamentals of Physics	4
	Total Required	40
	Plus General Education and Elective Requirements	

Business Administration

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

Accountant*
Administrative Assistant
Advertising/Marketing*
Banking
Budget Analyst*
Business Publications
Claim Agent
Computer Operations
Controller*
Financial Manager*
Insurance Agent+
Lawyer*

*Bachelor's Degree or higher required.
+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

Note: All courses in the major must be completed with a letter grade of "C" or higher.

Subject & Number	Title	Units
Business 120	Financial Accounting	4
Business 121	Managerial Accounting	4
Business 125	Business Law: Legal Environment of Business	3
Business 128	Business Communication	3
Computer Science Info. Systems 110	Principles of Information Systems	4
Economics 120	Principles of Macroeconomics	3
Economics 121	Principles of Microeconomics	3
Mathematics 160	Elementary Statistics	4
Mathematics 178	Calculus for Business, Social and Behavioral Sciences	4
	Total Required	32
	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 Business Administration. An official request must be filed with the Admissions and Records Office prior to the deadline as stated in the Academic Calendar.

Note: All courses must be completed with a letter grade of "C" or higher.

Business–General

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

Administrative Assistant
Bookkeeper
Budget Consultant*
Buyer
Conciliator+
Credit Analyst*
Employment Interviewer
Hospital Administrator*
Sales Agent+
Trust Officer*

*Bachelor's Degree or higher required.
+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

Note: All courses in the major must be completed with a letter grade of "C" or higher.

Subject & Number	Title	Units
Business 109	Elementary Accounting	3
or		
Business 120	Financial Accounting	(4)
Business 110	Introduction to Business	3
Business 115	Human Relations in Business	3
Business 125	Business Law: Legal Environment of Business	3
Business 128	Business Communication	(3)
or		
Business Office Technology 110	Business English and Communications	3
Business 146	Marketing	3
Business 152	Business Mathematics	2
Business 195	Personal Finance	3
Business Office Technology 172	Microcomputer Software Packages	2
Economics 120	Principles of Macroeconomics	3
	Total Required	28-29
	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 Business-General. An official request must be filed with the Admissions and Records Office prior to the deadline as stated in the Academic Calendar.

Note: All courses must be completed with a letter grade of "C" or higher.

Certificate of Proficiency

The following Certificate of Proficiency is 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.

Insurance Services

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.

Note: All courses must be completed with a letter grade of "C" or higher.

Subject and Number	Title	Units
BUS 228	Legal Office Procedures I	3
BUS 233	Personal Insurance	3
BUS 234	Commercial Insurance	3
BUS 235	Delivering Insurance Services	3
	Total	12

Business Office Technology

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 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

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

Area of Emphasis
Administrative Assistant

Note: All courses must be completed with a letter grade of "C" or higher.

Subject & Number	Title	Units
Business Office Technology 102	Intermediate Keyboarding/ Document Processing	3
or		
Business Office Technology 102A	Intermediate Keyboarding/ Document Processing I	(1.5)
and		
Business Office Technology 102B	Intermediate Keyboarding/ Document Processing II	(1.5)
Business Office Technology 104	Filing and Records Management	1
Business Office Technology 106	Effective Job Search	1
Business Office Technology 107	Office Systems and Procedures	2
Business Office Technology 108	Using Calculators to Solve Business Problems	1
Business Office Technology 110	Business English and Communication	3
Business Office Technology 120 and 121 and 122	Comprehensive Word, Levels I and II and III	3
Business Office Technology 115	Essential Excel	1
or		
Business Office Technology 123 and 124 and 125	Comprehensive Excel, Levels I and II and III	(3)
Business Office Technology 116	Essential Access	1
or		
Business Office Technology 126 and 127 and 128	Comprehensive Access, Levels I and II and III	(3)
Business Office Technology 117	Essential PowerPoint	1
or		
Business Office Technology 129 and 130 and 131	Comprehensive PowerPoint, Levels I and II and III	(3)
Business Office Technology 118	Integrated Office Projects	1
	Total	18-24

Select ONE (1) of the following courses:

Subject & Number	Title	Units
Business Office Technology 223	Office Work Experience	1
or		
Business Office Technology 224	Office Work Experience	(2)
or		
Business Office Technology 225	Office Work Experience	(3)
	Total	19-27

Select a minimum of THREE (3) units from the following courses:

Subject & Number	Title	Units
Business Office Technology 103A or B or C	Building Keyboarding Skills I or II or III	.5-1.5
Business Office Technology 105	Data Entry Skills	1
Business Office Technology 109	Elementary Accounting	3
Business Office Technology 150	Using Microsoft Publisher	1
Business Office Technology 151	Using Microsoft Outlook	1
	Total	3
	Total Required Plus General Education and Elective Requirements	22-30

Area of Emphasis
Executive Assistant

Note: All courses must be completed with a letter grade of "C" or higher.

Subject & Number	Title	Units
Business Office Technology 110	Business English and Communication	3
or		
Business 128	Business Communication	(3)
Business Office Technology 120	Comprehensive Word, Level I	1
and		
Business Office Technology 121	Comprehensive Word, Level II	1
and		
Business Office Technology 122	Comprehensive Word, Level III	1
or		
Computer Science Info. Systems 173	Microsoft Word	(3)
Business Office Technology 123	Comprehensive Excel, Level I	1
and		
Business Office Technology 124	Comprehensive Excel, Level II	1
and		
Business Office Technology 125	Comprehensive Excel, Level III	1
or		
Computer Science Info. Systems 175	Microsoft Excel	(3)
Business Office Technology 126	Comprehensive Access, Level I	1
and		
Business Office Technology 127	Comprehensive Access, Level II	1
and		
Business Office Technology 128	Comprehensive Access, Level III	1
or		
Computer Science Info. Systems 174	Microsoft Access	(3)
Business Office Technology 129	Comprehensive PowerPoint, Level I	1
and		
Business Office Technology 130	Comprehensive PowerPoint, Level II	1
and		

Business Office Technology 131	Comprehensive PowerPoint, Level III	1
or		
Computer Science Info. Systems 177	Microsoft PowerPoint	(3)
Business Office Technology 151	Using Microsoft Outlook	1
Business Office Technology 201	Advanced Keyboarding/ Document Processing	3
Business Office Technology 203	Office Project Coordination	1
	Total	17-20

Select a minimum of THREE (3) units from the following courses:

Subject & Number	Title	Units
Business Office Technology 109	Elementary Accounting	3
Business 110	Introduction to Business	3
Business 115	Human Relations in Business	3
Business 120	Financial Accounting	4
Business 125	Business Law	3
Business 250	Introduction to International Business	3
	Total	3

Select a minimum of ONE (1) unit from the following courses:

Subject & Number	Title	Units
Business Office Technology 103B	Building Keyboarding Skills II	.5
Business Office Technology 103C	Building Keyboarding Skills III	.5
Business Office Technology 150	Using Microsoft Publisher	1
Business Office Technology 280 A-B-C	Preparing for Performance Examinations in Microsoft Word	.5
Business Office Technology 281 A-B-C	Preparing for Performance Examinations in Microsoft Excel	.5
Business Office Technology 282 A-B-C	Preparing for Performance Examinations in Microsoft Access	.5
Business Office Technology 283 A-B-C	Preparing for Performance Examinations in Microsoft PowerPoint	.5
Computer Science Info. Systems 274 A-B-C-D	Advanced Database Packages	2
Computer Science Info. Systems 275 A-B-C-D	Advanced Electronic Spreadsheet Packages	2
	Total	1
	Total Required Plus General Education and Elective Requirements	21-25

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.

Note: All courses must be completed with a letter grade of "C" or higher.

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.

Note: All courses must be completed with a letter grade of "C" or higher.

Account Clerk

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.

Note: All courses must be completed with a letter grade of "C" or higher.

Subject & Number	Title	Units
Business Office Technology 101	Keyboarding/ Document Processing	3
or		
Business Office Technology 101A	Keyboarding/ Document Processing	(1.5)
and		
Business Office Technology 101B	Keyboarding/ Document Processing	(1.5)
Business Office Technology 109	Elementary Accounting	3
Business Office Technology 176	Computerized Accounting Applications	2
Business Office Technology 179	Microcomputer Accounting Lab	1
	Total	9

Front Office/Receptionist

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.

Note: All courses must be completed with a letter grade of "C" or higher.

Subject and Number	Title	Units
Business Office Technology 100	Basic Keyboarding	1
or		
Business Office Technology 103A	Building Keyboarding Speed	(.5)
and		
Business Office Technology 103B	Building Keyboarding Speed	(.5)
Business Office Technology 104	Filing and Records Management	1
Business Office Technology 107	Office Systems and Procedures	2
Business Office Technology 120	Comprehensive Word, Level I	1
or		

Business Office Technology 114	Essential Word	(1)
Business Office Technology 151	Using Microsoft Outlook	1
	Total	6

Medical Office Assistant

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.

Note: All courses must be completed with a letter grade of "C" or higher.

Subject & Number	Title	Units
Business Office Technology 161	Medical Terminology	3
Business Office Technology 165	Medical Insurance Billing	4.5
Business Office Technology 167	Medical Coding I	4
Business Office Technology 170	Medical Office Procedures	6
	Total	17.5

Office Assistant, Level I

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.

Note: All courses must be completed with a letter grade of "C" or higher.

Subject & Number	Title	Units
Business Office Technology 100	Basic Keyboarding	1
Business Office Technology 101	Keyboarding/ Document Processing	3
or		
Business Office Technology 101A	Keyboarding/ Document Processing	(1.5)
and		
Business Office Technology 101B	Keyboarding/ Document Processing	(1.5)
Business Office Technology 104	Filing and Records Management	1
Business Office Technology 105	Data Entry Skills	1
Business Office Technology 106	Effective Job Search	1
	Total	7

Office Assistant, Level II

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.

Note: All courses must be completed with a letter grade of "C" or higher.

Subject & Number	Title	Units
Business Office Technology 102	Intermediate Keyboarding/ Document Processing	3
or		
Business Office Technology 102A	Intermediate Keyboarding/ Document Processing I	(1.5)
and		
Business Office Technology 102B	Intermediate Keyboarding/ Document Processing II	(1.5)
Business Office Technology 107	Office Systems and Procedures	2
Business Office Technology 114	Essential Word	1
Business Office Technology 115	Essential Excel	1
Business Office Technology 116	Essential Access	1
Business Office Technology 117	Essential PowerPoint	1
	Total	9

Office Professional

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.

Note: All courses must be completed with a letter grade of "C" or higher.

Subject & Number	Title	Units
Business Office Technology 100	Basic Keyboarding	1
or		
Business Office Technology 101	Keyboarding/ Document Processing	(3)
or		
Business Office Technology 101A	Keyboarding/ Document Processing	(1.5)
and		
Business Office Technology 101B	Keyboarding/ Document Processing	(1.5)
or		
Business Office Technology 102	Intermediate Keyboarding/ Document Processing	(3)
or		
Business Office Technology 102A	Intermediate Keyboarding/ Document Processing I	(1.5)
and		
Business Office Technology 102B	Intermediate Keyboarding/ Document Processing II	(1.5)
Business Office Technology 106	Effective Job Search	1
Business Office Technology 107	Office Systems and Procedures	2

Business Office Technology 110	Business English and Communication	3
or		
Business Office Technology 112	Business Office Correspondence and Office Professionalism	3
Business Office Technology 114	Essential Word	1
Business Office Technology 115	Essential Excel	1
	Total	9-11

Office Software Specialist, Level I

This certificate 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.

Note: All courses must be completed with a letter grade of "C" or higher.

Subject & Number	Title	Units
Business Office Technology 100	Basic Keyboarding	1
Business Office Technology 114	Essential Word	1
or		
Business Office Technology 120	Comprehensive Word, Level I	(1)
and		
Business Office Technology 121	Comprehensive Word, Level II	(1)
Business Office Technology 115	Essential Excel	1
or		
Business Office Technology 123	Comprehensive Excel, Level I	(1)
and		
Business Office Technology 124	Comprehensive Excel, Level II	(1)
Business Office Technology 116	Essential Access	1
or		
Business Office Technology 126	Comprehensive Access, Level I	(1)
and		
Business Office Technology 127	Comprehensive Access, Level II	(1)
Business Office Technology 117	Essential PowerPoint	1
or		
Business Office Technology 129	Comprehensive PowerPoint, Level I	(1)
and		
Business Office Technology 130	Comprehensive PowerPoint, Level II	(1)
	Total	5-9

Office Software Specialist, Level II

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.

Note: All courses must be completed with a letter grade of "C" or higher.

Subject & Number	Title	Units
Business Office Technology 100	Basic Keyboarding	1
Business Office Technology 118	Integrated Office Projects	1
Business Office Technology 120	Comprehensive Word, Level I	1
or		
Business Office Technology 114	Essential Word	(1)
Business Office Technology 121	Comprehensive Word, Level II	1
Business Office Technology 122	Comprehensive Word, Level III	1
Business Office Technology 123	Comprehensive Excel, Level I	1
or		
Business Office Technology 115	Essential Excel	(1)
Business Office Technology 124	Comprehensive Excel, Level II	1
Business Office Technology 125	Comprehensive Excel, Level III	1
Business Office Technology 126	Comprehensive Access, Level I	1
or		
Business Office Technology 116	Essential Access	(1)
Business Office Technology 127	Comprehensive Access, Level II	1
Business Office Technology 129	Comprehensive PowerPoint, Level I	1
or		
Business Office Technology 117	Essential PowerPoint	(1)
Business Office Technology 130	Comprehensive PowerPoint, Level II	1
	Total	12

Virtual Office Assistant

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.

Note: All courses must be completed with a letter grade of "C" or higher.

Subject & Number	Title	Units
Business Office Technology 100	Basic Keyboarding	1
Business Office Technology 103A	Building Keyboarding Skill I	.5
Business Office Technology 103B	Building Keyboarding Skill II	.5
Business Office Technology 111	Virtual Assistant	2
Business Office Technology 115	Essential Excel	1
Business Office Technology 120	Comprehensive Word, Level I	1
Business Office Technology 121	Comprehensive Word, Level II	1
Business Office Technology 150	Using Microsoft Publisher	1
Business 141	Entrepreneurship: Managing a New Business	3
Business 146	Marketing	3
	Total	14

Cardiovascular Technology (CVTE)

See page 9 for special admission procedures and criteria.

In addition to the college application, a special application for Cardiovascular Technology (CVTE) is required. Applications and instructions are available at the CVTE website: www.grossmont.edu/cvt/

The Cardiovascular Technology Program at Grossmont College is a two-year course of study leading to an Associate in Science Degree. Graduates of the program enter the health care profession as Cardiovascular Technologists.

Students accepted to the Cardiovascular Program are required to undergo a background check and urine drug screening before being starting the program and being placed at any clinical site. The cost of these procedures may be $65 to $120. The student will be responsible for paying these fees. Failure to pass either of these procedures may interfere with clinical placement and/ or acceptance to the program. Any prior conviction of a misdemeanor or felony may also influence eligibility for registry exams and employment with healthcare agencies. Applicants with prior convictions are urged to contact the Program Director of the Cardiovascular Technology Program for confidential advisement and planning prior to applying to the program.

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.

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

Coronary Interventional Specialist
Cath Lab Specialist
Echocardiographer
Echosonographer
Vascular Technologist
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. All graduates will develop and maintain a professional attitude as a Cardiovascular Technologist, 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: hemodynamic monitoring systems, electrocardiographs, contrast dye injectors, oxcimeters, cardiac pacemakers, cardiac output computers and electrophysiology simulators.
4. Students of NON-INVASIVE CARDIOLOGY will apply principles of cardiovascular anatomy, physiology, pathophysiology and medical instrumentation to perform, analyze and interpret diagnostic studies: M-Mode, Two-Dimensional, Doppler and Transesophegal cardiac ultrasound studies.
5. Students of NON-INVASIVE CARDIOLOGY will perform diagnostic cardiac ultrasound studies using standard and Doppler ultrasound instruments equipped with surface and transesophegal 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: cerebrovascular, peripheral vascular and abdominal vascular.
7. Students of VASCULAR TECHNOLOGY will perform vascular diagnostic studies using duplex ultrasound, continuous-wave Doppler, arterial and venous plethysmography and photoplethysmography, for testing of cerebrovascular, peripheral vascular and abdominal vascular systems.

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

A. 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.
B. Competency in Mathematics shown by either
   1. Earning a grade of "C" or better, or "Pass," in Math 103 or a higher numbered mathematics course or
   2. Assessing into Math 120 or higher through the mathematics placement process. (Students meeting competency through assessment must still take an Area A3 course.)

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.
English 120, 124

2. Oral Communication

Communication 120, 122

3. Analytical Thinking

Competency in Mathematics shown by either
a. Earning a grade of "C" or better or "Pass" in Math 103 or a higher numbered mathematics course or
b. Assessing into Math 120 or higher through the mathematics placement process. (Students meeting competency through assessment must still take an Area A3 course.)

Anthropology 215
Biology 215
Geography 104
Mathematics 103, 110, 120, 125, 126, 150, 160, 170, 175, 176, 178, 180, 245, 280, 281, 284, 285
Philosophy 125, 130
Psychology 215
Sociology 215

Area B - Natural Sciences

Two natural science courses (a minimum of seven units) are required. One course must contain a laboratory.
Courses with an asterisk are laboratory only.
Courses not containing a laboratory component are underlined.

Anthropology 130, 131*
Astronomy 110, 112*, 120
Biology 105, 110, 112, 114, 118, 120, 140, 141, 142*, 144, 145, 152, 180, 230, 240
Chemistry 102, 110, 113, 115, 116, 120, 141, 142, 231, 232
Geography 120, 121*, 140
Geology 104, 110, 111*, 121, 210, 220, 230
Oceanography 112, 113*
Physical Science 100, 110, 111*
Physics 110, 130, 131, 140, 240, 241
Science 110

Area C - Humanities

One humanities course (a minimum of three units) is required.

American Sign Language 120, 121, 140, 220, 221, 250
Arabic 120, 121, 122, 123, 148, 220, 221, 250, 251
Art 100, 120, 124, 126, 129, 140, 141, 142, 143, 145, 146, 147, 171, 189
Chinese 120, 121, 220, 221, 250, 251
Communication 135, 137, 144, 145
Cross-Cultural Studies 122, 123, 126, 134, 144, 147, 149, 152, 236, 237, 238
Dance 110
English 112, 118, 122, 126, 134-135-136-137, 201, 203, 215, 217, 218, 219, 221, 222, 231, 232, 234, 235, 236, 237, 238, 241, 242, 275, 276, 277
French 120, 121, 152, 220, 221, 250, 251
German 120, 121, 220, 221, 250, 251
Health Education 155, 158
History 100, 101, 103, 105, 106, 112, 113, 126, 135, 136, 137, 147, 148, 156, 157
Humanities 110, 120, 125, 130, 135, 160, 170
Italian 120, 121, 220, 221, 250, 251
Japanese 120, 121, 149, 220, 221, 250, 251
Media Communications 111, 189
Music 110, 111, 115, 116, 117, 189
Philosophy 110, 111, 112, 114, 116, 118, 140, 141, 145, 150
Photography 150, 154
Religious Studies 120, 130, 140, 150
Russian 120, 121, 220, 221, 250, 251
Spanish 120, [120A* and 120B*], 121, 122, 123, 141, 145, 220, 221, 250, 251
Theatre Arts 101, 110, 143, 144, 189

*Spanish 120A and Spanish 120B are equivalent to one semester of Spanish 120.

Area D - Social Sciences

One social science course (a minimum of three units) is required.

Administration of Justice 110
Anthropology 120, 140
Child Development 115, 125, 131, 134, 145, 153
Communication 124, 128
Cross-Cultural Studies 114, 115, 118, 119, 124, 125, 128, 130, 131, 132, 133, 135, 145, 150, 151, 153, 154, 155, 180, 181
Economics 110, 120, 121
Family Studies 115, 120
Geography 106, 130, 170
Health Education 120, 155, 158, 201
Health Science 110
History 108, 109, 114, 115, 118, 119, 122, 123, 124, 127, 150, 151, 154, 155, 180, 181
Media Communications 110
Political Science 120, 121, 124, 130, 140, 150, 160
Psychology 120, 125, 130, 132, 134, 138, 170
Sociology 114, 120, 125, 130, 138, 140

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:

Dance 068, 071A, 071B, 072A, 072B, 074A, 074B, 078A, 078B, 080A, 080B, 080C, 080D, 081A, 081B, 081C, 081D, 082A, 082B, 084A, 084B, 084C, 084D, 088A, 088B, 088C, 088D, 094A, 094B, 094C, 094D, 099A, 099B, 099C, 116

Exercise Science 001, 002, 003, 004A, 004B, 004C, 005A, 005B, 005C, 006A, 006B, 006C, 007A, 007B, 007C, 008, 009A, 009B, 009C, 017A, 017B, 017C, 021A, 021B, 021C, 023A, 023B, 023C, 024A, 024B, 024C, 027, 028A, 028B, 028C, 029, 030, 035, 037A, 037B, 037C, 039, 040A, 040B, 040C, 041, 043A, 043B, 043C, 044A, 044B, 044C, 060A, 060B, 060C, 076A, 076B, 076C, 120A, 120B, 120C, 121, 125A, 125B, 125C, 130A, 130B, 130C, 135, 136, 150, 155A, 155B, 155C, 156, 170A, 170B, 170C, 171A, 171B, 171C, 172A, 172B, 172C, 175A, 175B, 175C, 180, 185A, 185B, 185C, 200, 201, 202

Associate Degree Major Requirements

Note: All courses in the major must be completed with a letter grade of "C" or higher.

Core Curriculum

All students complete the following core courses in the first year of the program:

Subject & Number	Title	Units
Cardiovascular Technology 100	Physical Principles of Medicine I	2
Cardiovascular Technology 101	Cardiovascular Physiology I	4
Cardiovascular Technology 102	Medical Instrumentation I	4
Cardiovascular Technology 103	Laboratory Practicum and Proficiency Testing I	2
Cardiovascular Technology 110	Physical Principles of Medicine II	2
Cardiovascular Technology 111	Cardiovascular Physiology II	4
Cardiovascular Technology 112	Medical Instrumentation II	4
Cardiovascular Technology 113	Laboratory Practicum and Proficiency Testing II	2
Cardiovascular Technology 114	Cardiovascular Pharmacology	2
Cardiovascular Technology 120	Clinical Practicum I	2
	Total	28

Area of Emphasis Invasive

Note: All courses must be completed with a letter grade of "C" or higher.

Subject & Number	Title	Units
Cardiovascular Technology 202	Diagnostic Procedures, Invasive Cardiology	4
Cardiovascular Technology 205	Clinical Practicum II	5
Cardiovascular Technology 207	Invasive Medical Instrumentation I	2
Cardiovascular Technology 208	X-Ray Physics and Cardiovascular Angiography	2
Cardiovascular Technology 212	Interventional Procedures, Invasive Cardiology	4
Cardiovascular Technology 215	Clinical Practicum III	5
Cardiovascular Technology 217	Invasive Medical Instrumentation II	2
Cardiovascular Technology 218	Intracardiac Electrophysiology	2
	Total	26
	Total Required Plus General Education and Elective Requirements	54

Area of Emphasis Adult Echocardiography

Note: All courses must be completed with a letter grade of "C" or higher.

Subject & Number	Title	Units
Cardiovascular Technology 200	Medical Instrumentation III	3
Cardiovascular Technology 201	Diagnostic Procedures I, Adult Echocardiography	4
Cardiovascular Technology 205	Clinical Practicum II	5
Cardiovascular Technology 210	Medical Instrumentation IV	3
Cardiovascular Technology 211	Diagnostic Procedures II, Adult Echocardiography	4
Cardiovascular Technology 215	Clinical Practicum III	5
	Total	24
	Total Required Plus General Education and Elective Requirements	52

Area of Emphasis Vascular Technology

Note: All courses must be completed with a letter grade of "C" or higher.

Subject & Number	Title	Units
Cardiovascular Technology 200	Medical Instrumentation III	3
Cardiovascular Technology 203	Diagnostic Procedures I, Vascular Technology	4
Cardiovascular Technology 205	Clinical Practicum II	5
Cardiovascular Technology 210	Medical Instrumentation IV	3
Cardiovascular Technology 213	Diagnostic Procedures II, Vascular Technology	4
Cardiovascular Technology 215	Clinical Practicum III	5
	Total	24
	Total Required Plus General Education and Elective Requirements	52

Certificate of Proficiency

The following Certificate of Proficiency is designed for the student who needs to be prepared to enter an entry-level position. 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.

Note: All courses must be completed with a letter grade of "C" or higher.

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.

The Telemetry/ECG Technician Certificate of Proficiency provides students with the skills necessary to gain employment as an ECG Technician, Exercise Treadmill Technician, Holter Monitor Technician, Pacemaker Technician, or Telemetry Technician. Students may choose to begin a career or update existing skills. Students successfully completing the certificate are employable at hospitals and healthcare facilities throughout the country.

All classes must be completed with a "C" grade or higher.

Subject and Number	Title	Units
Cardiovascular Technology 104	Electrocardiographic Theory	3
Cardiovascular Technology 105	Electrocardiographic Technique	2
Cardiovascular Technology 106	Advanced Electrocardiographic Studies	5
Cardiovascular Technology 108	Advanced Cardiac Monitoring	2
	Total	12

Chemistry

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

Analytical Chemist*
Biochemist*
Biotechnologist*
Chemistry Teacher*
Dentist*
Environmental Technician+
Forensic Specialist*
Industrial Health Engineer*
Laboratory Technician
Pharmacist*
Physician*
Research Chemist*
Safety Manager
Sanitarian+
Veterinarian*
Water-quality Analyst

*Bachelor's Degree or higher required.
+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) experimental data in order to identify trends and communicate results in a laboratory report.
2. Predict physical and chemical properties and changes of matter.
3. Analyze relationships between equilibrium, kinetics and the flow of energy.
4. Employ a microscopic view of matter to explain macroscopic phenomena.
5. Identify substances from qualitative analyses and spectroscopic methods.

Associate Degree Major Requirements

Note: All courses in the major must be completed with a letter grade of "C" or higher.

Subject & Number	Title	Units
Chemistry 141	General Chemistry I	5
Chemistry 142	General Chemistry II	5
Chemistry 231	Organic Chemistry I	5
Chemistry 232	Organic Chemistry II	5
	Total	20

Select SIXTEEN (16) units from the following courses:

Subject & Number	Title	Units
Mathematics 180	Analytic Geometry and Calculus I	5
Mathematics 280	Analytic Geometry and Calculus II	4
Mathematics 281	Multivariable Calculus	4
Mathematics 285	Linear Algebra and Differential Equations	3
Physics 140	Mechanics of Solids	4
Physics 240	Electricity, Magnetism and Heat	4
Physics 241	Light, Wave Motion and Modern Physics	4
	Total	16
	Total Required	36
	Plus General Education 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.

Note: All courses must be completed with a letter grade of "C" or higher.

Child Development

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

Adoption Counselor*
Child Psychologist*
Childcare Specialist
Day Camp Counselor*
Development Specialist*
Family Child Care Provider
Infant/Toddler Teacher+
Parent Educator*
Planned Parenthood Worker
School Age Child Care Teacher/Site Supervisor
Preschool Teacher/Director+
Recreation Specialist*
Social Service Specialist*

*Bachelor's Degree or higher required.
+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, 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

Note: All courses in the major must be completed with a letter grade of "C" or higher.

Child Development Master Teacher

Subject & Number	Title	Units
Child Development 106	Practicum: Beginning Observation and Experience	1
Child Development 121	The Arts and Creativity for Young Children	3
Child Development 123	Principles and Practices of Programs and Curriculum For Young Children	3
Child Development 125	Child Growth and Development	3
Child Development 127	Science and Mathematics for Child Development	3
Child Development 129	Language and Literature for Child Development	3
Child Development 130	Curriculum: Design and Implementation	3
Child Development 131	Child, Family and Community	3
Child Development 132	Observation and Assessment: Field Experience Seminar	3
Child Development 133	Practicum - Field Experience: Student Teaching	2
Child Development 134	Health, Safety and Nutrition of Young Children	3
Child Development 141	Working with Children with Special Needs	3
Child Development/ Cross Cultural Studies 153	Teaching in a Diverse Society	3
Child Development/ Family Studies 115	Changing American Family	*3
or		
Child Development 136	Adult Supervision	**3
	Total Required	39
	Plus General Education and Elective Requirements	

*CD/FS 115 is required for transfer to SDSU
**CD 136 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.

Note: All courses in the certificate must be completed with a letter grade of "C" or higher.

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 www.ctc.ca.gov to contact the Child Development Department.

Child Development Site Supervisor

Note: All courses must be completed with a letter grade of "C" or higher.

Subject & Number	Title	Units
Child Development 106	Practicum: Beginning Observation and Experience	1
Child Development 121	The Arts and Creativity for Young Children	3
Child Development 123	Principles and Practices of Programs and Curriculum for Young Children	3
Child Development 125	Child Growth and Development	3
Child Development 127	Science and Mathematics for Child Development	3
Child Development 129	Language and Literature for Child Development	3
Child Development 130	Curriculum: Design and Implementation	3
Child Development 131	Child, Family and Community	3
Child Development 132	Observation and Assessment: Field Experience Seminar	3
Child Development 133	Practicum - Field Experience: Student Teaching	2

Child Development 134	Health, Safety and Nutrition of Young Children	3
Child Development 136	Adult Supervision	**3
Child Development 137	Administration of Child Development Programs I	3
Child Development 138	Administration of Child Development Programs II	3
Child Development 141	Working with Children with Special Needs	3
Child Development 153	Teaching in a Diverse Society	3
Child Development/ Family Studies 115	Changing American Family	*3
	Total Required	48
	Plus General Education and Elective Requirements	

*CD/FS 115 is required for transfer to SDSU
**CD 136 is required for the Master Teacher Permit through California Teacher Credentialing

Certificate of Achievement

Any student who completes the Child Development major requirements for Master Teacher or 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.

Note: All courses in the certificate must be completed with a letter grade of "C" or higher.

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 www.ctc.ca.gov to contact the Child Development Department.

Certificate of Proficiency

The following Certificate of Proficiency is 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.

Note: All courses must be completed with a letter grade of "C" or higher.

Associate Teacher Certificate of Proficiency

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.

Note: All courses must be completed with a letter grade of "C" or higher.

Subject & Number	Title	Units
Child Development 106	Practicum: Beginning Observation and Experience	1
Child Development 123	Principles and Practices of Programs and Curriculum for Young Children	3
Child Development 125	Child Growth and Development	3
Child Development 131	Child, Family and Community	3
	Total	10

Select ONE (1) of the following courses:

Subject & Number	Title	Units
Child Development 121	The Arts and Creativity for Young Children	3
Child Development 127	Science and Mathematics for Child Development	3
Child Development 129	Language and Literature for Child Development	3
Child Development 143	Responsive Planning for Infant/Toddler Care	3
	Total	3
	Total Required	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 www.ctc.ca.gov

Communication

(Formerly Speech Communications)

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

Advertising Assistant
Announcer
Arts Administrator*
College Professor*
Journalist*
Lawyer*
Lobbyist*
Narrator
Politician
Proofreader
Public Relations Assistant
Researcher*
Sales Manager
Teacher/Instructor*

*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.

Note: All courses in the major must be completed with a letter grade of "C" or higher.

Subject & Number	Title	Units
Communication 120	Interpersonal Communication	3
Communication 122	Public Speaking	3
Communication 137	Critical Thinking in Group Communication	3
Communication 145	Argumentation	3
	Total	12

Select TWO (2) of the following courses:

Subject & Number	Title	Units
Communication 124	Intercultural Communication	3
Communication 128	Global Communication	3
Communication 144/ Cross Cultural Studies 144	Communication Studies: Race and Ethnicity	3
Media Communication 110	Mass Media and Society	3
	Total	6

Select THREE (3) units of the following courses:

Subject & Number	Title	Units
Communication 123	Advanced Public Speaking	3
Communication 135	Oral Interpretation of Literature	3
Communication 136	Readers Theatre	3
Communication 238	Speech and Debate Competition I	1
Communication 239	Speech and Debate Competition II	2
Communication 240	Speech and Debate Competition III	3
Communication 241	Speech and Debate Competition IV	3
	Total	3
	Total Required Plus General Education and Elective Requirements	21

All courses are not offered each semester. Check the class schedule for current offerings.

Computer Science Information Systems

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, Small Computer Specialist, Local-Area Network (LAN) Support Specialist, 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.

Career Opportunities

Computer Support Specialist
Communications Technician
Computer Maintenance Technician
Computer Systems Analysts*
Database Administrators*
Information Specialist*
LAN (Local Area Network) Administrator
Network Systems & Data Communication Analysts
Office Administrators
Programmer
Software Engineers*
Software Technician
Systems Analyst*
Technical Support Representative

*Bachelor's Degree or higher required.

The Program-level Student Learning Outcome (PSLOs) below is an outcome that students will achieve after completing specific degree/certificate requirements in this program.

Students will transfer, enter the workforce and promote life-long learning.

Equivalent Course List

The following Grossmont and Cuyamaca College courses are considered similar enough to be treated as equivalent. No Modification of Major forms will be required for the departments to accept these courses from Cuyamaca College.

Grossmont Course	Similar Cuyamaca Course
CSIS 110	CIS 110
CSIS 112	CIS 190
CSIS 113	CIS 191
CSIS 114	CIS 120
CSIS 119	CS 119
CSIS 133	CIS 212
CSIS 134	CIS 211
CSIS 135	CIS 215
CSIS 136	CIS 216
CSIS 137	GD 222
CSIS 165	CS 289
CSIS 172	CIS 105
CSIS 174	CIS 140
CSIS 190	CIS 221
CSIS 213	CIS 291
CSIS 276	CIS 240
CSIS 288	CS 180 A-B-C-D
CSIS 289	CS 280 A-B-C-D
CSIS 293	CS 182
CSIS 294	CS 282
CSIS 296	CS 181
CSIS 297	CS 281

Associate Degree Major Requirements

Area of Emphasis
Computer Programming

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.

Note: All courses must be completed with a letter grade of "C" or higher.

Subject & Number	Title	Units
Computer Science Info. Systems 112	Windows Operating Systems	3
or		
Computer Science Info. Systems 113	Introduction to Linux	(3)
Computer Science Info. Systems 119	Introduction to Computer Programming	3
Computer Science Info. Systems 280	Job Search Assistance and Retention	2
Computer Science Info. Systems 281	Directed Work Experience	2
or		
Computer Science Info. Systems 282	Directed Work Experience	(3)
	Total	10-11

Select TWO (2) of the following sequences:

Subject & Number	Title	Units
Computer Science Info. Systems 288	Introduction to Visual Basic Programming	(4)
and		
Computer Science Info. Systems 289	Intermediate Visual Basic Programming	(4)
or		
Computer Science Info. Systems 290	Introduction to C # Programming	(4)
and		
Computer Science Info. Systems 291	Intermediate C# Programming	(4)
or		
Computer Science Info. Systems 293	Introduction to Java Programming	(4)
and		
Computer Science Info. Systems 294	Intermediate java Programming and Fundamental Data Structures	(4)
or		
Computer Science Info. Systems 296	Introduction to C++ Programming	(4)
and		
Computer Science Info. Systems 297	Intermediate C++ Programming	(4)
	Total	16

Select ONE (1) of the following courses (the course cannot be part of the prior sequence):

Subject & Number	Title	Units
Computer Science Info. Systems 165	Assembly Language and Machine Architecture	4
Computer Science Info. Systems 220	Software Engineering I	3
Computer Science Info. Systems 270	Advanced Computer Programming	3
Computer Science Info. Systems 276	Introduction to SQL	3
Computer Science Info. Systems 288	Introduction to Visual Basic Programming	4
Computer Science Info. Systems 290	Introduction to C# Programming	4
Computer Science Info. Systems 293	Introduction to Java Programming	4
Computer Science Info. Systems 295	Android Application Development with Java	4
Computer Science Info. Systems 296	Introduction to C ++ Programming	4
	Total	3-4
	Total Required Plus General Education and Elective Requirements	29-31

Area of Emphasis
Local Area Network (LAN) Support Specialist

An area of emphasis leading to an entry level position which specializes in the planning, installation, development, operation and maintenance of local area networks (LANs). Students completing this sequence will be expected to assist LAN managers in large and medium-sized organizations. Advanced students may be assigned as the sole LAN support person in a smaller firm.

Note: All courses must be completed with a letter grade of "C" or higher.

Subject & Number	Title	Units
Computer Science Info. Systems 110	Principles of Information Systems	4
Computer Science Info. Systems 112	Windows Operating System	3
Computer Science Info. Systems 113	Introduction to Linux	3
Computer Science Info. Systems 114	Small Computer Systems	3
Computer Science Info. Systems 119	Introduction to Computer Programming	3
Computer Science Info. Systems 140	Introduction to Local Area Network (LAN) Management	4
Computer Science Info. Systems 142	Introduction to Networking	2
Computer Science Info. Systems 143	Local Area Networks	2
Computer Science Info. Systems 144	Wide Area Networks	2
Computer Science Info. Systems 145	Introduction to TCP/IP	2
Computer Science Info. Systems 280	Job Search Assistance and Retention	2
Computer Science Info. Systems 281	Directed Work Experience	2
or		
Computer Science Info. Systems 282	Directed Work Experience	(3)
	Total	32-33

Select ONE (1) of the following courses:

Subject & Number	Title	Units
Business 120	Financial Accounting	4
Business 128	Business Communication	3
Computer Science Info. Systems 146	Network Security	3
Computer Science Info. Systems 147	Internet Marketing	3
Computer Science Info. Systems 276	Introduction to SQL	3
	Total	3-4
	Total Required Plus General Education and Elective Requirements	35-36

Area of Emphasis Small Computer Specialist

An area of emphasis aimed at preparing students for positions involving direct use of computers for business administration, decision support, and financial applications. Students who complete this sequence are qualified to enter careers in which they function as end users, application developers and computer support technicians.

Note: All courses must be completed with a letter grade of "C" or higher.

Subject & Number	Title	Units
Computer Science Info. Systems 100	Basic Keyboarding	1
Computer Science Info. Systems 112	Windows Operating System	3
Computer Science Info. Systems 172	Introduction to Microcomputer Applications	2
or		
Computer Science Info. Systems 110	Principles of Information Systems	(4)
Computer Science Info. Systems 173	Microsoft Word	3
Computer Science Info. Systems 174	Microsoft Access	3
Computer Science Info. Systems 175	Microsoft Excel	3
Computer Science Info. Systems 177	Microsoft Power Point	3
	Total	18-20

Select ONE (1) of the following:

Subject & Number	Title	Units
Computer Science Info. Systems 113	Introduction to Linux	3
Computer Science Info. Systems 114	Small Computer Systems	3
Computer Science Info. Systems 132	Web Development Fundamentals	3
Computer Science Info. Systems 147	Internet Marketing	3
Computer Science Info. Systems 176	Computerized Accounting Applications	2
Computer Science Info. Systems 281	Directed Work Experience	2
	Total	2-3
	Total Required Plus General Education and Elective Requirements	20-23

Recommended Electives:

Subject & Number	Title	Units
Business 110	Introduction to Business	3
Business 120	Financial Accounting	4
Business 121	Managerial Accounting	4
Business 125	Business Law	3
Business 128	Business Communication	3
Communication 122	Public Speaking	3

Area of Emphasis Web Design

An area of emphasis in preparing students for entry-level positions creating websites. The curriculum provides the student with practical experience using state of the art software and hardware typically found in the field of professional web design.

Note: All courses must be completed with a letter grade of "C" or higher.

Subject & Number	Title	Units
Computer Science Info. Systems 110	Principles of Information Systems	4
or		
Computer Science Info. Systems 105	Introduction to Computing	(3)
Computer Science Info. Systems 112	Windows Operating Systems	3
Computer Science Info. Systems 132	Web Development Fundamentals	3
	Total	9-10

Select THREE (3) of the following courses:

Subject & Number	Title	Units
Computer Science Info. Systems 133	Introduction to Dreamweaver	3
Computer Science Info. Systems 135	JavaScript Programming	3
Computer Science Info. Systems 136	Dynamic Web Applications	4
Computer Science Info. Systems 137	Introduction to Flash	3
Computer Science Info. Systems 147	Internet Marketing	3
Computer Science Info. Systems 151	Introduction to Photoshop	3
or		
Computer Science Info. Systems 152	Introduction to 3D Animation Applications	(3)
Computer Science Info. Systems 190/ Multimedia 190	Digital Multimedia	4
Computer Science Info. Systems 293	Introduction to Java Programming	4
	Total	9-12
	Total Required Plus General Education and Elective Requirements	18-22

Certificate of Achievement

Any student who chooses to complete only the requirements for one of the areas of emphasis plus the Computer Science Information Systems core curriculum qualifies for a Certificate of Achievement in:

- Computer Science Information Systems–Computer Programming
- Computer Science Information Systems–Local Area Network (LAN) Support Specialist

- Computer Science Information Systems–Small Computer Specialist
- Computer Science Information Systems–Web Design

An official request must be filed with the Admissions and Records Office prior to the deadline as stated in the Academic Calendar.

Note: All courses must be completed with a letter grade of "C" or higher.

Cross-Cultural Studies

The Cross-Cultural Studies major prepares 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 program 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. Cross-cultural classes in general are helpful for further studies in such diverse fields as history, sociology, ethnic studies, third world studies and political science.

Career Opportunities

Curator*
Diplomat Corps*
Foreign Officer*
Import/Export Agent+
Lawyer*
Law Enforcement*
Museum Technician
Sociologist*
Social Worker*
Teacher*
Travel Agent
Writer

*Bachelor's Degree or higher required.
+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. Define and appreciate cultural diversity.
2. Contrast past forms of history with the history of inclusiveness.
3. Analyze the sources/causes of inequality and discrimination.

Associate Degree Major Requirements

Note: All courses in the major must be completed with a letter grade of "C" or higher.

Subject & Number	Title	Units
Cross-Cultural Studies 114/ Sociology 114	Introduction to the Sociology of Minority Group Relations	3
Cross-Cultural Studies 115	Cross-Cultural Awareness	3
	Total	6

Select SIX (6) units consisting of ONE (1) complete sequence from the following:

Subject & Number	Title	Units
Cross-Cultural Studies 118/ History 118	U.S. History: Chicano/ Chicana Perspectives I	3
and		
Cross-Cultural Studies 119/ History 119	U.S. History: Chicano/ Chicana Perspectives II	3
or		
Cross-Cultural Studies 130/ History 130	U.S. History and Cultures: Native American Perspectives I	(3)
and		
Cross-Cultural Studies 131/ History 131	U.S. History and Cultures: Native American	(3)
or		
Cross-Cultural Studies 150/ History 150	U.S. History: Asian American Perspectives I	(3)
and		
Cross-Cultural Studies 151/ History 151	U.S. History: Asian American Perspectives II	(3)
or		
Cross-Cultural Studies 180/ History 180	U.S. History: Black Perspectives I	(3)
and		
Cross-Cultural Studies 181/ History 181	U.S. History: Black Perspectives II	(3)
	Total	6

Select SIX (6) units from any other Cross-Cultural Studies courses.

Total	6

Additional Requirements:

At least one semester of a college level foreign language (3 to 5 units). The department recommends exposure to a foreign language other than a student's native language. [Spanish 120A and 120B are equivalent to one semester of Spanish 120]

Total	3-5
Total Required Plus General Education and Elective Requirements	21-23

Culinary Arts

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.

This program is also offered for Barona Resort and Casino employees participating in the Barona Institute Apprenticeship Program.

Career Opportunities

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

Note: All courses in the major must be completed with a letter grade of "C" or higher.

Subject & Number	Title	Units
Culinary Arts 160	Quantity Food Preparation and Production	3
Culinary Arts 163	Food Purchasing for Culinary Arts	1
Culinary Arts 165	Sanitation for Food Service	1
Culinary Arts 166	Menu Management	1
Culinary Arts 169	Essential Skills for Culinary Arts	3
Culinary Arts 171	Intermediate Culinary Skills	3
Culinary Arts 172	Principles of Soup, Stock and Sauce Preparation	3
Culinary Arts 173	Principles of Buffet and Catering	3
Culinary Arts 174	Principles of Baking and Pastry Making	3
Culinary Arts 175	Healthy Lifestyle Cuisine	3
Culinary Arts 178	Fruits, Vegetables, Ice Carving and Competition	3
Culinary Arts 180	Advanced Food Preparation for Fine Dining	3
Culinary Arts 280	Seminar for Work Experience for Culinary Arts	1
Culinary Arts 281	Work Experience in Culinary Arts	2
Culinary Arts 282	Advanced Work Experience in Culinary Arts	2
	Total	35

Select ONE (1) of the following courses:

Subject & Number	Title	Units
Health Education 155	Realities of Nutrition	3
Culinary Arts 164	International Cooking	3
Culinary Arts 167	Wines of the World	3
Culinary Arts 170	Introduction to Catering Management	3
Culinary Arts 176	Advanced Baking and Pastry Arts	3
Culinary Arts 177	Commercial Baking	3
	Total	3
	Total Required	38
	Plus General Education 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.

Note: All courses must be completed with a letter grade of "C" or higher.

Baking and Pastry
Associate Degree Major Requirements

Note: All courses in the major must be completed with a letter grade of "C" or higher.

Subject & Number	Title	Units
Culinary Arts 160	Quantity Food Preparation and Production	3
Culinary Arts 165	Sanitation for Food Service	1
Culinary Arts 169	Essential Skills for Culinary Arts	3
Culinary Arts 171	Intermediate Culinary Skills	3
Culinary Arts 174	Principles of Baking and Pastry	3
Culinary Arts 176	Advanced Baking and Pastry	3
Culinary Arts 177	Commercial Baking	3
Culinary Arts 180	Advanced Food Preparation for Fine Dining	3
Culinary Arts 183	Pastry Skills in Bread Baking	3
Culinary Arts 184	Pastry Skills in Chocolate Preparation	3
Culinary Arts 185	Sugar Work and Decorative Centerpieces	3
Culinary Arts 186	Pastry Skills in Cake Decorating	3
Culinary Arts 280	Seminar for Work Experience for Culinary Arts	1
Culinary Arts 281	Work Experience in Culinary Arts	2
Culinary Arts 282	Advanced Work Experience in Culinary Arts	2
	Total	39

Select ONE (1) of the following courses:

Subject & Number	Title	Units
Culinary Arts 164	International Cooking	3
Culinary Arts 175	Healthy Lifestyle Cuisine	3
	Total	3
	Total Required Plus General Education and Elective Requirements	42

Certificate of Achievement

Any student who chooses to complete only the requirements listed above for the major qualifies for the Certificate of Achievement in Baking and Pastry. An official request must be filed with the Admissions and Records Office prior to the deadline as stated in the Academic Calendar.

Note: All courses must be completed with a letter grade of "C" or higher.

Culinary Entrepreneurship

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

Note: All courses in the major must be completed with a letter grade of "C" or higher.

Subject & Number	Title	Units
Business 109	Elementary Accounting	3
Business 146	Marketing	3
Business 148	Customer Relations Management	1.5
Business 156	Principles of Management	3
Business 158	Introduction to Hospitality and Tourism Management	3
Business Office Technology 172	Introduction to Microcomputer Applications	2
Culinary Arts 160	Quantity Food Preparation and Production	3
Culinary Arts 163	Food Purchasing for Culinary Arts	1
Culinary Arts 165	Sanitation for Food Service	1
Culinary Arts 166	Menu Management	1
Culinary Arts 169	Essential Skills for Culinary Arts	3
Culinary Arts 171	Intermediate Culinary Skills	3
	Total	27.5

Select ONE (1) of the following courses:

Subject & Number	Title	Units
Business 115	Human Relations in Business	3
Business 140	Entrepreneurship: Developing a Business Plan	3
Cross-Cultural Studies 115	Cross-Cultural Awareness	3
Cross-Cultural Studies 170	American Indian Tribal Governments and Indian Sovereignty	3
Culinary Arts 170	Introduction to Catering Management	3
Culinary Arts 173	Principles of Buffet and Catering	3
	Total	3
	Total Required Plus General Education and Elective Requirements	30.5

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.

Note: All courses must be completed with a letter grade of "C" or higher.

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.

Note: All courses must be completed with a letter grade of "C" or higher.

Subject & Number	Title	Units
Culinary Arts 165	Sanitation for Food Service	1
Culinary Arts 169	Essential Skills for Culinary Arts	3
Culinary Arts 171	Intermediate Culinary Skills	3
Culinary Arts 172	Principles of Soup, Stock and Sauce Preparation	3
Culinary Arts 180	Advanced Food Preparation for Fine Dining	3
	Total	13

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.

Note: All courses must be completed with a letter grade of "C" or higher.

Banquet Cook
Certificate of Proficiency

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.

Note: All courses must be completed with a letter grade of "C" or higher.

Subject & Number	Title	Units
Culinary Arts 160	Quantity Food Preparation and Production	3
Culinary Arts 165	Sanitation for Food Service	1
Culinary Arts 169	Essential Skills for Culinary Arts	3
Culinary Arts 171	Intermediate Culinary Skills	3
Culinary Arts 172	Principles of Soup, Stock and Sauce Preparation	3
	Total	13

Pastry Cook
Certificate of Proficiency

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.

Note: All courses must be completed with a letter grade of "C" or higher.

Subject & Number	Title	Units
Culinary Arts 165	Sanitation for Food Service	1
Culinary Arts 169	Essential Skills for Culinary Arts	3
Culinary Arts 174	Principles of Baking and Pastry Making	3
Culinary Arts 176	Advanced Baking and Pastry Arts	3
Culinary Arts 177	Commercial Baking	3
	Total	13

Prep Cook
Certificate of Proficiency

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.

Note: All courses must be completed with a letter grade of "C" or higher.

Subject & Number	Title	Units
Culinary Arts 160	Quantity Food Preparation and Production	3
Culinary Arts 165	Sanitation for Food Service	1
Culinary Arts 169	Essential Skills for Culinary Arts	3
Culinary Arts 172	Principles of Soup, Stock and Sauce Preparation	3
Culinary Arts 180	Advanced Food Preparation for Fine Dining	3
	Total	13

DANCE

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

Choreographer*
Dance Director
Dance Historian*
Dancer
Dance Teacher*
Dance Therapist*
Fitness/Aerobics Instructor
Movement Notator
Performer
Reconstructor
Recreation Leader
*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

Note: All courses in the major must be completed with a letter grade of "C" or higher.

Subject & Number	Title	Units
Dance 080A	Modern I	1.5
Dance 080B	Modern II	1.5
Dance 084A	Jazz I	1.5
Dance 084B	Jazz II	1.5
Dance 088A	Ballet I	1.5
Dance 088B	Ballet II	1.5
Dance 094A or B or C or D	American Street Dance I or II or III or IV	1.5
Dance 110	Dance History	3
Dance 118A	Pilates I	1.5
Dance 205	Choreography and Improvisation I	2
	Total	17

Select TWO (2) of the following courses:

Subject & Number	Title	Units
Dance 080C	Modern III	1.5
Dance 080D	Modern IV	1.5
Dance 084C	Jazz III	1.5
Dance 084D	Jazz IV	1.5
Dance 088C	Ballet III	1.5
Dance 088D	Ballet IV	1.5
	Total	3

Select TWO (2) of the following courses:

Subject & Number	Title	Units
Dance 201	Dance Theatre Performance I	1
Dance 202	Dance Theatre Performance II	1.5
Dance 203	Dance Theatre Performance III	2
Dance 223	Student Choreography for Production I	2.5
Dance 224	Student Choreography for Production II	2.5
Dance 225	Student Choreography for Production III	2.5
Dance 227	Performance Ensemble I	1
Dance 228	Performance Ensemble II	1.5
Dance 229	Performance Ensemble III	2
Dance 230	Performance Ensemble III	2.5
	Total	2-5

Select TWO (2) of the following courses:

Subject & Number	Title	Units
Dance 071A or B	Studio Workshop in Tap Dance I or II	1
Dance 072A or B	Studio Workshop in Modern Dance I or II	1
Dance 074A or B	Studio Workshop in Jazz Dance I or II	1
Dance 078A or B	Studio Workshop in Ballet I or II	1
Dance 081A or B or C or D	Tap I or II or III or IV	1.5
Dance 082A or B	Social and Ballroom Dance I or II	1.5
Dance 094A or B or C or D	American Street Dance I or II or III or IV	1.5
Dance 099A or B or C	Studio Workshop in Pointe I or II or III	1
Dance 118B or C or D	Pilates II or III or IV	1.5
Dance 206	Choreography and Improvisation II	2
	Total	2-3.5
	Total Required	24-28.5
	Plus General Education 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.

Note: All courses must be completed with a letter grade of "C" or higher.

Disability Services Management

This program is designed to prepare the student to provide support to individuals with disabilities in a variety of home, work, school and recreation environments. Emphasis is placed on students applying their skills in increasingly complex systems of support. The program is structured to encourage transfer to four-year institutions. Health Sciences 110 and 150 plus certification in CPR and First Aid meet the minimum requirements for the California State Department of Developmental Services Residential Services Specialist (RSS) Certificate.

Career Opportunities

Counselor*
Group-Home Manager
Occupational Therapist*
Psychologist*
Recreational Therapist
Speech Pathologist*
Social Worker*
Special Education Teacher*
*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 principles of inclusion for people with disabilities in a variety of environments including home, work, school, community and recreation.
2. Gain an understanding of the factors impacting quality of life for persons with disabilities.
3. Implement a variety of training techniques that will enhance a person with a disability in daily life and independence.

Note: All courses in the major must be completed with a letter grade of "C" or higher.

Subject & Number	Title	Units
Business 156	Principles of Management	3
Family Studies 120	Human Development	3
Health Education 120	Personal Health and Lifestyles	3
Health Sciences 110	Disability and Society	3
Health Sciences 150	Techniques for Developmental Disabilities Specialist	3
Health Sciences 205	Alternative/Augmentative Communication and Assistive Technology for People with Disabilities	3
Health Sciences 206	Behavior Management and Training Techniques	3
Psychology 120	Introductory Psychology	3
	Total	24

Select FOUR (4) units using any combination of the following courses:

Subject & Number	Title	Units
Health Sciences 152 A-B	Work Experience for Disability Services Management	2
Health Sciences 154	Work Experience for Disability Services Management	4
	Total	4

Select any TWO (2) of the following courses (minimum of 4.5 units):

Subject & Number	Title	Units
Biology 120	Principles of Biology	4
Biology 140	Human Anatomy	5
Biology 144	Human Anatomy and Physiology I	4
Business 115	Human Relations in Business	3
Child Development 141	Working with Children with Special Needs	3
Communication 120	Interpersonal Communication	3
or		
Communication 122	Public Speaking	(3)
Exercise Science 290A	Beginning Teaching Techniques and Methods in Exercise Science	1.5
or		
Exercise Science 290B	Intermediate Teaching Techniques and Methods in Exercise Science	(1.5)
or		
Exercise Science 290C	Advanced Teaching Techniques and Methods in Exercise Science	(1.5)
Health Education 155	Realities of Nutrition	3
Psychology 134	Human Sexuality	3
Sociology 120	Introductory Sociology	3
Sociology 125	Marriage, Family, and Alternate Life Styles	3
	Total	4.5-9
	Total Required Plus General Education and Elective Requirements	32.5-37

Certificate of Achievement

Any student who chooses to complete only the courses required for the above major and who has CPR and First Aid certification qualifies for a Certificate of Achievement in Disability Services Management. An official request must be filed with the Admissions and Records Office prior to the deadline as stated in the Academic Calendar.

Note: All courses must be completed with a letter grade of "C" or higher.

Economics

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

Auditor*
Claim Adjuster+
Claim Examiner+
Computer Systems Engineer*
Credit Analyst*
Employment Interviewer
Financial Planner*
Fund Raiser*
Hospital Insurance Representative
Market Research Analyst
Statistician*
Treasurer*

*Bachelor's Degree or higher required.
+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

All courses in the major must be completed with a "C" grade or higher.

Subject & Number	Title	Units
Economics 120	Principles of Macroeconomics	3
Economics 121	Principles of Microeconomics	3
History 106	Modern Western Civilization	3
History 109	Modern American History	3
Mathematics 160	Elementary Statistics	4
Political Science 121	Introduction to U.S. Government and Politics	3
	Total	19

Select ONE (1) of the following courses:

Subject & Number	Title	Units
Political Science 130	Introduction to International Relations	3
Sociology 114	Introduction to the Sociology of Minority Group Relations	3
Sociology 120	Introductory Sociology	3
	Total	3

Select ONE (1) of the following courses:

Subject & Number	Title	Units
Mathematics 178*	Calculus for Business, Social and Behavioral Sciences	4
Mathematics 180*	Analytic Geometry and Calculus I	5
	Total	4-5
	Total Required Plus General Education and Elective Requirements	26-27

*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 Mathematics 180-280-281.

English

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

Advertising Manager*
Announcer (Radio and TV)
Clergy Member
College English Professor*
Fiction/Nonfiction Writer
Foreign Service Officer
Freelance Writer*
Fund Raiser*
Media Planner*
Reporter*
Researcher*

*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. 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 writers.
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
Core Curriculum

Note: All courses in the major must be completed with a letter grade of "C" or higher.

Subject & Number	Title	Units
English 120	College Composition and Reading	3
English 122	Introduction to Literature	3
English 124	Advanced Composition: Critical Reasoning and Writing	3
English 126	Creative Writing	3
	Total	12

Select SIX (6) units from the following:

Subject & Number	Title	Units
English 221	British Literature I	3
English 222	British Literature II	3
English 231	American Literature I	3
English 232	American Literature II	3
English 241	Literature of the Western World I	3
English 242	Literature of the Western World II	3
	Total	6

Select THREE (3) units from the following:

Subject & Number	Title	Units
English 215	Mythology	3
English 236	Chicano Literature	3
or		
Cross-Cultural Studies 236	Chicano Literature	(3)
English 237	American Indian Literature	3
or		
Cross-Cultural Studies 237	American Indian Literature	(3)
English 238	Black Literature	3
or		
Cross-Cultural Studies 238	Black Literature	(3)
	Total	3

Select THREE (3) units from the following:

Subject & Number	Title	Units
History 100	Early World History	3
History 101	Modern World History	3
History 105	Early Western Civilization	3
History 106	Modern Western Civilization	3
Humanities 120	European Humanities	3
Humanities 170	World Humanities	3
Philosophy 112	The Classical Mind	3
Philosophy 114	The Medieval Mind	3
Philosophy 116	The Modern Mind	3
Philosophy 118	The Contemporary Mind	3
	Total	3
	Total Required Plus General Education and Elective Requirements	24

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.

TWO (2) sequential semesters of a single foreign language [Spanish 120A and 120B are equivalent to one semester of Spanish 120]	Units
	10
Total	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.

Note: All courses in the major must be completed with a letter grade of "C" or higher.

Area of Emphasis
Creative Writing

Note: All courses must be completed with a letter grade of "C" or higher.

Select SIX (6) additional units from the following:

Subject & Number	Title	Units
English 130	Short Fiction Writing I	3
English 131	Short Fiction Writing II	3
English 132	Short Fiction Writing III	3
English 133	Short Fiction Writing IV	3
English 134	Creative Nonfiction Writing I	3
English 135	Creative Nonfiction Writing II	3
English 136	Creative Nonfiction Writing III	3
English 137	Creative Nonfiction Writing IV	3
English 140	Poetry Writing I	3
English 141	Poetry Writing II	3
English 142	Poetry Writing III	3
English 143	Poetry Writing IV	3
English 145	The Acorn Review: Editing and Production I	3
English 146	The Acorn Review: Editing and Production II	3
English 147	The Acorn Review: Editing and Production III	3
English 148	The Acorn Review: Editing and Production IV	3
English 160	Drama Writing I	3
English 161	Drama Writing II	3
English 162	Drama Writing III	3
English 163	Drama Writing IV	3
English 175	Novel Writing I	3
English 176	Novel Writing II	3
English 177	Novel Writing III	3
English 278	Novel Writing IV	3
	Total	6
	Total Required Plus General Education and Elective Requirements	30

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.

Note: All courses must be completed with a letter grade of "C" or higher.

Exercise Science and Wellness

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. Courses required for the certificate are on page 75. For more details, contact the Exercise Science Department.

Career Opportunities

Athletic Trainer*
Fitness Professional (personal trainer, aerobic dance instructor, fitness club instructor, etc.)
Physical Therapy*
Recreational Sports Coach*
Secondary School Coach*
Teacher*
*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 Core Curriculum

Note: All courses in the major must be completed with a letter grade of "C" or higher.

Subject & Number	Title	Units
Exercise Science 005A or B or C	Beginning, or Intermediate, or Advanced Aerobic Fitness and Weight Training	1.5
Exercise Science 250	Introduction to Kinesiology	3
Exercise Science 255	Care and Prevention of Athletic Injuries	3
Exercise Science 290A or B or C	Beginning, or Intermediate, or Advanced Teaching Techniques and Methods in Exercise Science	1.5
Biology 140	Human Anatomy	5
Chemistry 115 or Chemistry 120	Fundamentals of Chemistry Preparation for General Chemistry	4 (4)
Communication 122	Public Speaking	3
Health Education 158 or Health Education 255	Nutrition for Fitness and Sports Science of Nutrition NOTE: (HED 255 is required for the Kinesiology major at SDSU)	3 (3)
Psychology 120	Introductory Psychology	3
Sociology 120	Introductory Sociology	3
	Total	30

Select ONE (1) of the following courses:

Subject & Number	Title	Units
Biology 215	Statistics for Life Sciences	3
Psychology 215	Statistics for the Behavioral Sciences	3
Sociology 215	Statistics for the Behavioral Sciences	3
Mathematics 160	Elementary Statistics	4
	Total	3-4

Select ONE (1) of the following courses:

Subject & Number	Title	Units
Exercise Science 006A or B or C	Beginning or Intermediate or Advanced Total Body Fitness	1
Exercise Science 009A or B or C	Beginning or Intermediate or Advanced Aerobic Dance Exercise	1
Exercise Science 023A or B or C	Beginning or Intermediate or Advanced Weight Training	1
Exercise Science 043A or B or C	Beginning or Intermediate or Advanced Swimming	1
Exercise Science 060A or B or C	Beginning or Intermediate or Advanced Badminton	1
Exercise Science 076A or B or C	Beginning or Intermediate or Advanced Tennis	1
Exercise Science 120A or B or C	Beginning or Intermediate or Advanced Bowling	1
Exercise Science 125A or B or C	Beginning or Intermediate or Advanced Golf	1-1.5
Exercise Science 130A or B or C	Beginning or Intermediate or Advanced Gymnastics	1-1.5
Exercise Science 171A or B or C	Beginning or Intermediate or Advanced Softball	1
Exercise Science 175A or B or C	Beginning or Intermediate or Advanced Volleyball	1
	Total	1-1.5
	Total Required Plus General Education and Elective Requirements	34-35.5

Certificate of Achievement

Any student who chooses to complete only those courses required for the above major (i.e. 34-35.5 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.

Note: All courses must be completed with a letter grade of "C" or higher.

Area of Emphasis
Athletic Training

In addition to completion of the core curriculum the following courses must be completed:

Note: All courses must be completed with a letter grade of "C" or higher.

Subject & Number	Title	Units
Biology 230	Principles of Cellular, Molecular and Evolutionary Biology	4
Biology 240	Principles of Ecology, Evolution and Organismal Biology	5
Chemistry 116	Introductory Organic Chemistry	4
Chemistry 141	General Chemistry I	5
Computer Science Info. Systems 110	Principles of Information Systems	4
	Total	22
	Total Required Plus General Education and Elective Requirements	55.5-56

Certificate of Achievement

Any student who chooses to complete only those courses required for the above major (i.e. 55.5-56 units) qualifies for a Certificate of Achievement in Exercise Science and Wellness with an emphasis in Athletic Training. An official request must be filed with the Admissions and Records Office prior to the deadline as stated in the Academic Calendar.

Note: All courses must be completed with a letter grade of "C" or higher.

Fitness Specialist Certification

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.

Note: All courses must be completed with a letter grade of "C" or higher.

Subject & Number	Title	Units
Exercise Science 255	Care and Prevention of Athletic Injuries	3
Exercise Science 291	Anatomy and Kinesiology For Fitness Specialists	3
Exercise Science 292	Exercise Physiology for Fitness Specialists	3
Exercise Science 293	Strength Training/Fitness Assessments for Fitness Specialists	2
Exercise Science 294	Exercise Program Design and Special Populations	3
Exercise Science 196	Community Service Learning for Fitness Specialists	1
Exercise Science 296	Internship Seminar for Fitness Specialists	.5
Health Education 158	Nutrition for Fitness and Sport	3
	Total	18.5

FRENCH

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 Foreign Languages.

Career Opportunities

Customs Agent/Inspector
Diplomatic Officer*
Fashion Coordinator+
Foreign Broadcast Specialist*
Foreign Correspondent*
Immigration Inspector
Journalist*
Teacher/Professor*
Travel Agent+
United Nations Guide

*Bachelor's Degree or higher required.
+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

Note: All courses in the major must be completed with a letter grade of "C" or higher.

Subject & Number	Title	Units
French 120	French I	5
French 121	French II	5
French 220	French III	5
French 221	French IV	5
French 250	Conversational French I	3
French 251	Conversational French II	3
History 106	Modern Western Civilization	3
or		
Humanities 120	European Humanities	(3)
	Total Required Plus General Education and Elective Requirements	29

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.

Note: All courses must be completed with a letter grade of "C" or higher.

General Studies AA–Humanities and Fine Arts

Minimum 18 units required. Minimum 6 units from Humanities and 6 units from Fine Arts. The remaining 6 units can be taken from either category

Note: All courses in the major must be completed with a letter grade of "C" or higher.

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. Examine their own esthetic and creative experience.
2. Develop an awareness and appreciation of humanistic disciplines.
3. Analyze the study of human culture from a variety of perspectives.

Humanities

ASL 120, 121, 130, 140, 160, 220, 221, 250
ARBC 120, 121, 122, 123, 220, 221, 250, 251
CHIN 120, 121, 220, 221, 250, 251
COMM 124, 137, 144, 145
CCS 122, 123, 144, 147, 149, 152, 236, 238
ENGL 112, 118, 122, 201, 215, 217, 218, 219, 221, 222, 225, 226, 227, 228, 231, 232, 236, 237, 238, 241, 242
FREN 120,121, 152, 220, 221, 250, 251
GERM 120, 121, 220, 221, 250, 251
HIST 100, 101, 103, 105, 106, 112, 113, 126, 135, 136, 137, 147, 148, 156, 157
HUM 110, 120, 125, 130, 135, 160, 170
ITAL 120, 121, 220, 221, 250, 251
JAPN 120, 121, 149, 220, 221, 250, 251
PHIL 110, 111, 112, 114, 116, 118, 140, 141, 145, 150, 155
RELG 120, 130, 140, 150
RUSS 120, 121, 220, 221, 250, 251
SPAN 120, 120AB, 121, 122, 123, 141, 145, 220, 221, 250, 251

Fine Arts

ART 100, 120, 121, 124, 125, 126, 127, 129, 130, 131, 132, 140, 141, 142, 143, 145, 146, 147, 171, 172, 189
CCS 126, 134
DANC 110
ENGL 126
MCOM 111, 189
MUS 110, 111, 115, 116, 117, 189
PHOT 150, 151, 154
THTR 101, 110, 130, 131, 143, 144, 189

General Studies AS–Science and Quantitative Reasoning

Minimum 18 units required. Minimum 6 units from Science and 6 units from Analytical Thinking and Quantitative Reasoning. The remaining 6 units can be taken from any category.

Note: All courses in the major must be completed with a letter grade of "C" or higher.

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. Explore scientific methodologies as investigative tools.
2. Acquire and analyze evidence.
3. Distinguish past and present influences of science on world civilizations.
4. Identify and analyze basic mathematical and quantitative reasoning concepts.

Science

ANTH 130, 131
ASTR 110, 112, 120
BIO 105, 110, 112, 114, 118, 120, 140, 141, 141L, 142, 144, 145, 150, 152, 180, 230, 240
CHEM 102, 110, 113, 115, 116, 120, 141, 142, 231, 232
GEOG 120, 121, 140, 150
GEOL 104, 110, 111, 121, 150, 210, 220, 230
OCEA 112, 113, 150
PSC 100, 110, 111
PHYC 110, 130, 131, 140, 240, 241
SCI 110

Analytical Thinking and Quantitative Reasoning

ANTH 215
BIO 215
CSIS 119, 165, 293, 294, 296, 297
GEOG 104
MATH 120, 125, 126, 150, 160, 170, 175, 176, 177, 178, 180, 245, 280, 281, 284, 285
PHIL 125, 130
PSY 215
SOC 215

General Studies AA–Social and Behavioral Sciences

Minimum 18 units required. Minimum 6 units from Social Sciences and 6 units from Behavioral Sciences. The remaining 6 units can be taken from either category.

Note: All courses in the major must be completed with a letter grade of "C" or higher.

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. Identify and apply methods of inquiry used by social and behavioral sciences.
2. Critically interpret the ways people act and have acted in response to their societies.
3. Distinguish and critique how societies and social subgroups operate.

Social Sciences

AOJ 110, 200, 240
CCS 114, 118, 119, 124, 127, 128, 130, 131, 132, 133, 135, 143, 144, 145, 150, 151, 153, 154, 155, 170, 172, 174, 176, 178, 180, 181
CD 115, 145, 153
COMM 144
COUN 120
ECON 110, 120, 121, 261
FS 115
GEOG 106, 130, 170
HESC 110
HIST 108, 109, 114, 115, 118, 119, 122, 123, 124, 127, 130, 131, 150, 151, 154, 155, 180, 181
MCOM 110
POSC 120, 121, 124, 130, 135, 140, 150, 160
SOC 114

Behavioral Sciences

ANTH 120, 140
CD 115, 125, 153
COMM 124, 128
CCS 115, 125, 153
FS 115, 120
HED 120, 155, 201
PSY 120, 125, 130, 132, 134, 138, 140, 150, 170, 180, 220
SOC 120, 125, 130, 138, 140, 160

General Studies AA–Wellness and Self-Development

Minimum 18 units required. Minimum 6 units from Wellness and 6 units from Self Development. The remaining 6 units can be taken from either category. A maximum of 3 units of credit allowed for ES/DANC activity courses.

Note: All courses in the major must be completed with a letter grade of "C" or higher.

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. Identify the psychological, biological, developmental and physical factors that make up wellness and self development.
2. Recognize and demonstrate effective decisions about optimizing their own wellness, lifestyle and performance.

Wellness

BIO 118
ES 250, 255
HED 101, 105, 120, 155, 158, 201, 255
Activity: DANC 080A-D, 081A-D, 082A-B, 084A-D, 088A-D, 094A-D, 099A-C
Activity: ES 001, 002, 003, 004A-C, 005A-C, 006A-C, 007A-C, 008, 009A-C, 021A-C, 023A-C, 024A-C, 027, 028A-C, 029, 030, 035, 037A-C, 039, 040A-C, 041, 043, 044A-C, 060, 076, 120, 121, 125, 130, 135, 136, 150, 155, 156, 170, 171, 172, 175, 180, 185, 200, 201

Self Development

BIO 112
BUS 195
CCS 115, 153
CD 125, 153
CHEM 110
COMM 128
COUN 110, 120, 130
ENGL 219
FS 110, 120, 129
HESC 110
LIR 110
PSY 130, 132, 134, 140, 150, 180, 220
SOC 125, 160

Geography

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

Aerial Photograph Interpreter
Computer Mapping (G.I.S.)*
Demographer*
Ecologist*
Environmental Analyst*
Geographer*
Land Planner*
Meteorologist*
Satellite Image Processor*
Site Planner*
Spatial Analyst*
Surveyor
Teacher/Professor*
Water Resources Manager*

*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

Note: All courses in the major must be completed with a letter grade of "C" or higher.

Subject & Number	Title	Units
Geography 104	Introduction to Geographic Information Science	3
Geography 120	Elements of Physical Geography	3
Geography 121	Physical Geography Laboratory	1
Geography 130	Human and Cultural Geography	3
Geography 140	Introduction to Meteorology	3
Geography 150	Field Study of the Natural History of the Greater San Diego Region	3
Geography 170	The Geography of California	3
Geology 110	Planet Earth	3
	Total Required	22
	Plus General Education and Elective Requirements	

Recommended Electives:

Subject & Number	Title	Units
Geography 172	Field Exploration: Colorado Plateau	3
Geography 173	Field Exploration: Cascade Range/Modoc Plateau	3
Geography 174	Field Exploration: Basin and Range Province	3
Geography 175	Field Exploration: California Coastal Mountains	3
Geography 176	Field Exploration: Sierra Nevada	3
Mathematics 150	Introduction to Computer Programming Applications in Mathematics	3
Mathematics 160	Elementary Statistics	4
Three semesters of a foreign language or high school equivalency [Spanish 120A and 120B are equivalent to one semester of Spanish 120]		15

Geology

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

Engineering Geologist*
Environmental Geologist*
Geochemist*
Geology Assistant
Geophysicist*
Hydrogeologist*
Marine Geologist*
Mineralogist*
Oceanographer*
Paleobotanist/Paleontologist*
Petroleum Geologist*
Petrologist*
Seismologist*
Soils Technician
Teacher/Professor*
Volcanologist*
Waste Management Geologist*
*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

Note: All courses in the major must be completed with a letter grade of "C" or higher.

Subject & Number	Title	Units
Chemistry 141	General Chemistry I	5
Chemistry 142	General Chemistry II	5
Geology 110	Planet Earth	3
Geology 111	Planet Earth Laboratory	1
Geology 121	Earth History	4
Mathematics 180	Analytic Geometry and Calculus I	5
	Total	23

Select TWO (2) of the following courses:

Subject & Number	Title	Units
Biology 120	Principles of Biology	4
Mathematics 280	Analytic Geometry and Calculus II	4
Physics 140	Mechanics of Solids	4
Physics 240	Electricity, Magnetism and Heat	4
	Total	8

Select a minimum of SIX (6) units from the following:

Subject & Number	Title	Units
Geography 104	Introduction to Geographic Information Science (GIS)	3
Astronomy 110	Descriptive Astronomy	3
Geography 120	Elements of Physical Geography	3
Geography 140	Introduction to Meteorology	3
Geology 150	Field Study of the Natural History of the Greater San Diego Region	3
Geology 162	Geologic Field Studies: Southern California Mountain Areas	1
Geology 163	Geologic Field Studies: Mojave Desert and Adjacent Areas	1
Geology 164	Geologic Field Studies: Southern California Coastal Areas	1
Geology 165	Geologic Field Studies: Colorado Desert/Salton Trough Area	1
Geology 172	Field Exploration: Colorado Plateau	3
Geology 173	Field Exploration: Cascade Range/Modoc Plateau	3
Geology 174	Field Exploration: Basin and Range Province	3
Geology 175	Field Exploration: California Coastal Mountains	3
Geology 176	Field Exploration: Sierra Nevada	3
Geology 210	Geology of California	4
Geology 220	Geology of National Parks	4
Geology 230	Natural Disasters	3
Oceanography 112	Introduction to Oceanography	3
Oceanography 113	Oceanography Laboratory	1
	Total	6
	Total Required	37
	Plus General Education and Elective Requirements	

German

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

Diplomatic Officer*
Foreign Correspondent*
Foreign Exchange Clerk
Foreign Service Officer
Intelligence Specialist*
Interpreter/Translator*
Immigration Inspector
Journalist*
Teacher/Professor*
Public Relations Specialist*
*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 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

Note: All courses in the major must be completed with a letter grade of "C" or higher.

Subject & Number	Title	Units
German 120	German I	5
German 121	German II	5
German 220	German III	5
German 221	German IV	5
German 250	Conversational German I	3
German 251	Conversational German II	3
History 106	Modern Western Civilization	3
or		
Humanities 120	European Humanities	3
	Total Required	29
	Plus General Education 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.

Note: All courses must be completed with a letter grade of "C" or higher.

Associate in Arts in History for Transfer (A.A.-T)

The Associate in Arts in History for Transfer (A.A.-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) for CSU requirements (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 Degree in History for Transfer (A.A.-T):

(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 in all courses required for the major or area of emphasis. A "Pass" grade is not an acceptable grade for courses in 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.

Note: All courses in the major must be completed with a letter grade of "C" or higher.

Associate in Arts Degree Requirements

Required Core

Subject and Number	Title	Units
History 108	Early American History	3
History 109	Modern American History	3
	Total	6

List A: Select SIX (6) units of the following courses:

Subject and Number	Title	Units
History 100	Early World History	3
or		
History 105	Early Western Civilization	(3)
and		

Select ONE (1) of the following courses:

History 101	Modern World History	3
or		
History 106	Modern Western Civilization	(3)
	Total	6

List B: Select ONE (1) course from GROUP 1 and ONE (1) course from GROUP 2

Group 1

A foreign language course which is articulated as fulfilling CSU GE Area C2 (3-5 units)
or
Select ONE (1) of the following diversity courses (or History 100 or History 101 if not used in the Required Core)

Subject and Number	Title	Units
History 103	Twentieth Century World History	3
History 114	Comparative History of the Early Americas	3
History 115	Comparative History of the Modern Americas	3
History 118	U.S. History: Chicano/Chicana Perspectives I	3
History 119	U.S. History: Chicano/Chicana Perspectives II	3
History 122	Women in Early American History	3
History 123	Women in Modern American History	3
History 137	History of East Asia	3
History 148	Emergence of the Modern Middle East	3
History 150	U.S. History: Asian American Perspectives I	3
History 151	U.S. History: Asian American Perspectives II	3
History 180	U.S. History: Black Perspectives I	3
History 181	U.S. History: Black Perspectives II	3

Group 2

Select ONE course not already used in the Required Core or List A.

Subject and Number	Title	Units
History 103	Twentieth Century World History	3
History 105	Early Western Civilization	3
History 106	Modern Western Civilization	3
History 112	American History: 1945-Present	3
History 113	American Military History	3
History 114	Comparative History of the Early Americas	3
History 115	Comparative History of the Modern Americas	3
History 118	U.S. History: Chicano/ Chicana Perspectives I	3
History 119	U.S. History: Chicano/ Chicana Perspectives II	3
History 122	Women in Early American History	3
History 123	Women in Modern American History	3
History 124	History of California	3
History 126	History of Mexico	3
History 135	Ancient History of Western Civilization	3
History 136	Survey of Medieval History	3
History 137	History of East Asia	3
History 148	Emergence of the Modern Middle East	3
History 150	U.S. History: Asian American Perspectives I	3
History 151	U.S. History: Asian American Perspectives II	3
History 180	U.S. History: Black Perspectives I	3
History 181	U.S. History: Black Perspectives II	3
Total Units for Major		18-20
Total Units for CSU GE Breadth or IGETC		37-39
Total Transferable Elective Units		3-5
Total Units for Degree		60

Hospitality and Tourism Management

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

Airline Reservation Agent
Executive Housekeeper
Flight Attendant +
Front Office Manager +
Golf/Country Club Manager *
Hotel Manager/Supplier *
Public Relations Specialist *
Restaurant Manager *

*Bachelor's Degree or higher required.
+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. 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

Note: All courses in the major must be completed with a letter grade of "C" or higher.

Subject & Number	Title	Units
Business 120	Financial Accounting	4
Business 121	Managerial Accounting	4
Business 125	Business Law: Legal Environment of Business	3
Business 128	Business Communication	3
Business 158	Introduction to Hospitality and Tourism Management	3
Business 160	Hospitality Managerial Accounting and Controls	3
Computer Science Info. Systems 110	Principles of Information Systems	4
Economics 120	Principles of Macroeconomics	3
Economics 121	Principles of Microeconomics	3
Mathematics 160	Elementary Statistics	4

Mathematics 178	Calculus for Business, Social and Behavioral Science	4
	Total Required	38
	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 Hospitality Management. An official request must be filed with the Admissions and Records Office prior to the deadline as stated in the Academic Calendar.

Note: All courses must be completed with a letter grade of "C" or higher.

International Business

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

Broker
Customs Broker
Freight Forwarder
Import-Export Agent
Import-Export Specialist
International Finance and Accounting
International Law
International Planning and Management
International Purchasing and 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. Evaluate and decide international business courses of action by applying academic and practical knowledge/skills acquired in international business, international marketing, international finance and international logistic courses.
2. Compose a successful marketing plan by the correct analysis of quantitative and qualitative international economic and market indicators.
3. Select the most cost effective and timely methods of international product delivery utilizing contemporary logistic to achieve profitability and customer satisfaction.

Associate Degree Major Requirements

Note: All courses in the major must be completed with a letter grade of "C" or higher.

Subject & Number	Title	Units
Business 120	Financial Accounting	4
Business 250	Introduction to International Business	3
Business 251	Import/Export Procedures	2
Business 252	Global Sourcing, Buying and Manufacturing	1.5
Business 253	International Marketing: Expanding Exports	3
Business 256	International Financial Transactions	2
Business 257	International Transportation	1.5
Business 258	The Cultural Dimension in International Business	3
	Total	20

Select TWO (2) of the following courses:

Subject & Number	Title	Units
Business 121	Managerial Accounting	4
Business 140	Entrepreneurship: Developing a Business Plan	3
Business 146	Marketing	3
Business 265A-B-C-D or	Internship in International Business	1
Business 266 or	Internship in International Business	(2)
Business 267	Internship in International Business	(3)
	Total	4-7

Select ONE (1) of the following courses:

Subject & Number	Title	Units
Communication 124	Intercultural Communication	3
French 152	The French Speaking World: A Cultural Perspective	3
Geography 130	Human and Cultural Geography	3
History 137	History of East Asia	3
History 147	Middle East History	3
Humanities 130	East Asian Humanities	3
Spanish 141	Spanish and Latin American Culture	3
or ONE (1) course in any foreign language [Spanish 120A and 120B are equivalent to one semester of Spanish 120]		3-5
	Total	3-5
	Total Required	27-32
	Plus General Education 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.

Note: All courses must be completed with a letter grade of "C" or higher.

JAPANESE

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 Foreign Languages.

Career Opportunities

Advertising
Bilingual Aide
Foreign Correspondent*
Foreign Broadcast Specialist*
Import-Export Agent
In-Country Representative
Intelligence Specialist
Journalist*
Manufacturer's Representative
Sales Person
Scientist Linguist
Teacher/Professor*
Translator/Interpreter*
Travel Agent
United Nations Guide

*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

Note: All courses in the major must be completed with a letter grade of "C" or higher.

Subject & Number	Title	Units
Japanese 120	Japanese I	5
Japanese 121	Japanese II	5
Japanese 220	Japanese III	5
Japanese 221	Japanese IV	5
Japanese 250	Conversational Japanese I	3
Japanese 251	Conversational Japanese II	3
	Total	26

Select ONE (1) of the following courses:

Subject & Number	Title	Units
Cross-Cultural Studies 149	Japanese Culture and Civilization	3
Cross-Cultural Studies 150	U.S. History: Asian Perspective I	3
Cross-Cultural Studies 151	U.S. History: Asian Perspective II	3
History 137	History of East Asia	3
History 150	U.S. History: Asian Perspective I	3
History 151	U.S. History: Asian Perspective II	3
Japanese 149	Japanese Culture and Civilization	3
	Total Required	29
	Plus General Education and Elective Requirements	

MANAGEMENT

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

Claim Adjuster+
Employment Interviewer
Inventory Manager
Management Analyst*
Management Consultant*
Management Trainee
Operations Manager
Office Manager+
Production Controller+
Trust Officer, Bank*

*Bachelor's Degree or higher required.
+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. 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

Note: All courses in the major must be completed with a letter grade of "C" or higher.

Subject & Number	Title	Units
Business 115	Human Relations in Business	3
Business 120	Financial Accounting	4
Business 125	Business Law: Legal Environment of Business	3
Business 128	Business Communication	3
Business 155	Human Resources Management	3
Business 156	Principles of Management	3
Communication 122	Public Speaking	3
	Total	22

Select FOUR (4) units from the following courses:

Subject & Number	Title	Units
Business 176	Computerized Accounting Applications	2
Business Office Technology 172	Introduction to Microcomputer Applications	2
Computer Science Info. Systems 110	Principles of Information Systems	4
Computer Science Info. Systems 175	Microsoft Excel	3
	Total	4

Select ONE (1) of the following courses:

Subject & Number	Title	Units
Business 118	Retail Management	3
Business 121	Managerial Accounting	4
Business 142	Personal Selling and Persuasion	3
Business 144	Advertising	3
Business 146	Marketing	3
Business 159 A-B-C-D	Management Internship	3
Economics 120	Principles of Macroeconomics	3
	Total	3-4
	Total Required Plus General Education and Elective Requirements	29-30

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.

Note: All courses must be completed with a letter grade of "C" or higher.

MARKETING

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

Account Executive*
Advertising Manager*
Booking Agent
Claim Adjustor+
Consumer Affairs Director*
Financial Planner*
Import-Export Agent+
Internal Revenue Investigator*
Management Trainee
Marketing Manager+
Purchasing Agent
Retail Manager
Securities Trader*
Stockbroker*

*Bachelor's Degree or higher required.
+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

Note: All courses in the major must be completed with a letter grade of "C" or higher.

Subject & Number	Title	Units
Business 120	Financial Accounting	4
Business 125	Business Law: Legal Environment of Business	3
Business 128	Business Communication	3
Business 146	Marketing	3
Business 156	Principles of Management	3
Business Office Technology 172	Introduction to Microcomputer Applications	2
	Total	18

Select THREE (3) of the following courses:

Subject & Number	Title	Units
Business 118	Retail Management	3
Business 142	Personal Selling and Persuasion	3
Business 144	Advertising	3
Business 252	Global Sourcing, Buying and Manufacturing	1.5
Business 253	International Marketing: Expanding Exports	3
	Total	7.5-9

Select ONE (1) of the following courses:

Subject & Number	Title	Units
Business 115	Human Relations in Business	3
Business 137 A-B-C-D	Marketing Internship	3
Business 140	Entrepreneurship: Developing a Business Plan	3
Business 250	Introduction to International Business	3
Business 258	The Cultural Dimension of International Business	3
	Total	3
	Total Required Plus General Education Requirements	28.5-30

Certificate of Achievement

Any student who chooses to complete only the requirements listed above qualifies for a Certificate of Achievement in that area. An official request must be filed with the Admissions and Records Office prior to the deadline as stated in the Academic Calendar.

Note: All courses must be completed with a letter grade of "C" or higher.

Mathematics

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.

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 it specific requirements.

Career Opportunities

Accountant*
Actuary*
Budget Analyst*
Data Processing Manager
Department Head, College*
Economist*
Engineer*
Financial Planner*
Insurance Agent/Broker+
Loan Officer
Management Trainee
Market Research Analyst*
Mathematical Biologist, Bioinformatics*
Operations Research Analyst*
Mathematician*
Securities Trader*
Statistician*
Surveyor
Teacher*

*Bachelor's Degree or higher required.
+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. 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

Note: All courses in the major must be completed with a letter grade of "C" or higher.

Subject & Number	Title	Units
Mathematics 180	Analytic Geometry and Calculus I	5
Mathematics 280	Analytic Geometry and Calculus II	4
Mathematics 281	Multivariable Calculus	4
Mathematics 284	Linear Algebra	3
	Total	16

Select ONE (1) of the following courses:

Subject & Number	Title	Units
Mathematics 160	Elementary Statistics	4
Mathematics 245	Discrete Math	3
Mathematics 285	Differential Equations	3
Physics 140	Mechanics of Solids	4
Computer Science Info. Systems 293	Introduction to Java Programming	4
Computer Science Info. Systems 296	Introduction to C++ Programming	4
	Total	3-4
	Total Required Plus General Education and Elective Requirements	19-20

Media Communications

The Department of Media Communications curriculum serves two purposes:

1. The Media Communications 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, Video Production, and Cross-Media Journalism.

The Department of Media Communications at Grossmont College enjoys a statewide and national reputation for excellence. The faculty, both full-time and adjunct, have been carefully chosen for their many years of experience both 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 burgeoning fields of digital communications and multi-media, to name but a few.

Students may elect a program from these three areas: Audio Production, Video Production, or Cross-Media Journalism. The programs are designed to meet lower division transfer requirements or job entry requirements, depending on the goals of the student.

Career Opportunities

Anchorperson/Newscaster
Audiovisual Specialist
Camera Operator
Cinematographer*
Engineering Technician
Instructional Media Specialist
Lighting Director
News Director*
Print Journalist*
Production Assistant*
Technical Director*
Videographer
World Wide Web Journalist

*Bachelor's Degree or higher required.

The Program-level Student Learning Outcome (PSLOs) below is an outcome that students will achieve after completing specific degree/certificate requirements in this program. Students will analyze the functions and roles of mass media in US society.

Associate Degree Major Requirements Core Curriculum

Note: All courses in the major must be completed with a letter grade of "C" or higher.

Subject & Number	Title	Units
Media Communications 105	Introduction to Radio and Television	3
Media Communications 110	Mass Media and Society	3
Media Communications 112	Media News Writing	3
Media Communications 116	Introduction to Audio Production	3
Media Communications 117	Television Studio Operations	4
	Total	16

Note: Students must choose at least one area of emphasis.

Area of Emphasis Audio Production

Note: All courses must be completed with a letter grade of "C" or higher.

Subject & Number	Title	Units
Media Communications 113	Media Announcing	3
	Total	3

Select THREE (3) units from the following courses:

Media Communications 151	Electronic Media Internship	1
Media Communications 153	Electronic Media Internship	2
Media Communications 155	Electronic Media Internship	(3)
	Total	3

Select ONE of the following sequences:

Subject & Number	Title	Units
Media Communications 119A	Fundamentals of Radio Broadcasting	3
Media Communications 119B	Fundamentals of Radio Broadcasting	3
Media Communications 119C	Fundamentals of Radio Broadcasting	3
Media Communications 119D	Fundamentals of Radio Broadcasting	3
or		
Media Communications 216A	Audio Multitrack Production	(3)
Media Communications 216B	Audio Multitrack Production	(3)
Media Communications 216C	Audio Multitrack Production	(3)
Media Communications 216D	Audio Multitrack Production	(3)
	Total	12
	Total Required Plus General Education and Elective Requirements	34

Recommended Electives:

Subject & Number	Title	Units
Media Communications 111	Motion Picture Film Analysis	4
Media Communications 118	Media Script Writing	3

Area of Emphasis Cross-Media Journalism

Note: All courses must be completed with a letter grade of "C" or higher.

Subject & Number	Title	Units
Media Communications 113	Media Announcing	3
Media Communications 118	Media Script Writing	3
Media Communications 119A	Fundamentals of Radio Broadcasting	3
	Total	9

Select ONE (1) of the following courses:

Subject & Number	Title	Units
Media Communications 132A	Campus Newspaper Production	3
Media Communications 132B	Campus Newspaper Production	(3)
Media Communications 132C	Campus Newspaper Production	(3)
Media Communications 132D	Campus Newspaper Production	(3)
	Total	3

Select THREE (3) units from the following courses:

Subject & Number	Title	Units
Media Communications 151	Electronic Media Internship	1
Media Communications 153	Electronic Media Internship	2
Media Communications 155	Electronic Media Internship	(3)
	Total	3
	Total Required Plus General Education and Elective Requirements	31

Recommended Electives:

Subject & Number	Title	Units
Media Communications 111	Motion Picture Film Analysis	4
Media Communications 115	Basic Professional Editing Principles	3

Area of Emphasis Video Production

Note: All courses must be completed with a letter grade of "C" or higher.

Subject & Number	Title	Units
Media Communications 111	Motion Picture Film Analysis	4
Media Communications 115	Basic Professional Editing Principles	3
Media Communications 118	Media Script Writing	3
Media Communications 120	Basic Video Cinematography	3
	Total	13

Select ONE (1) of the following courses:

Subject & Number	Title	Units
Media Communications 220A	Digital Electronic Field Production I	3
Media Communications 220B	Digital Electronic Field Production II	(3)
Media Communications 230A	Digital Film Production I	(3)
Media Communications 230B	Digital Film Production II	(3)
	Total	3

Select THREE (3) units from the following courses:

Subject & Number	Title	Units
Media Communications 151	Electronic Media Internship	1
Media Communications 153	Electronic Media Internship	2
Media Communications 155	Electronic Media Internship	(3)
	Total	3
	Total Required Plus General Education and Elective Requirements	35

Recommended Electives:

Subject & Number	Title	Units
Theatre 110	Intro to the Theatre	3
Theatre 120	History of the Theatre	3
Theatre 121	History of the Theatre	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.

Note: All courses must be completed with a letter grade of "C" or higher.

MULTIMEDIA

This interdisciplinary program meets the needs of students desiring to enter the multimedia field. Students completing the requirements in the major will be prepared to assume multimedia jobs in the following areas: visual effects and entertainment, business, education, and software and web development. All students, whether their goal is a degree or a certificate, will take an interdisciplinary, introductory multimedia course, followed by a series of courses in an area of emphasis. The program of study will conclude with an interdisciplinary multimedia course that is team-based and project oriented. Students will be required to complete an internship along with the final multimedia course. Students will become multimedia specialists in one or more areas of emphasis: software development, video, visual design, and web development.
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. Function as part of a multimedia development team.
2. Produce/author DVDs utilizing audio, video, graphic and typographic content.
3. Understand the specific language needed to communicate with all professional aspects represented in the Multimedia field.

Associate Degree Major Requirements Core Curriculum

Note: All courses in the major must be completed with a "C" grade or higher.

Subject & Number	Title	Units
Multimedia 190	Digital Multimedia I	4
Multimedia 192	Digital Multimedia II	4
Multimedia 196	Multimedia Internship	2
or		
Multimedia 197	Multimedia Internship	(3)
	Total	10-11

Area of Emphasis Software Development

Note: All courses must be completed with a letter grade of "C" or higher.

Subject & Number	Title	Units
Computer Science Info. Systems 114	Small Computer Systems	3
Computer Science Info. Systems 119	Introduction to Computer Programming	3
Computer Science Info. Systems 293	Introduction to Java Programming	4
Computer Science Info. Systems 296	Introduction to C++ Programming	4
Computer Science Info. Systems 297	Intermediate C++ Programming	4
	Total	18
	Total Required Plus General Education and Elective Requirements	28-29

Area of Emphasis Video

Note: All courses must be completed with a letter grade of "C" or higher.

Subject & Number	Title	Units
Media Communications 117	Television Studio Operations	4
Media Communications 118	Media Script Writing	3
Media Communications 120	Basic Video Cinematography	3
Media Communications 217	Television and Video Producing and Directing	3
	Total	13
	Total Required Plus General Education and Elective Requirements	23-24

Area of Emphasis Visual Design

Note: All courses must be completed with a letter grade of "C" or higher.

Subject & Number	Title	Units
Art 100	Art Appreciation	3
Art 124	Drawing I	3
Art 171	Introduction to Digital Art	3
Art 175	Digital Imaging and Art	3
Photography 150	Introduction to Photography	3
	Total	15

Select One (1) of the following courses:

Subject & Number	Title	Units
Art 172	Interactive Media Art	3
Art 177	Digital Drawing and Painting	3
Art 184	Drawing for Animation	3
	Total	3
	Total	18
	Total Required Plus General Education and Elective Requirements	28-29

Web Authoring

Note: All courses must be completed with a letter grade of "C" or higher.

Subject & Number	Title	Units
Computer Science Info. Systems 132	Web Development Fundamentals	3
Computer Science Info. Systems 133	Introduction to Dreamweaver	3
Computer Science Info. Systems 135	Javascript Programming	3
Computer Science Info. Systems 136	Dynamic Web Applications	3
Computer Science Info. Systems 151	Introduction to Photoshop	3
	Total	15
	Total Required Plus General Education and Elective Requirements	25-26

Certificate of Achievement

Any student who chooses to complete only the Multimedia core curriculum plus one of the areas of emphasis qualifies for a Certificate of Achievement in the area. An official request must be filed with the Admissions and Records Office prior to the deadline as stated in the Academic Calendar.

Note: All courses must be completed with a letter grade of "C" or higher.

Music

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

Arranger*
Conductor*
Critic*
Instrumentalist
Music Director*
Music Instructor*
Music Therapist*
Performer, Vocalist
Piano Tuner
Recording Engineer*
Teacher/Professor*

*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

Note: All courses in the major must be completed with a letter grade of "C" or higher.

Subject & Number	Title	Units
Music 105	Music Theory and Practice I	4
Music 106	Music Theory and Practice II	4
Music 132	Class Piano I	3
Music 133	Class Piano II	3
	Total	14

Area of Emphasis Classical Studies

Note: All courses must be completed with a letter grade of "C" or higher.

Subject & Number	Title	Units
Music 190	Performance Studies	1
Music 191	Performance Studies	1
Music 205	Music Theory and Practice III	4
Music 206	Music Theory and Practice IV	4
Music 232	Class Piano III	3
Music 233	Class Piano IV	3
Music 290	Performance Studies	1
Music 291	Performance Studies	1
	Total	18

Select FOUR (4) units from any other music courses:

Total	4
Total Required	36
Plus General Education and Elective Requirements	

Musical Theatre

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. Secondarily the curriculum prepares students for entry-level employment in professional and community theatre as they pursue their degree objectives.

Career Opportunities

Actor/Actress*
Dancer+
Director of Audience Development*
Musician+
Performers*
Production Assistant*
Song Writers+
Sound Technician*
Theatrical Agent*

*Bachelor's Degree or higher required.
+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

Note: All courses in the major must be completed with a letter grade of "C" or higher.

Subject & Number	Title	Units
Dance 080A or B or C or D	Modern I or II or III or IV	1.5
Dance 081A	Tap I	1.5
Dance 084A or B or C or D	Jazz I or II or III or IV	1.5
Dance 088A or B or C or D	Ballet I or II or III or IV	1.5
Dance 095	Musical Theatre Dance	1.5
Dance 205 or 206	Modern Dance Improvisation and Choreography I or II	2
Music 105 or 106	Music Theory and Practice I or II	4
Music 132 or 133	Class Piano I or II	3
Music 170	Class Voice	2
Music 171	Class Voice	2
Theatre 110	Introduction to the Theatre	3
Theatre 122A or B or C or D	Theatre Workshop Laboratory: Acting I or II or III or IV	1
Theatre 123A or B or C or D	Theatre Workshop Laboratory: Construction I or II or III or IV	1
Theatre 124A or B or C or D	Theatre Workshop Laboratory: Production Crew I or II or III or IV	1
Theatre 130	Beginning Acting	3
Theatre 131	Intermediate Acting	3
Theatre 234 A or B	Fundamentals of Musical Theatre-Performance I or II	3
Theatre 235 A or B	Fundamentals of Musical Theatre-Scene and Song I or II	3
	Total	38.5

Select TWO (2) of the following courses:

Subject & Number	Title	Units
Theatre 102A or B or C or D	Theatre Production Practicum: Costumes I or II or III or IV	2
Theatre 103A or B or C or D	Theatre Production Practicum: Sets I or II or III or IV	2
Theatre 104A or B or C or D	Theatre Production Practicum: Lighting/Sound I or II or III or IV	2
Theatre 111A or B or C or D	Rehearsal and Performance: Acting I or II or III or IV	2
Theatre 112A or B or C or D	Rehearsal and Performance: Stage Management I or II or III or IV	2
Theatre 113A or B or C or D	Rehearsal and Performance: Production Crew I or II or III or IV	2
	Total	4
	Total Required	42.5
	Plus General Education 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.

Note: All courses must be completed with a letter grade of "C" or higher.

Nursing

See page 9 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 programs at Grossmont College prepare 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 plus the prerequisite courses required to apply. Nursing science didactic is coordinated with laboratory experience in local hospitals and health agencies under the guidance of nursing faculty members. In addition to the nursing courses, the major requires selected general education courses from the natural, behavioral and social sciences.

Admission Information:

Students are admitted to the Nursing Program based on a multi-criteria selection process. The multi-criteria selection includes the following criteria: GPA in the required sciences and general education Nursing major requirements, previous degrees or certifications, life experiences, proficiency in a second language, and the Individual Composite Score for the Test of Essential Academic Skills exam. A 2.5 GPA is the minimum requirement for the science and general education courses. Only one repetition of a science course within 5 years of applying to the program will be accepted. Anatomy must be taken within 10 years of the application date, Physiology and Microbiology within 7 years.

California Licensed Vocational Nurses are eligible to apply for a 3-semester LVN-RN Transition Program beginning every spring. Upon admission to the Nursing Program, LVN-RN transition students will receive 8 units of credit for Nursing Fundamentals. After completion of Nursing 130, transition students will receive an additional 5 units of credit for Pediatrics and Obstetrical nursing or upon completion of Nursing 220 and 222.

Upon completion of the degree requirements, the graduate is eligible to apply to take the National Council Licensure Examination for Registered Nurses (NCLEX-RN). Graduates of the ADN program are also eligible to transfer into a BSN or MSN Program upon completion of the program.

Students accepted to the nursing program are required to undergo a background check and urine drug screening test before starting the program and being placed at any clinical site. The cost of these procedures may range between $65–$120. The student is responsible for paying these fees. Failure to pass either or both of these procedures may interfere with clinical placement and/or acceptance to the program. Any prior conviction of a misdemeanor or felony may also influence eligibility for licensure as a Registered Nurse. Applicants with Prior convictions are required to contact the Director of Nursing for confidential advisement and planning prior to applying to the program.

Application Period

In addition to a college application, an application for the nursing major is also required. Program applications will only be accepted during the application period. Prior to applying, please visit the Nursing Program website at www.grossmont.edu/nursing for the latest application dates. Applicants must submit a completed application with all required documentation and official transcripts as a packet; transcripts should not be sent separately. A check list is available for reference in aiding the applicant in submitting the required documents at http://www.grossmont.edu/nursing/admission.asp Incomplete application packets will not be considered for admission. Applicants not selected have the opportunity to reapply during the next application period. No waitlist will be maintained for the program.

All ADN and LVN-RN students must pass the Test of Essential Academic Skills exam (TEAS 5.0). This is a diagnostic test that covers basic math, reading, English and science. All applicants must pass the TEAS version 5.0 in order to apply to the program; no other version will be accepted. Students who fail to achieve a passing score must complete additional pre-nursing course work as directed by the Nursing Department. Students may prepare for this exam by going to the ATI testing website (http://www.atitesting.com). TEAS 5.0 study guides and online practice exams are available for purchase through the website. http://www.atitesting.com/Solutions/PreNursingSchool.aspx Under the multi-selection criteria, points given for the TEAS exam are only awarded for the first exam taken. Students that have failed their first attempt at the TEAS 5.0 may re-take the exam approximately 5 years from the date of the first failed TEAS to be given a second opportunity at receiving points. Remediation is required; please refer to the program website for the remediation policy.

For all information on admission criteria, see the Nursing website at www.grossmont.edu/nursing.

Career Opportunities

Administrator*
Clinic Nurse (Ambulatory Care)
Critical Care Nurse*
Emergency Room/Lifeflight Nurse*
Home Health Nurse*
Hospital Staff Nurse
Industrial Nurse
Medical Researcher*
Nurse Anesthetist*
Nurse Midwife*
Nurse Practitioner*
Office Nurse
Public Health Nurse*
Teacher/Educator*

*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 holistic patient care utilizing critical thinking within the framework of the nursing process and evidence based principles to provide safe patient care.
2. Communicate effectively when providing care for multicultural patients within a multidisciplinary healthcare system.
3. Safely implement the professional nursing role as defined by the California Nurse Practice Act and the American Nurses Association's principles of ethical practice.
4. Engage in life-long learning as part of the professional commitment to the Registered Nursing 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 "Pass" in courses listed under Area A, Section 1 - Written Communication.
2. Competency in Mathematics shown by either
   a. Earning a grade of "C" or better, or "Pass," in Math 103 or a higher numbered mathematics course or
   b. Assessing into Math 120 or higher through the mathematics placement process. (students meeting competency through assessment must still take an Area A3 course.)

Note: All courses in the major must be completed with a letter grade of "C" or higher.

Courses in bold print are required in the Nursing major.

Italicized courses are recommended for BSN/MSN transfer.

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.

English **120, 124**

2. Oral Communication

Communication **120, *122***

3. Analytical Thinking

Competency in Mathematics shown by either

a. Earning a grade of "C" or better, or "Pass," in Math 103 or a higher numbered mathematics course or

b. Assessing into Math 120 or higher through the mathematics placement process. (students meeting competency through assessment must still take an Area A3 course.)

Anthropology 215
Biology 215
Geography 104
Mathematics 103, 110, 120, 125, 126, 150, 160, 170, 175, 176, 178, 180, 245, 280, 281, 284, 285
Psychology 215
Sociology 215

Area B - Natural Sciences

Two natural science courses (a minimum of seven units) are required. **Courses in bold print are required in the Nursing major. All required science courses for the Nursing Major must include a lab. Courses with an asterisk are laboratory only. Courses not containing a laboratory component are underlined**.

Anthropology 130, 131*
Astronomy 110, 112*, 120
Biology 140, 141, and 142*or 144 and 145, 152, 105, 110, 112, 114, 118, 120, 142*, 180, 230, 240
Chemistry *102*, 110, 113, 115, 116, 120, 141, 142, 231, 232
Geography 120, 121*, 140
Geology 104, 110, 111*, 121, 210, 220, 230
Oceanography 112, 113*
Physical Science 100, 110, 111*
Physics 110, 130, 131, 140, 240, 241
Science 110

Area C - Humanities

One humanities course (a minimum of three units) is required.

American Sign Language 120, 121, 140, 220, 221, 250
Arabic 120, 121, 122, 123, 148, 220, 221, 250, 251
Art 100, 120, 124, 126, 129, 140, 141, 142, 143, 145, 146, 147, 171, 189
Chinese 120, 121, 220, 221, 250, 251
Communication 135, 137, 144, 145
Cross-Cultural Studies 122, 123, 126, 134, 144, 147, 149, 152, 236, 237, 238
Dance 110
English 112, 118, 122, 126, 134-135-136-137, 201, 203, 215, 217, 218, 219, 221, 222, 231, 232, 234, 235, 236, 237, 238, 241, 242, 275, 276, 277
French 120, 121, 152, 220, 221, 250, 251
German 120, 121, 220, 221, 250, 251
History 100, 101, 103, 105, 106, 112, 113, 126, 135, 136, 137, 147, 148, 156, 157
Humanities 110, 120, 125, 130, 135, 160, 170
Italian 120, 121, 220, 221, 250, 251
Japanese 120, 121, 149, 220, 221, 250, 251
Media Communications 111, 189
Music 110, 111, 115, 116, 117, 189
Philosophy 110, 111, 112, 114, 116, 118, 140, 141, 145, 150
Photography 150, 154
Religious Studies 120, 130, 140, 150
Russian 120, 121, 220, 221, 250, 251
Spanish 120, [120A*, 120B*], 121, 122, 123, 141, 145, 220, 221, 250, 251
Theatre Arts 101, 110, 143, 144, 189

*Spanish 120A and 120B are equivalent to one semester of Spanish 120

Area D - Social Sciences

One social science course (a minimum of three units) is required.

Administration of Justice 110
Anthropology 120, 140
Child Development 115, 125, 131, 134, 145, 153
Communication 124, 128
Cross-Cultural Studies 114, 115, 118, 119, 124, 125, 128, 130, 131, 132, 133, 135, 145, 150, 151, 153, 154, 155, 180, 181
Economics 110, 120, 121
Family Studies 115, 120
Geography 106, 130, 170
Health Education 120, 155, 158, 201
Health Science 110
History 108, 109, 114, 115, 118, 119, 122, 123, 124, 127, 130, 131, 150, 151, 154, 155, 180, 181
Media Communications 110
Political Science 120, 121, 124, 130, 140, 150, 160
Psychology **120**, 125, 130, 132, 134, 138, 170
Sociology **114 or 120**, 125, 130, 138, 140

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:

Dance 068, 071A, 071B, 072A, 072B, 074A, 074B, 078A, 078B, 080A, 080B, 080C, 080D, 081A, 081B, 081C, 081D, 082A, 082B, 084A, 084B, 084C, 084D, 088A, 088B, 088C, 088D, 094A, 094B, 094C, 094D, 099A, 099B, 099C, 116

Exercise Science 001, 002, 003, 004A, 004B, 004C, 005A, 005B, 005C, 006A, 006B, 006C, 007A, 007B, 007C, 008, 009A, 009B, 009C, 017A, 017B, 017C, 021A, 021B, 021C, 023A, 023B, 023C, 024A, 024B, 024C, 027, 028A, 028B, 028C, 029, 030, 035, 037A, 037B, 037C, 039, 040A, 040B, 040C, 041, 043A, 043B, 043C, 044A, 044B, 044C, 060A, 060B, 060C, 076A, 076B, 076C, 120A, 120B, 120C, 121, 125A, 125B, 125C, 130A, 130B, 130C, 135, 136, 150, 155A, 155B, 155C, 156, 170A, 170B, 170C, 171A, 171B, 171C, 172A, 172B, 172C, 175A, 175B, 175C, 180, 185A, 185B, 185C, 200, 201, 202

Major Requirements for All Nursing Majors Registered Nursing Program

Associate Degree Major Requirements

Note: All courses in the major must be completed with a letter grade of "C" or higher.

Choose ONE (1) sequence from the following courses.

Subject & Number	Title	Units
Biology 140	Human Anatomy	5
and		
Biology 141	Human Physiology	3
and		
Biology 142	Human Physiology Laboratory	2
or		
Biology 141L	Laboratory in Human Physiology	(1)
or		
Biology 144	Anatomy and Physiology I	(4)
and		
Biology 145	Anatomy and Physiology II	(4)
Biology 152	Paramedical Microbiology	5
Communication 120	Interpersonal Communication	3
or		
Communication 122	Public Speaking	(3)
English 120	College Composition and Reading	3
or		
English 124	Advanced Composition: Critical Reasoning and Writing	(3)
Nursing 118	Nursing Pharmacology I	1
Nursing 119	Nursing Pharmacology II	1
Nursing 120	Introduction to Nursing: Theory and Practice	8
Nursing 130	Perioperative Nursing	5
Nursing 132	Maternal/Newborn and Child Health Nursing	5
Nursing 220	Nursing Management in Nutritional-Metabolic Disorders	5
Nursing 222	Neurologic and Psychiatric Nursing	5
Nursing 230	Nursing Management in Cardio-Pulmonary and Circulatory Disorders	6
Nursing 235	Preceptored Patient Care Management	3
Psychology 120	Introductory Psychology	3
Sociology 114	Introduction to Sociology of Minority Group Relations	3
or		
Sociology 120	Introductory Sociology	(3)
	Total	66
	Plus Remaining General Education Requirements for Nursing Majors	8
	Total Required	72

Occupational Therapy Assistant

See page 10 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.

Grossmont College prepares the student for an Associate Degree in Science as an Occupational Therapy Assistant. In addition to the occupational therapy courses, the major requires selected general education courses from the biological, social and behavioral sciences. The Program is fully accredited through the Accreditation Council for Occupational Therapy Education (ACOTE) of the American Occupational Therapy Association (AOTA), located at 4720 Montgomery Lane, Bethesda, MD, 20824-1220. AOTA's phone number is (301) 652-AOTA. Graduates will be able to sit for their national certification exam for Occupational Therapy Assistants, administered by the National Board for Certification of Occupational Therapy. After successful completion of this exam, the individual will be a Certified Occupational Therapy Assistant (COTA)®. Most states require licensure to practice; however, state licenses are usually based on the results of the NBCOT Certification Examination.

Any prior convictions of a misdemeanor or felony may influence eligibility for state registration and eligibility to sit for National Boards as an Occupational Therapy Assistant. Applicants with prior convictions are urged to call Occupational Therapy Board of California at 1-916-263-2294 and NBCOT at 1-301-990-7979.

Students accepted to the Occupational Therapy Assistant Program are required to undergo a background check and/or urine drug screening test before starting the program or being placed at a clinical site. The cost of these procedures may be $70–$120. The student will be responsible for paying these fees. Failure to pass either or both of these procedures may interfere with clinical placement and/or acceptance of the student into the program.

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

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 either
   a. Earning a grade of "C" or better, or "Pass," in Math 103 or a higher numbered mathematics course or
   b. Assessing into Math 120 or higher through the mathematics placement process. (students meeting competency through assessment must still take an Area A3 course.)

Courses in bold print are required in the Occupational Therapy Assistant major. All coursework 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 and OTA 241.

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.

English 120, 124

2. Oral Communication

Communication 120, 122

3. Analytical Thinking

Competency in Mathematics shown by either

a. Earning a grade of "C" or better or "Pass" in Math 103 or a higher numbered mathematics course or

b. Assessing into Math 120 or higher through the mathematics placement process. (Students meeting competency through assessment must still take an Area A3 course.)

Anthropology 215
Biology 215
Geography 104
Mathematics 103, 110, 120, 125, 126, 150, 160, 170, 175, 176, 178, 180, 245, 280, 281, 284, 285
Philosophy 125, 130
Psychology 215
Sociology 215

Area B - Natural Sciences

Two natural science courses (a minimum of seven units) are required. One course must contain a laboratory.
Courses with an asterisk are laboratory only.
Courses not containing a laboratory component are underlined.

Anthropology 130, 131*
Astronomy 110, 112*, 120
Biology 140 and 141 or 144 and 145, 152, 105, 110, 112, 114, 118, 120, 142*, 180, 230, 240
Chemistry 102, 110, 113, 115, 116, 120, 141, 142, 231, 232
Geography 120, 121*, 140
Geology 104, 110, 111*, 121, 210, 220, 230
Oceanography 112, 113*
Physical Science 100, 110, 111*
Physics 110, 130, 131, 140, 240, 241
Science 110

Area C - Humanities

One humanities course (a minimum of three units) is required.

American Sign Language 120, 121, 140, 220, 221, 250
Arabic 120, 121, 122, 123, 148, 220, 221, 250, 251
Art 100, 120, 124, 126, 129, 140, 141, 142, 143, 145, 146, 147, 171, 189
Chinese 120, 121, 220, 221, 250, 251
Communication 135, 137, 144, 145
Cross-Cultural Studies 122, 123, 126, 134, 144, 147, 149, 152, 236, 237, 238
Dance 110
English 112, 118, 122, 126, 134-135-136-137, 201, 203, 215, 217, 218, 219, 221, 222, 231, 232, 234, 235, 236, 237, 238, 241, 242, 275, 276, 277
French 120, 121, 152, 220, 221, 250, 251
German 120, 121, 220, 221, 250, 251
History 100, 101, 103, 105, 106, 112, 113, 126, 135, 136, 137, 147, 148, 156, 157
Humanities 110, 120, 125, 130, 135, 160, 170
Italian 120, 121, 220, 221, 250, 251
Japanese 120, 121, 149, 220, 221, 250, 251
Media Communications 111, 189
Music 110, 111, 115, 116, 117, 189
Philosophy 110, 111, 112, 114, 116, 118, 140, 141, 145, 150
Photography 150, 154
Religious Studies 120, 130, 140, 150
Russian 120, 121, 220, 221, 250, 251
Spanish 120, [120A*, 120B*], 121, 122, 123, 141, 145, 220, 221, 250, 251
Theatre Arts 101, 110, 143, 144, 189

*Spanish 120A and 120B are equivalent to one semester of Spanish 120

Area D - Social Sciences

One social science course (a minimum of three units) is required.

Administration of Justice 110
Anthropology 120, 140
Child Development 115, 125, 131, 134, 145, 153
Communication 124, 128
Cross-Cultural Studies 114, 115, 118, 119, 124, 125, 128, 130, 131, 132, 133, 135, 145, 150, 151, 153, 154, 155, 180, 181
Economics 110, 120, 121
Family Studies 115, **120**
Geography 106, 130, 170
Health Education 120, 155, 158, 201
Health Science 110
History 108, 109, 114, 115, 118, 119, 122, 123, 124, 127, 130, 131, 150, 151, 154, 155, 180, 181
Media Communications 110
Political Science 120, 121, 124, 130, 140, 150, 160
Psychology 120, 125, 130, 132, 134, 138, 170
Sociology 114 or 120, 125, 130, 138, 140

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:

Dance 068, 071A, 071B, 072A, 072B, 074A, 074B, 078A, 078B, 080A, 080B, 080C, 080D, 081A, 081B, 081C, 081D, 082A, 082B, 084A, 084B, 084C, 084D, 088A, 088B, 088C, 088D, 094A, 094B, 094C, 094D, 099A, 099B, 099C, 116

Exercise Science 001, 002, 003, 004A, 004B, 004C, 005A, 005B, 005C, 006A, 006B, 006C, 007A, 007B, 007C, 008, 009A, 009B, 009C, 017A, 017B, 017C, 021A, 021B, 021C, 023A, 023B, 023C, 024A, 024B, 024C, 027, 028A, 028B, 028C, 029, 030, 035, 037A, 037B, 037C, 039, 040A, 040B, 040C, 041, 043A, 043B, 043C, 044A, 044B, 044C, 060A, 060B, 060C, 076A, 076B, 076C, 120A, 120B, 120C, 121, 125A, 125B, 125C, 130A, 130B, 130C, 135, 136, 150, 155A, 155B, 155C, 156, 170A, 170B, 170C, 171A, 171B, 171C, 172A, 172B, 172C, 175A, 175B, 175C, 180, 185A, 185B, 185C, 200, 201, 202

Associate Degree Major Requirements

Note: All courses in the major must be completed with a letter grade of "C" or higher.

Subject & Number	Title	Units
Biology 140	Human Anatomy	5
and		
Biology 141	Human Physiology	3
or		
Biology 144	Human Anatomy and Physiology I	(4)
and		
Biology 145	Human Anatomy and Physiology II	(4)
Family Studies 120	Human Development	3
Occupational Therapy Assistant 100	Fundamentals of Occupational Therapy	2
Occupational Therapy Assistant 101	Fundamentals of Activity/ Therapeutic Media	3
Occupational Therapy Assistant 102	Rehabilitation Terminology, Diseases and Diagnoses	2
Occupational Therapy Assistant 110	Occupational Skills— Psychosocial	4
Occupational Therapy Assistant 111	Clinical Practicum I	1
Occupational Therapy Assistant 120	Documentation in Occupational Therapy	3
Occupational Therapy Assistant 130	Dynamics of Human Movement	4
Occupational Therapy Assistant 140	Occupational Skills Development in Pediatric Roles	2
Occupational Therapy Assistant 141	Clinical Practicum II	1
Occupational Therapy Assistant 200	Occupational Skills Physical Rehabilitation	2
Occupational Therapy Assistant 210	Assistive Technology in Occupational Therapy	3
Occupational Therapy Assistant 220	Advanced Occupational Therapy Skills for Physical Dysfunction	3
Occupational Therapy Assistant 221	Clinical Practicum III	1
Occupational Therapy Assistant 230	Occupational Therapy Management	2
Occupational Therapy Assistant 240	Clinical Practicum IV	6
Occupational Therapy Assistant 241	Clinical Practicum V	6
	Total	56
	Plus General Education Requirements	14
	Total Required	70

Oceanography

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

Aquarist
Boat Captain
Chemical Oceanographer*
Climatologist*
Environmental Advocate
Marine Archaeologist*
Marine Biologist*
Marine Economist*
Marine Geologist/Geophysicist*
Marine Lawyer*
Marine Policy Specialist*
Ocean Engineer*
Ocean Fisheries Specialist*
Ocean Resource Management*
Ocean Technician
Physical Oceanographer*
Teacher*

* Bachelor's degree or higher required.

The Program-level Student Learning Outcome (PSLOs) below is an outcome that students will achieve after completing specific degree/certificate requirements in this program. Students will find, use and evaluate resources for oceanographic information.

Associate Degree Major Requirements

Note: All courses in the major must be completed with a letter grade of "C" or higher.

Subject & Number	Title	Units
Chemistry 141	General Chemistry I	5
Chemistry 142	General Chemistry II	5
Geology 110	Planet Earth	3
Mathematics 180	Analytic Geometry and Calculus I	5
Oceanography 112	Introduction to Oceanography	3
Oceanography 113	Oceanography Laboratory	1
	Total	22

Select TWO (2) of the following courses:

Subject & Number	Title	Units
Biology 105	Life in the Sea	4
Biology 120	Principles of Biology	4
Mathematics 280	Analytic Geometry and Calculus II	4
Physics 140	Mechanics of Solids	4
Physics 240	Electricity, Magnetism and Heat	4
	Total	8

Select SIX (6) units from the following courses:

Subject & Number	Title	Units
Biology 110	Environmental Biology	4
Biology 132	Mammals of the Sea	2
Chemistry 110	Environmental Chemistry	3
Geography 104	Introduction to Geographic Information Science (GIS)	3
Geography 120	Elements of Physical Geography	3
Geography 140	Introduction to Meteorology	3
Geology 121	Earth History	4
Geology 162	Geologic Field Studies: Southern California Mountain Areas	1
Geology 163	Geologic Field Studies: Mojave Desert and Adjacent Areas	1
Geology 164	Geologic Field Studies: Southern California Coastal Areas	1
Geology 165	Geologic Field Studies: Colorado Desert/ Salton Trough Area	1
Geology 172	Field Exploration: Colorado Plateau	3
Geology 173	Field Exploration: Cascade Range/ Modoc Plateau	3
Geology 174	Field Exploration: Basin and Range Province	3
Geology 175	Field Exploration: California Coastal Mountains	3
Geology 176	Field Exploration: Sierra Nevada	3
Geology 210	Geology of California	4
Geology 220	Geology of National Parks	4
Geology 230	Natural Disasters	3
Oceanography 150	Field Study of the Natural History of the Greater San Diego Region	3
	Total	6
	Total Required	36
	Plus General Education and Elective Requirements	

Orthopedic Technology

See page 11 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) and is the first Orthopedic Technology program to be officially recognized by the National Association of Orthopedic Technologists (NAOT).

Career Opportunities

Orthopedic Assistant
Orthopedic Cast Specialist
Orthopedic Technologist/Assistant
Orthopedic Surgeon*
Orthopedic Surgical Technician
Orthotic Assistant
Orthotics-Prosthetics Assistant
Orthotist*
Podiatrist*
Prosthetics Assistant
Prosthetist*

*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 the ability to communicate through written, oral and nonverbal methods with client, family, community representatives, medical personnel, and the public.
2. Uphold appropriate professional behaviors, values and attitudes that are in alignment with the Code of Ethics.
3. Practice in a variety of settings utilizing safe techniques and consider a range of diversity issues that impact the occupational needs of the client.
4. Achieve entry level competence and understand the importance of lifelong learning to maintain competence.
5. Promote and support the profession of occupational therapy, emerging practice areas and community service.

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.

Note: All courses in the major must be completed with a letter grade of "C" or higher.

Prerequisite: Admission to the program, physical and dental examinations, record of current immunizations, current CPR card.

Subject & Number	Title	Units
Orthopedic Technology 110	Orthopedic Anatomy and Physiology	5
Orthopedic Technology 111	Orthopedic Techniques I	4
Orthopedic Technology 210	Advanced Orthopedic Anatomy and Physiology	5
Orthopedic Technology 211	Orthopedic Techniques II	4
Orthopedic Technology 212	Supervised Hospital Clinical Practicum I	2
Orthopedic Technology 214	Supervised Hospital Clinical Practicum II	4
	Total Required	24
	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.

Note: All courses must be completed with a letter grade of "C" or higher.

PHILOSOPHY

The Philosophy major is designed to provide a solid background for students wishing to continue their studies in philosophy at four-year institutions. Students who plan to transfer to a four-year institution should check the catalog of the transfer school being considered.

Career Opportunities

Archivist*
Biographer*
College Administrator*
Consultant
Cultural Affairs Officer*
Director, Religious Activities*
Etymologist*
Insurance Agent/Broker
Lawyer*
Librarian*
Manuscript Reader
Peace Corp Worker
Pastoral Assistant
Philologist*
Teacher/Professor*
Writer

*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. Engage with a body of philosophic literature by demonstrating in college-level writing and/or other evaluative processes, including but not limited to, critiques, comparison and contrast of theories and formulation of argumentation.
2. Identify basic concepts, branches and terminology of the discipline by demonstrating in college-level writing and/or other evaluative processes, including but not limited to, critiques, comparison and contrast of theories and formulation of argumentation.

Associate Degree Major Requirements

Note: All courses in the major must be completed with a letter grade of "C" or higher.

Subject & Number	Title	Units
Philosophy 110	A General Intro. to Philosophy	3
English 120	College Composition and Reading	3
	Total	6

Select ONE (1) of the following courses:

Subject & Number	Title	Units
Philosophy 125	Critical Thinking	3
Philosophy 130*	Logic	3
	Total	3

*Recommended for students planning to major in philosophy at a university.

Select TWO (2) of the following courses:

Subject & Number	Title	Units
Philosophy 111	Philosophy and Popular Culture	3
Philosophy 112	The Classical Mind	3
Philosophy 114	The Medieval Mind	3
Philosophy 116	The Modern Mind	3
Philosophy 118	The Contemporary Mind	3
Philosophy 140	Problems in Ethics	3
Philosophy 141	Moral Problems in Health Care	3
Philosophy 145	Social and Political Philosophy	3
Philosophy 150	Human Beings and Aesthetic Value	3
Philosophy 155	The Philosophy of Science	3
	Total	6

Select ONE (1) of the following courses:

Subject & Number	Title	Units
Religious Studies 120	World Religions	3
Religious Studies 130	Scriptures of World Religions	3
Religious Studies 140	Religion and Culture	3
Religious Studies 150	Scriptures of India and China	3
	Total	3

Select ONE (1) of the following courses:

Subject & Number	Title	Units
Humanities 110	Principles of the Humanities	3
Humanities 120	European Humanities	3
Humanities 130	East Asian Humanities	3
Humanities 160	Humanities of the Future	3
Humanities 170	World Humanities	3
	Total	3
	Total Required Plus General Education and Elective Requirements	21

Physics

The Associate in Science 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

Aerodynamist*
Airplane Navigator*
Air Pollution Operating Specialist
Ballistics Expert
Engineer (Mechanical, Electrical)*
Hydrologist*
Instructor/Professor*
Industrial Hygienist
Pharmacist*
Physicist (Mechanical, Laser, Electrical, Optics, etc.)*
Premedical*

*Bachelor's Degree or higher required.

The Program-level Student Learning Outcome (PSLOs) below is an outcome 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

Note: All courses in the major must be completed with a letter grade of "C" or higher.

Subject & Number	Title	Units
Chemistry 141	General Chemistry I	5
Chemistry 142	General Chemistry II	5
Mathematics 180	Analytic Geometry and Calculus I	5
Mathematics 280	Analytic Geometry and Calculus II	4
Mathematics 281	Multivariable Calculus	4
Physics 140	Mechanics of Solids	4
Physics 240	Electricity, Magnetism and Heat	4
Physics 241	Light, Wave Motion and Modern Physics	4
	Total Required Plus General Education and Elective Requirements	35

Political Science

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

Book Critic
City Manager*
Congressional District Aide
Consular Officer*
Diplomatic Officer*
Election Supervisor
Fund Raising Director*
Intelligence Specialist*
Labor Relations Specialist*
Lawyer*
Paralegal Assistant
Research Assistant
Urban Planner*

*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

Note: All courses must be completed with a letter grade of "C" or higher.

Subject & Number	Title	Units
Political Science 120	Introduction to Politics and Political Analysis	3
Political Science 121	Introduction to U.S. Government and Politics	3
	Total	6

Select THREE (3) of the following courses after consultation with a member of the political science faculty and a counselor because of differences in transfer requirements at various four year institutions.

Subject & Number	Title	Units
Political Science 124	Introduction to Comparative Government and Politics	3
Political Science 130	Introduction to International Relations	3
Political Science 140	Introduction to California Governments and Politics	3
Political Science 150	Introduction to Political Theory	3
	Total	9

Select ONE (1) of the following courses:

Subject & Number	Title	Units
Economics 120	Principles of Macroeconomics	3
Geography 130	Human and Cultural Geography	3
	Total	3
	Total Required Plus General Education and Elective Requirements	18

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:

Subject & Number	Title	Units
Anthropology 120	Cultural Anthropology	3
History 108	Early American History	3
History 109	Modern American History	3
Mathematics 160 or Psychology 215	Elementary Statistics / Statistics for Life and Behavioral Sciences	4 / (3)
Political Science 135	Model United Nations	1
Sociology 120	Introductory Sociology	3

Associate in Arts in Psychology for Transfer (A.A.-T)

The Associate in Arts in Psychology for Transfer (A.A.-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) 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 Psychology for Transfer (A.A.-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 in all courses required for the major or area of emphasis. A "Pass" grade is not an acceptable grade for courses in 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 in Arts in Psychology for Transfer Required Core

Subject & Number	Title	Units
Psychology 120	Introductory Psychology	3
Psychology 205	Research Methods for Psychology	3
Psychology 215	Statistics for the Behavioral Sciences	3
	Total	9

List A
Select one (1) of the following:

Biology 120	Principles of Biology	4
Psychology 140	Physiological Psychology	3
	Total	3-4

List B

Select three (3) of the following:

Psychology 201	Academic and Career Opportunities in Psychology	1
Psychology 138	Social Psychology	3
Psychology 150	Developmental Psychology	3
Psychology 170	Abnormal Psychology	3
Psychology 220	Learning	3
or if not selected above:		
Biology 120	Principles of Biology	(4)
or		
Psychology 140	Physiological Psychology	(3)
	Total	7-8
	Total Required for the Major	19-20
	Total Units Required for CSU GE Breadth or IGETC	37-39
	Total Elective CSU Transferable Units Required	1-4
	Total Units Required for the Degree	60

Respiratory Therapy

See page 11 for special admission procedures and criteria.

Respiratory Therapy is an allied health specialty employed in the treatment, management, control and care of patients with deficiencies and abnormalities associated with the cardio-respiratory system. It is defined as the therapeutic use of medical gases, air and oxygen administering apparatus, environmental control systems, humidification and aerosols, drugs and medications, ventilatory assistance and ventilatory control, postural drainage, chest physiotherapy and breathing exercise, respiratory rehabilitation, assistance with cardio-pulmonary resuscitation, and maintenance of natural, artificial and mechanical airways.

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.

Grossmont College prepares the student for an Associate in Science Degree in Respiratory Therapy as well as eligibility to take the registry and licensing examinations administered by the National Board for Respiratory Care (NBRC).

In addition to the college application, a special application for this major is required. An individual evaluation will be made for students wishing to transfer into the Respiratory Therapy Program or to receive credit for previous college education.

Upon completion of the major course requirements from the Respiratory Therapy Program, the graduating student will be required to successfully pass the comprehensive NBRC "Self Assessment Examination" (SAE) during the fourth semester or a similar exam which will serve as the Program Examination.

Career Opportunities

Asthma Educator
Clinician
Critical Care Specialist
Department Supervisor+/Manager*
Educator (Academic)*
Equipment Sales Representative
Health Educator
Home Care Respiratory Specialist
Industrial Consultant
Medical Researcher*
Neonatal/Pediatric Respiratory Specialist
Pulmonary Function Specialist
Pulmonary Rehabilitation Specialist

*Bachelor's degree or higher
+Bachelor's degree 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 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 either
   a. Earning a grade of "C" or better, or "Pass," in Math 103 or a higher numbered mathematics course or
   b. Assessing into Math 120 or higher through the mathematics placement process. (students meeting competency through assessment must still take an Area A3 course.)

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.
English 120, 124

2. Oral Communication

Communication 120, 122

3. Analytical Thinking

Competency in Mathematics shown by either

a. Earning a grade of "C" or better or "Pass" in Math 103 or a higher numbered mathematics course or

b. Assessing into Math 120 or higher through the mathematics placement process. (Students meeting competency through assessment must still take an Area A3 course.)

Anthropology 215
Biology 215
Geography 104
Mathematics 103, 110, 120, 125, 126, 150, 160, 170, 175, 176, 178, 180, 245, 280, 281, 284, 285
Philosophy 125, 130
Psychology 215
Sociology 215

Area B - Natural Sciences

Two natural science courses (a minimum of seven units) are required. One course must contain a laboratory. **Courses with an asterisk are laboratory only. Courses not containing a laboratory component are underlined.**

Anthropology 130, 131
Astronomy 110, 112*, 120
Biology 105, 110, 112, 114, 118, 120, 140, 141, 142*, **144, 145, 152,** 180, 230, 240
Chemistry 102, 110, 113, **115**, 116, 120, 141, 142, 231, 232
Geography 120, 121*, 140
Geology 104, 110, 111*, 121, 210, 220, 230
Oceanography 112, 113*
Physical Science 100, 110, 111*
Physics 110, 130, 131, 140, 240, 241
Science 110

Area C - Humanities

One humanities course (a minimum of three units) is required.

American Sign Language 120, 121, 140, 220, 221, 250
Arabic 120, 121, 122, 123, 148, 220, 221, 250, 251
Art 100, 120, 124, 126, 129, 140, 141, 142, 143, 145, 146, 147, 171, 189
Chinese 120, 121, 220, 221, 250, 251
Communication 135, 137, 144, 145
Cross-Cultural Studies 122, 123, 126, 134, 144, 147, 149, 152, 236, 237, 238
Dance 110
English 112, 118, 122, 126, 134-135-136-137, 201, 203, 215, 217, 218, 219, 221, 222, 231, 232, 234, 235, 236, 237, 238, 241, 242, 275, 276, 277
French 120, 121, 152, 220, 221, 250, 251
German 120, 121, 220, 221, 250, 251
History 100, 101, 103, 105, 106, 112, 113, 126, 135, 136, 137, 147, 148, 156, 157
Humanities 110, 120, 125, 130, 135, 160, 170
Italian 120, 121, 220, 221, 250, 251
Japanese 120, 121, 149, 220, 221, 250, 251
Media Communications 111, 189
Music 110, 111, 115, 116, 117, 189
Philosophy 110, 111, 112, 114, 116, 118, 140, 141, 145, 150
Photography 150, 154
Religious Studies 120, 130, 140, 150
Russian 120, 121, 220, 221, 250, 251
Spanish 120, [120A*, 120B*], 121, 122, 123, 141, 145, 220, 221, 250, 251
Theatre Arts 101, 110, 143, 144, 189

*Spanish 120A and Spanish 120B are equivalent to one semester of Spanish 120.

Area D - Social Sciences

One social science course (a minimum of three units) is required.

Administration of Justice 110
Anthropology 120, 140
Child Development 115, 125, 131, 134, 145, 153
Communication 124, 128
Cross-Cultural Studies 114, 115, 118, 119, 124, 125, 128, 130, 131, 132, 133, 135, 145, 150, 151, 153, 154, 155, 180, 181
Economics 110, 120, 121
Family Studies 115, 120
Geography 106, 130, 170
Health Education 120, 155, 158, 201
Health Science 110
History 108, 109, 114, 115, 118, 119, 122, 123, 124, 127,130, 131, 150, 151, 154, 155, 180, 181
Media Communications 110
Political Science 120, 121, 124, 130, 140, 150, 160
Psychology 120, 125, 130, 132, 134, 138, 170
Sociology 114, 120, 125, 130, 138, 140

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:

Dance 068, 071A, 071B, 072A, 072B, 074A, 074B, 078A, 078B, 080A, 080B, 080C, 080D, 081A, 081B, 081C, 081D, 082A, 082B, 084A, 084B, 084C, 084D, 088A, 088B, 088C, 088D, 094A, 094B, 094C, 094D, 099A, 099B, 099C, 116

Exercise Science 001, 002, 003, 004A, 004B, 004C, 005A, 005B, 005C, 006A, 006B, 006C, 007A, 007B, 007C, 008, 009A, 009B, 009C, 017A, 017B, 017C, 021A, 021B, 021C, 023A, 023B, 023C, 024A, 024B, 024C, 027, 028A, 028B, 028C, 029, 030, 035, 037A, 037B, 037C, 039, 040A, 040B, 040C, 041, 043A, 043B, 043C, 044A, 044B, 044C, 060A, 060B, 060C, 076A, 076B, 076C, 120A, 120B, 120C, 121, 125A, 125B, 125C, 130A, 130B, 130C, 135, 136, 150, 155A, 155B, 155C, 156, 170A, 170B, 170C, 171A, 171B, 171C, 172A, 172B, 172C, 175A, 175B, 175C, 180, 185A, 185B, 185C, 200, 201, 202

Associate Degree Major Requirements

Note: All courses in the major must be completed with a letter grade of "C" or higher.

Subject & Number	Title	Units
Biology 140	Human Anatomy	5
and		
Biology 141	Human Physiology	3
and		
Biology 141L	Laboratory in Human Physiology	1
or		
Biology 144	Anatomy and Physiology I	(4)
and		
Biology 145	Anatomy and Physiology II	(4)
Biology 152	Paramedical Microbiology	5
Chemistry 115	Fundamentals of Chemistry	4
Respiratory Therapy 105	Cardiopulmonary Physiology and Disease Entities	4
Respiratory Therapy 108	Basic Respiratory Therapy Equipment, Procedures and Life Support Systems	5
Respiratory Therapy 112	Supervised Clinical Practicum I	1
Respiratory Therapy 114	Respiratory Pharmacology	2

Respiratory Therapy 116	Assessment in Respiratory Care	3
Respiratory Therapy 118	Critical Care Life Support Equipment and Procedures	4.5
Respiratory Therapy 122	Supervised Clinical Practicum II	3
Respiratory Therapy 150	Neonatal-Pediatric Respiratory Care	3
Respiratory Therapy 201	Cardiopulmonary Pathology and Pathophysiology	4
Respiratory Therapy 205	Cardiopulmonary Patient Management	4
Respiratory Therapy 208	Invasive and Noninvasive Cardiopulmonary Monitoring	4.5
Respiratory Therapy 222	Supervised Clinical Practicum III	3.5
Respiratory Therapy 232	Supervised Clinical Practicum IV	3.5
Respiratory Therapy 268	Home Care Laboratory Techniques	1
	Total Required	63 or 64
	Plus General Education and Elective Requirements	

Certificate of Achievement Anesthesia Technology

Note: All courses must be completed with a letter grade of "C" or higher.

Subject and Number	Title	Units
Respiratory Therapy 141	Anesthesia Technology I	2
Respiratory Therapy 142	Anatomy and Physiology for the Anesthesia Technician	2
Respiratory Therapy 143	Introduction to the Operating System	1.5
Respiratory Therapy 144	Supervised Clinical Practicum I for the Anesthesia Technician	3
Respiratory Therapy 145	Anesthesia Technology II	2.5
Respiratory Therapy 146	Pharmacology for the Anesthesia Technician	2
Respiratory Therapy 147	Anesthesia Technology III	2.5
Respiratory Therapy 148	Supervised Clinical Practicum II for the Anesthesia Technician	2
	Total	17.5

Certificate of Achievement

Any student who chooses to complete only the requirements listed above qualifies for a Certificate of Achievement in Respiratory Therapy- Anesthesia Technology. An official request must be filed with the Admissions and Records Office prior to the deadline stated in the Academic Calendar.

Note: All courses must be completed with a letter grade of "C" or higher.

Retail Management

Retail sales and management is one of the largest fields for employment in the United State. 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

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

Note: All courses in the major must be completed with a letter grade of "C" or higher.

Subject & Number	Title	Units
Business 109	Elementary Accounting	3
Business 115	Human Relations in Business	3
Business 118	Retail Management	3
Business 128	Business Communications	3
Business 146	Introduction to Marketing	3
Business 152	Business Math	2
Business 155	Human Resources Management	3
Business 156	Principles of Management	3
Communication 122	Public Speaking	3
Computer Science Info. Systems 110	Principles of Information Systems	4
or		
Computer Science Info. Systems 172	Introduction to Microcomputer Applications	(2)
	Total	28-30
	Plus General Education 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.

Note: All courses must be completed with a letter grade of "C" or higher.

Russian

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

Advertising
Bilingual Aide
Foreign Correspondent*
Foreign Broadcast Specialist*
Import-Export Agent
In-Country Representative
Intelligence Specialist
Journalist*
Manufacturer's Representative
Sales Person
Scientist Linguist
Teacher/Professor*
Translator/Interpreter*
Travel Agent
United Nations Guide

*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

Note: All courses in the major must be completed with a letter grade of "C" or higher.

Subject & Number	Title	Units
History 105	Early Western Civilization	3
Russian 120	Russian I	5
Russian 121	Russian II	5
Russian 220	Russian III	5
Russian 221	Russian IV	5
Russian 250	Conversational Russian I	3
Russian 251	Conversational Russian II	3
	Total	29
	Plus General Education 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.

Note: All courses must be completed with a letter grade of "C" or higher.

Associate in Arts in Sociology for Transfer (A.A.-T)

The Associate in Arts in Sociology for Transfer (A.A.-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. 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) 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 Sociology for Transfer (A.A.-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 in all courses required for the major or area of emphasis. A "Pass" grade is not an acceptable grade for courses in 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 in Arts in Sociology for Transfer Required Core

Subject & Number	Title	Units
Sociology 120	Introductory Sociology	3
List A		
Select TWO (2) of the following:		
Sociology 130	Contemporary Social Problems	3
Sociology 215	Statistics for Behavioral Sciences (MATH 160 will be accepted)	3
Psychology 205	Research Methods for Psychology	3
	Total	6
List B		
Select TWO (2) of the following:		
Sociology 114	Introduction to the Sociology of Minority Group Relations	3
Sociology 125	Marriage, Family and Alternative Life Styles	3
Sociology 138	Social Psychology	3
Sociology 140	Sex and Gender Across Cultures	3
	Total	6
List C		
Select ONE (1) of the following:		
Anthropology 120	Cultural Anthropology	3
Geography 130	Human and Cultural Geography	3
Psychology 134	Human Sexuality	3
	Total	3
	Total Required for the Major	18
	Total Units Required for CSU GE Breadth or IGETC	37-39
	Total Elective CSU Transferable Units Required	3-5
	Total Units Required for the Degree	60

SPANISH

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 Foreign Languages.

Career Opportunities

Bilingual Aide
Border Patrol Officer
Buyer
Court Interpreter*
Counseling
Customs Agent/Inspector
Foreign Exchange Clerk
Foreign Student Advisor*
Interpreter*
Journalist*
Museum Curator*
Physician*
Scientific Linguist*
Tour Guide
Tutor

*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

Note: All courses in the major must be completed with a letter grade of "C" or higher.

Subject & Number	Title	Units
Spanish 120	Spanish I	5
or		
Spanish 120A	Spanish I	(2.5)
and		
Spanish 120B	Spanish I	(2.5)
Spanish 121	Spanish II	5
Spanish 220	Spanish III	5
or		
Spanish 122	Spanish for the Native Speaker I	(5)
Spanish 221	Spanish IV	5
or		
Spanish 123	Spanish for the Native Speaker II	(5)
Spanish 250	Conversational Spanish I	3
Spanish 251	Conversational Spanish II	3
	Total	26

Select ONE (1) of the following courses:

Subject & Number	Title	Units
Spanish 141	Spanish and Latin American Cultures	3
Spanish 145	Hispanic Civilizations	3
Cross-Cultural Studies 118	U.S. History: The Chicano/ Chicana Perspectives I	3
or		
History 118	U.S. History: Chicano/ Chicana Perspectives I	3
Cross-Cultural Studies 119	U.S. History: Chicano/ Chicana Perspectives II	3
or		
History 119	U.S. History: Chicano/ Chicana Perspectives II	3
	Total Required	29
	Plus General Education 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.

Note: All courses must be completed with a letter grade of "C" or higher.

Speech Communication

See: Communication

Telecommunications

See: Media Communications

Theatre Arts

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

Actor/Actress
Actors' Agent
Casting Director
Costume Designer*
Director*
Display Designer*
Light Technician*
Producer*
Production Stage Manager*
Sound Engineer
Special Effects Specialist*
Theatre Manager

*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 appreciation of learning and create a diverse aesthetic for theatre and it's place 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 the proper artistic conduct in all academic and professional environments.

Associate Degree Major Requirements

Note: All courses in the major must be completed with a letter grade of "C" or higher.

Subject & Number	Title	Units
Theatre Arts 101	Introduction to Narrative Theory	3
Theatre Arts 110	Introduction to the Theatre	3
Theatre Arts 130	Beginning Acting	3
Theatre Arts 134A or B	Fundamentals of Costume Design and Construction I or II	3
or		
Theatre Arts 155	Stagecrafts	(3)
Theatre Arts 136	Theatre Makeup	2
Theatre Arts 143	Historic Costume for the Theatre	3
or		
Theatre Arts 144	20th Century Fashion and Costumes	(3)
	Total	20

Select ONE (1) of the following courses:

Subject & Number	Title	Units
Theatre Arts 102A or B or C or D	Theatre Production Practicum: Costumes I or II or III or IV	2
Theatre Arts 103A or B or C or D	Theatre Production Practicum: Sets I or II or III or IV	2
Theatre Arts 104A or B or C or D	Theatre Production Practicum: Lighting/Sound I or II or III or IV	2
Theatre Arts 111A or B or C or D	Rehearsal and Performance: Acting I or II or III or IV	2
Theatre Arts 112A or B or C or D	Rehearsal and Performance: Stage Management I or II or III or IV	2
Theatre Arts 113A or B or C or D	Rehearsal and Performance: Production Crew I or II or III or IV	2
	Total	2

Note: Plus one area of emphasis selected from the following:

Area of Emphasis Acting

Note: All courses must be completed with a letter grade of "C" or higher.

Subject & Number	Title	Units
Theatre Arts 115	Voice and Movement for the Stage	3
or		
Theatre Arts 119A or B	Theatre Mime I or II	(3)
Theatre Arts 131	Intermediate Acting	3
Theatre Arts 207 or 208	Techniques of Directing I or II	3
Theatre Arts 230	Advanced Acting I	3
	Total	12
	Total Required	31
	Plus General Education and Elective Requirements	

Recommended Electives:

Subject & Number	Title	Units
Theatre Arts 111A or B or C or D	Rehearsal Performance Acting I or II or III or IV	2

Area of Emphasis Technical

Note: All courses must be completed with a letter grade of "C" or higher.

Subject & Number	Title	Units
Theatre Arts 134A or B	Fundamentals of Costume Design and Construction I or II	3
or		
Theatre Arts 156	Fundamentals of Scenic Design	(3)
Theatre Arts 137	Theatre Makeup II	2
or		
Theatre Arts 157	Fundamentals of Stage Lighting and Sound Design	(3)
Theatre Arts 254A or B	Advanced Design I or II	3
	Total	8-9
	Total Required	30-31
	Plus General Education 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.

Note: All courses must be completed with a letter grade of "C" or higher.

Technical Training Program

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

Note: All courses in the major must be completed with a letter grade of "C" or higher.

Subject & Number	Title	Units
Theatre Arts 101	Introduction to Narrative Theory	3
Theatre Arts 134A or B	Fundamentals of Costume Design and Construction I or II	3
Theatre Arts 136	Theatre Makeup	2
or		
Theatre Arts 140A or B	Costume Patternmaking I or II	(2)
Theatre Arts 155	Stagecrafts	3
Theatre Arts 156	Fundamentals of Scenic Design	3
Theatre Arts 157	Fundamentals of Stage Lighting and Sound	3
Theatre Arts 241	Theatre Arts Technical Internship	1
or		
Theatre Arts 242	Theatre Arts Technical Internship	(2)
or		
Theatre Arts 243	Theatre Arts Technical Internship	(3)
	Total Required	18-20

Select FOUR (4) courses from the following:

Subject & Number	Title	Units
Theatre Arts 102A or B or C or D	Theatre Production Practicum: Costumes I or II or III or IV	2
Theatre Arts 103A or B or C or D	Theatre Production Practicum: Sets I or II or III or IV	2
Theatre Arts 104A or B or C or D	Theatre Production Practicum: Lighting/Sound I or II or III or IV	2
	Total	8
	Plus General Education and Elective Requirements	27-30

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.

Note: All courses must be completed with a letter grade of "C" or higher.

Tribal Gaming: Culture and Policies

Certificate of Proficiency

A department issued Certificate of Proficiency may be awarded upon successful completion of a prescribed course of study. This certificate will not appear on a student's transcripts. The Tribal Gaming: Culture and Policies Certificate of Proficiency provides a basis of cultural and academic knowledge in the tribal gaming industry. These skills include:

- How to understand tribal governments, tribal peoples and the regulatory agencies that govern tribal gaming.
- How to work for an organization which caters to an ethnically diverse market of customers.
- How to understand social, political and environmental impacts of tribal gaming on local, regional and national jurisdictions.

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 describe tribal governments, tribal peoples and the regulatory agencies that govern tribal gaming.
2. Demonstrate the ability to interact effectively within and across cultures, particularly as an employee of an organization which caters to an ethnically diverse market of customers.
3. Analyze the social, political and environmental impacts of tribal gaming on local, regional and national jurisdictions.

Note: All courses must be completed with a letter grade of "C" or higher.

Subject & Number	Title	Units
Cross-Cultural Studies 170	American Indian Tribal Governments and Indian Sovereignty	3
Cross-Cultural Studies 172	Tribal Gaming and the Law	3
Cross-Cultural Studies 174	Organizational Culture of Gaming	3
Cross-Cultural Studies 176	Tribal Gaming Theory	3
Cross-Cultural Studies 178	Gambling Behavior: Addiction and Problem Gaming	3
	Total	15

University Studies

The Associate Degree in University Studies with five areas of emphasis 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. Students can refer to www.ASSIST.org and the Grossmont College Articulation website: www.grossmont.edu/articuation for current articulation of courses required for transfer majors.

Students who intend to transfer must complete a minimum of 37-45 units of general education depending on the transfer pattern. This may result in more than 60 units for the associate degree. The completion of the University Studies Degree does not guarantee acceptance into either a baccalaureate major or a four-year institution.

Requirements

To meet the University Studies Degree requirements, a student must complete the following:

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 for all courses in Area A and the Mathematical/Quantitative Reasoning courses in Area B.
3. Complete a minimum of 18 units in an area of emphasis (listed below) with a "C" grade or higher.
4. Complete a minimum of 60 degree applicable CSU transferable semester units. (All courses included in each area of emphasis are CSU transferable.) Additional CSU 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).

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 in all IGETC courses.
3. Complete a minimum of 18 units in an area of emphasis (listed below) with a "C" grade or higher.
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).

AND

III. Area of Emphasis

Select <u>one</u> area of emphasis with a minimum of 18 units required from the list below

A. Business and Economics
B. Communication and Language Arts
C. Humanities and Fine Arts
D. Mathematics, Natural Science and Computer Science
E. Social and Behavioral Sciences

AND

IV. Fitness/Wellness

Select one of the following options:

1. Take any TWO exercise science or dance courses designated as meeting the GE requirement. (See college catalog for Associate Degree GE requirements.)

or

2. Take ONE fitness course, chosen from the following:
   ES 001, 002, 003, 004A-C, 005A-C, 006A-C, 007A-C, 008, 009A-C, 021A-C, 023A-C, 024A-C, 040A-C, 041, 044A-C

or

3. Take Health Education 120.

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.

Note: All courses in the area of emphasis must be completed with a letter grade of "C" or higher.

A. Business and Economics-AA

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:

1. Students will apply mathematical and quantitative reasoning skills to the discipline's methodologies
2. Students will evaluate and interpret basic economic principles and theories related to performance and specific economic sectors

A minimum of 18 units required. Courses in this area of emphasis 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 six units in business, six units in economics, and six units of electives from the following.

Business

BUS 110, 120, 121, 125, 128*, 158*, 160*,

Economics

ECON 110, 120, 121, 261

Electives

CSIS 110
LIR 110*
MATH 160, 175, 178, 180, 280, 281

B. Communication and Language Arts-AA

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. Students will explore and analyze written and verbal communication methods
2. Students will develop and advance their oral and written communication skills.

A minimum of 18 units required. Courses in this area of emphasis 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 six units in communication and six units in language arts. The remaining six units may be taken from either category.

Note: All courses must be completed with a letter grade of "C" or higher.

Communication

CCS 144
COMM 120*, 122, 123, 124, 128, 135, 136, 137, 144, 145
MCOM 110, 111, 112*, 116*, 117*, 118*, 120, 189

Language Arts

ARBC 120, 121, 122, 123, 148, 220, 221, 250, 251
ASL 120, 121, 140, 220, 221
CCS 122, 123
CHIN 120, 121, 220, 221, 250, 251
ENGL 112*, 118, 122, 124, 126, 130, 131, 132, 133, 140, 141, 142, 143, 215, 219, 221, 222, 225, 226, 227, 228, 231, 232
FREN 120, 121, 220, 221, 250, 251
GERM 120, 121, 220, 221, 250, 251
ITAL 120, 121, 220, 221, 250, 251
JAPN 120, 121, 220, 221, 250, 251
RUSS 120, 121, 220, 221, 250, 251
SPAN 120 or (120A & 120B), 121, 122, 123, 220, 221, 250, 251

*Non-UC transferable course.

C. Humanities and Fine Arts-AA

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. Students will evaluate and interpret the ways in which people through the ages in different cultures responded to themselves and the world around them through artistic and cultural creation.

2. Students will develop an aesthetic awareness and incorporate these concepts when constructing value judgments.

A minimum of 18 units required. Courses in this area of emphasis 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 six units in Humanities and six units in Fine Arts. The remaining six units may be taken from either category.

Note: All courses must be completed with a letter grade of "C" or higher.

Humanities

ARBC 120, 121, 122, 123, 220, 221, 250, 251
ASL 120, 121, 140, 220, 221
CHIN 120, 121, 220, 221, 250, 251
CCS 122, 123, 135, 145, 147, 149, 152, 236, 237, 238
ENGL 112*, 118, 122, 201, 215, 217, 218, 219, 221, 222, 225, 226, 227, 228, 231, 232, 236, 237, 238, 241, 242
FREN 120, 121, 152, 220, 221, 250, 251
GERM 120, 121, 220, 221, 250, 251
HIST 100, 101, 103, 105, 106, 126, 135, 136, 137, 147
HUM 110, 120, 125, 130, 135, 160, 170
ITAL 120, 121, 220, 221, 250, 251
JAPN 120, 121, 149, 220, 221, 250, 251
PHIL 110, 111, 112, 114, 116, 118, 125, 130, 140, 145, 150, 155
RELG 120, 130, 140, 150
RUSS 120, 121, 220, 221, 250, 251
SPAN 120, (120A and 120B), 121, 122, 123, 141, 145*, 220, 221, 250, 251

Fine Arts

ART 100, 120, 121, 124, 125, 126, 127, 128, 129, 130, 131*, 132*, 133*, 140, 141, 142, 143, 145, 146, 147, 172, 189
CCS 126, 134
DANC 068, 071A-B, 072A-B, 080A-D, 081A-D, 082A-B, 084A-D, 088A-D, 094A-D, 099A-C, 110, 115, 205, 206
MCOM 189
MUS 101, 102, 105, 106, 110, 111, 114, 115, 116, 117, 123-129, 132-157, 162-167, 170-175, 180, 181, 189, 190, 191, 201-206, 210-213, 224, 226, 232, 233, 234A-B, 235A-B, 236-257, 262, 263, 264-267, 270-275, 285-287, 290, 291
PHOT 150, 151, 152*, 154
THTR 101, 102A, 103A, 104A, 110, 111A-D, 112A-D, 113A-D, 115, 119A-B, 122A-D, 123A-D, 124A-D, 130, 131, 134AB, 136, 137, 143, 144*, 145, 146, 147, 148, 155, 156, 157, 189, 207, 208, 230, 234A-B, 235A-B, 254A-B

*Non-UC transferable course.

D. Mathematics and Natural Science and Computer Science-AS

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 MATHEMATHICS, NATURAL SCIENCE, AND COMPUTER SCIENCE are:

1. Students will recognize and utilize the methodologies of science as investigative tools.
2. Students will use basic mathematical skills to solve numerical problems encountered in daily life, and more advanced skills for applications in the physical and life sciences.

A minimum of 18 units required. Courses in this area of emphasis 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 six units in Mathematics, and a minimum of six units in Natural Science or Computer Science. The remaining six units may be taken from either of the categories: Mathematics, Natural Science or Computer Science.

Note: All courses must be completed with a letter grade of "C" or higher.

Mathematics

ANTH 215
BIO 215
MATH 150, 160, 170*, 175, 176, 177, 178, 180, 245, 280, 281, 284, 285
PSY 215
SOC 215

Natural Science

ANTH 130, 131
ASTR 110, 112, 120
BIO 105, 110, 112, 114, 118, 120, 140, 141, 142, 144, 145, 152*, 180, 230, 240
CHEM 102, 110, 113, 115, 116, 120, 141, 142, 231, 232
GEOG 104, 106, 120, 121, 130, 140, 150, 170
GEOL 104, 110, 111, 121, 150, 210, 230
OCEA 112, 113, 150
PHYC 110, 130, 131, 140, 240, 241
PSC 100, 110, 111
SCI 110

Computer Science

CSIS 165, 293, 294, 296, 297

*Non-UC transferable course.

E. Social and Behavioral Sciences-AA

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. Students will 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.
2. Students will evaluate various approaches and methodologies of the disciplines.

A minimum of 18 units required. Courses in this area of emphasis 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 six units in Social Science and six units in Behavioral Science. The remaining six units may be taken from either category:

Note: All courses must be completed with a letter grade of "C" or higher.

Social Sciences

AOJ 110, 200, 240
ANTH 120, 140
COMM 144
CCS 114, 115, 118, 119, 124, 125, 128, 130, 131, 132, 133, 135, 143, 144, 145, 147, 150, 151, 152, 154, 155, 180, 181
ECON 110, 120, 121, 261
GEOG 106, 130, 170
HIST 103, 108, 109, 112, 113, 114, 115, 118, 119, 122, 123, 124, 127, 130, 131, 136, 147, 148, 150, 151, 154, 155, 156, 157, 180, 181
POSC 120, 121, 124, 130, 140*, 150, 155, 160
SOC 114
SPAN 145*

Behavioral Sciences

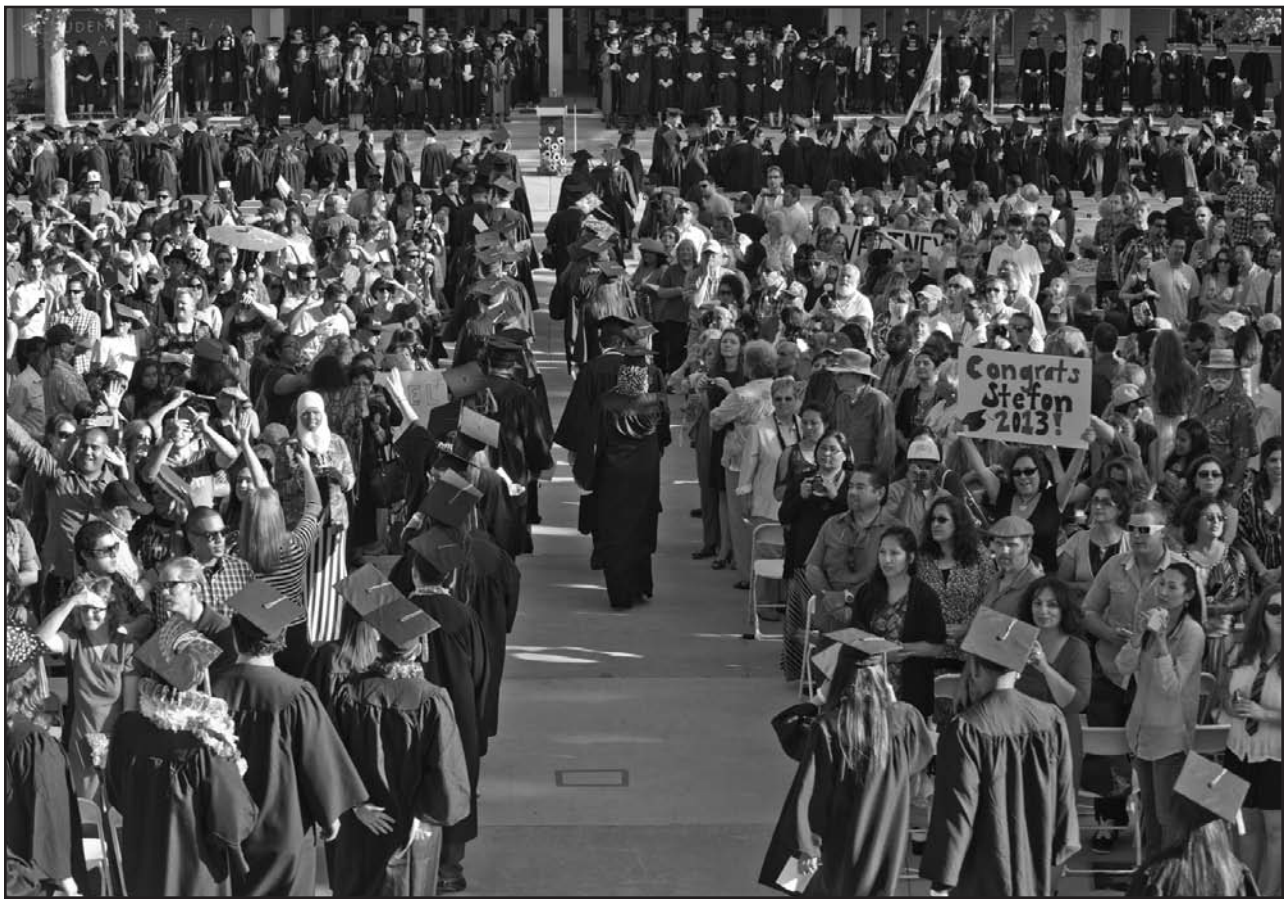
CCS 125
CD 115, 125, 131, 145
COMM 124, 128
ED 200
FS 115, 120
HED 120, 155, 201, 255
PSY 120, 125, 130, 134, 138, 140, 150, 170, 220
SOC 120, 125, 130, 138, 140

*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.

Note: All courses must be completed with a letter grade of "C" or higher.






CLUB
UNITY
Surf
club
Christian
Club



Courses of Instruction



Course Offerings by Division

Allied Health and Nursing
Cardiovascular Technology, Health Sciences, Nursing, Occupational Therapy Assistant, Orthopedic Technology, Respiratory Therapy

Arts, Languages and Communication
American Sign Language, Arabic, Art, Chinese, Communication, Dance, French, German, Humanities, Italian, Japanese, Media Communications, Music, Photography, Russian, Spanish, Theatre Arts

Career and Technical Education/Workforce Development
Administration of Justice, Business, Business Office Technology, Child Development, Computer Science Information Systems, Culinary Arts, Education, Family Studies

Counseling, Student Development and Matriculation
Counseling, Personal Development-Special Services

English and Social/Behavioral Sciences
Anthropology, Cross-Cultural Studies, Economics, English, English as a Second Language, History, Philosophy, Political Science, Psychology, Religious Studies, Sociology

Mathematics, Natural Sciences, Exercise Science and Wellness
Astronomy, Biological Sciences, Chemistry, Exercise Science, Geography, Geology, Health Education, Mathematics, Oceanography, Physical Science, Physics, Science.

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 299B). 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.

Prerequisites, Corequisites and Advisories on Recommended Preparation
See page 26.

Supervised Tutoring (198)
Supervised tutoring courses use a variety of educational tools to assist students with various learning needs. These courses can be used to assist students to strengthen prerequisite skills prior to enrolling in a specific course or to receive supplemental assistance while enrolled in another course. Students must be referred by an instructor to enroll in supervised tutoring classes. Supervised tutoring courses may be repeated with different content in various departments. There is no fee charged and no credit given for supervised tutoring.

Special Study (199)
The Special Study (199) is for the purpose of allowing students to increase their knowledge of a subject matter not included in regular course offerings. Because the Grossmont College curriculum provides an opportunity for the student to explore a wide variety of subject matter disciplines (art, computer science, music, etc.) the Special Study (199) should be limited to unusual circumstances.

Special studies shall be available to those students who have accumulated the skills and breadth of academic experience necessary to utilize the special learning method. Special study credit shall be limited to nine (9) units at Grossmont College. The unit value for a special study or project will be determined on the basis of one (1) unit for each forty-eight (48) hours of work.

A typewritten one-page paper describing the goals and methods of the special study or project is to be written by the student and attached to the contract. This paper will be used as a criterion for acceptance or rejection of the proposal. This paper will also be used by the instructor to evaluate the extent to which the stated goals of the special study have been achieved. Grades will be assigned by the instructor based on the level of this achievement. The Grossmont College grading policy applies to 199's.

Contracts for special studies or projects are available in the Admissions and Records Office. The deadline for enrolling in a special study or project will be the end of the second week for full-term classes and the end of the first week for eight (8)-week and summer session classes.

Special studies or projects generally do not qualify as units for purposes of applying for financial aid. Students on financial aid should check with the Financial Aid Office.

298 Courses-Selected Topics
Courses of this type are new and experimental and may be found in the various disciplines of the college. They are not regular catalog offerings and may be offered in a seminar, lecture and/or laboratory format. Course content and unit credit will be determined by the discipline offering the course. A description of the current offerings may be found in the class schedule. Pass/No Pass only. Non-associate degree applicable.

299 A-B Courses-Selected Topics
Courses of this type are new and experimental and may be found in the various disciplines of the college. They are not regular catalog offerings, nor do

they qualify for general education credit. The topics may be offered in a seminar, lecture, and/or laboratory format. Course content and unit credit will be determined by the discipline offering the course. A description of the current offerings can be found in the class schedule. 299A courses are associate degree level and may not transfer to four-year universities. 299B courses are baccalaureate level and transfer to California State Universities. Contact the four-year university you wish to attend for information regarding the acceptance of individual 299 courses.

Community Service Learning Experience

Grossmont College offers students the opportunity to earn academic credit while volunteering in the community. Community Service Learning Experience provides thoughtfully organized service experiences which meet community needs and which are integrated into academic course work. As part of our nation's service agenda, Grossmont is extending student learning beyond the classroom and into the community. Speak to the department chairperson for more information.

Administration of Justice (AOJ)

Administration of Justice 100 † PC 832 Laws of Arrest (No Firearms)

2 units, 2 hours lecture, 1 hour laboratory

This course meets the basic requirements for those who need the Powers of Arrest course. This may include search and rescue, lifeguards, animal control and allows for some limited support duties by Level III Reserves. Meets the requirements of Penal Code Section 832, Laws of Arrest, as required by P.O.S.T. This course is offered on a Pass/No Pass basis only.

Administration of Justice 101 † Firearms for PC 832 Laws of Arrest

.5 unit, .5 hour lecture, 1 hour laboratory

Prerequisite: *A "Pass" grade in Administration of Justice 100 or equivalent or concurrent enrollment in Administration of Justice 100. NOTE: Students must not have any felony or domestic violence convictions and must meet state and federal requirements for possessing a firearm.*

Taken in conjunction with AOJ 100, or within 3 years after completion of AOJ 100 or other P.O.S.T.-certified PC 832 course, 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.

Administration of Justice 103 A-B-C-D † Police Academy (Level III)

8 units, 6.5 hours lecture, 4.5 hours laboratory

A study of professionalism, leadership, ethics, community policing, criminal law, search and seizure, laws of arrest, investigations, note-taking, report writing, human relations, use of force, firearms, arrest and control, vehicle operation, first aid/CPR, and chemical agents. Meets requirements of Penal Code Section 832 for laws of arrest and search and seizure as well as the requirements for limited support duties of Level III Reserve Police Officers as specified by P.O.S.T. Limited duties include traffic control, security at public events, prisoner and evidence transportation, parking enforcement and report writing. This course is offered on a Pass/No Pass basis only.

Administration of Justice 104 A-B-C-D † Police Academy (Level II)

11 units, 9 hours lecture, 7 hours laboratory

Prerequisite: *A "Pass" grade in Administration of Justice 103 A-B-C-D or equivalent.*

Topics include hazardous materials management, cultural awareness, victimology, crisis intervention, unusual occurrences, sex crimes, and weapons violations. Meets P.O.S.T. Level II requirements and allows Reserve Police Officers to perform more law enforcement related duties than Level III Reserve Police Officers. Successful completion of Levels III and II may qualify the student for entry into a P.O.S.T.-certified Level 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.

The following applies to Police Academy courses, AOJ 103, 104: There are three levels of law enforcement training, Level III, Level II, and Level I. Each has a specific curriculum designed to correlate with the actual duties Reserve and Regular Police Officers perform. Grossmont College does not offer Level I at this time. After completing Level II at Grossmont College, those seeking Level I certification must transfer to a college that offers Level I. The Police Academy is a structured paramilitary environment. Uniforms and equipment must be purchased by the student. According to state law, record checks for criminal history must be made prior to acceptance into the program. Students must not have any felony or domestic violence convictions, and must meet state and federal requirements for possessing a firearm. Students should note that the courses are certified by the California Commission on Peace Officer Standards (P.O.S.T.) and P.O.S.T. specifies strict attendance, performance, and testing policies.

Administration of Justice 107 † Corrections Academy

9.5 units, 8.6 hours lecture, 3.9 hours laboratory

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.*

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 Corrections, Standards and Training for Corrections (STC) for entry-level adult corrections officers.

Administration of Justice 110 † Introduction to Administration of Justice

3 units, 3 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.

Satisfies General Education for: Grossmont College D1; CSU D8; IGETC 4H
Transfers to: CSU, UC

† This course meets all Title 5 standards for Associate Degree Credit.

Administration of Justice 111 †
Introduction to Security Management
3 units, 3 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.
Transfers to CSU

Administration of Justice 119 †
Public Safety Hiring Procedures
1.5 units, 1.5 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 law enforcement or public safety and is offered on a Pass/No Pass basis only.

Administration of Justice 120 †
Community Policing and Patrol Procedure
3 units, 3 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.
Transfers to CSU

Administration of Justice 122 †
Traffic Law and Enforcement
3 units, 3 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.
Transfers to CSU

Administration of Justice 125 †
Introduction to Corrections
3 units, 3 hours lecture
This course provides a critical analysis of punishment, the various types of punishment, alternatives to punishment, and the impact of punishment on the Criminal Justice System. A critical examination of the types of correctional institutions and the clients housed in each institution.
Transfers to CSU

Administration of Justice 126 †
Control and Supervision in Corrections
3 units, 3 hours lecture
This course offers an overview of the supervision of inmates in local, state, and federal correctional institutions. The concepts and application of control in a continuum from institutional daily living through crisis situations will be introduced and discussed. The course will emphasize the roles played by the offender and the correctional worker.
Transfers to CSU

Administration of Justice 128 †
Defensive Tactics
1 unit, 1 hour lecture, 1 hour laboratory
Prerequisite: *Completion of 12 semester units with a "C" grade or higher or "Pass" in Administration of Justice coursework or equivalent.*
A study of the legal and moral aspects of the use of force and protection against persons armed with dangerous weapons. Emphasis is placed on demonstration and drill in defense tactics, field procedures in prisoner control, and law and procedures pertaining to the mentally ill.
Transfers to CSU

Administration of Justice 130 †
Firearms
1 unit, 2 hours lecture/laboratory
Prerequisite: *Completion of 12 units with a "C" grade or higher or "Pass" or equivalent of Administration of Justice coursework.*
The moral aspects, legal provisions, safety precautions and restrictions covering the use of firearms and other law enforcement weapons.
Transfers to CSU

Administration of Justice 140 †
Correctional Counseling and Interviewing
3 units, 3 hours lecture
This course is an overview of the techniques in counseling and interviewing available to practitioners in corrections. The student will learn the use of appropriate techniques and theories in confidence-building which may be used by the correctional employee in client interviews and counseling.
Transfers to CSU

Administration of Justice 142 †
Legal Systems and Court Management
3 units, 3 hours lecture
This course is designed to provide the student with an understanding of the development and purposes of the California court system. It will examine the relationship between the elements of the criminal justice system. It will include principles and practices in civil and criminal courts, the various career paths of non-judicial court support personnel, a basic legal vocabulary, comprehensive aspects of the jury system, issues in court administration and management, as well as the future of the court system.
Transfers to CSU

Administration of Justice 148 †
Fingerprint Identification
3 units, 2 hours lecture, 3 hours laboratory.
Prerequisite: *A "C" grade or higher or "Pass" in Administration of Justice 110 or equivalent.*
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.
Transfers to CSU

Administration of Justice 150 †
Forensic Photography
4 units, 3 hours lecture, 3 hours laboratory
Corequisite: *Concurrent enrollment or a "C" grade or higher or "Pass" in Administration of Justice 110 or equivalent.*
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.
Transfers to CSU

† This course meets all Title 5 standards for Associate Degree Credit.

Administration of Justice 158 †
Emergency Dispatch Operator
7 units, 7 hours lecture, 1 hour 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.
Transfers to CSU

Administration of Justice 171 A-B-C-D †
Security Academy
4 units, 3.5 hours lecture, 1.5 hours laboratory
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/first aid, chemical agents, 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 or requalification requirements for guard registration (guard card), baton, exposed firearms permits for security officers.
Transfers to CSU

Administration of Justice 199
Special Studies or Projects in Administration of Justice
1-3 units, 3-9 hours
Prerequisite: *Consent of instructor.*
Individual study, research or projects in the field of criminology under instructor guidance. Written reports and periodic conferences required. Content and unit credit to be determined by student/instructor conferences and/or division. May be repeated for a maximum of nine units.

Administration of Justice 200 †
Criminal Law
3 units, 3 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.
Transfers to: CSU, UC

Administration of Justice 201 †
Legal Aspects of Security Management
3 units, 3 hours lecture
A study of criminal, tort, contract, and property law relative to security management. Emphasis is placed on laws of arrest, search and seizure, detention, interrogation, and use of force as well as civil liability, property and privacy rights, procurement of information, government regulations and legal consequences of impermissible investigative conduct.
Transfers to CSU

Administration of Justice 202 †
Criminal Evidence
3 units, 3 hours lecture
Recommended Preparation: *A "C" grade or higher in Administration of Justice 200 or equivalent.*
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.
Transfers to CSU

Administration of Justice 204 †
Criminal Trial Process
3 units, 3 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.
Transfers to CSU

Administration of Justice 206 †
Criminal Investigation
3 units, 3 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.
Transfers to CSU

Administration of Justice 207 †
Investigative Techniques for Security Management
3 units, 3 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.
Transfers to CSU

Administration of Justice 208 †
Juvenile Procedures
3 units, 3 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.
Transfers to CSU

Administration of Justice 210 †
Public Safety Administration
3 units, 3 hours lecture
An examination of the principles and practices of organization, administration and management in public safety and security environments (law enforcement, courts, corrections, fire service, environmental safety, and security). Emphasis is placed on planning, budgeting, human resources development, operations, supervision, evaluation, leadership, and ethical decision making.
Transfers to CSU

Administration of Justice 214-215 †
Public Service Internship
2 units, 10 hours work experience per week
Prerequisite: *A "C" grade or higher or "Pass" in Administration of Justice 110 or equivalent.*
Work experience as a sworn, reserve or volunteer person with a local public or private agency. For work experience requirements, see page 30.
Transfers to CSU

† This course meets all Title 5 standards for Associate Degree Credit.

Administration of Justice 218 † Forensic Technology
4 units, 3 hours lecture, 3 hours laboratory
Prerequisite: *A "C" grade or higher in Administration of Justice 150 or equivalent.*
Recommended Preparation: *A "C" grade or higher in Administration of Justice 148 or equivalent.*
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. The student will demonstrate proficiency in various forensic processing techniques and will prepare a court room ready presentation.
Transfers to CSU

Administration of Justice 220 † Advanced Forensic Technology
4 units, 3 hours lecture, 3 hours laboratory
Prerequisite: *A "C" grade or higher in Administration of Justice 218 or equivalent.*
This course will examine the scientific method as it applies to the collection and processing of physical evidence associated with crime scenes. Lectures and labs will be utilized to explore techniques and theories related to collecting and processing trace evidence, fingerprints, footwear/tire impressions, firearms, ballistics, questioned documents, toxicology and serology.
Transfers to CSU

Administration of Justice 224-225 † Forensic Public Service Internship
2 units, 10 hours work experience per week
Prerequisite: *A "C" grade or higher or "Pass" in Administration of Justice 148, 150, and 218 or equivalent.*
Forensic work experience as a sworn, reserve or volunteer person with a local public or private agency. For work experience requirements, see page 30.
Transfers to CSU

Administration of Justice 230 † Public Safety Communications
3 units, 3 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.
Transfers to CSU

Administration of Justice 240 † Community and the Justice System
3 units, 3 hours lecture
Recommended Preparation: *A "C" grade or higher in Administration of Justice 110 or equivalent.*
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.
Transfers to: CSU, UC

Administration of Justice 249 A-B-C-D † Advanced Officer Course
.5 units, 8 (total) hours lecture
Prerequisite: *Peace Officer status or paraprofessional in a related field.*
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.
Transfers to CSU

Administration of Justice 250 A-B-C-D † Advanced Officer Course
1.5 units, 24 (total) hours lecture
Prerequisite: *Peace Officer status or paraprofessional in a related field.*
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.
Transfers to CSU

Administration of Justice 251 A-B-C-D † Advanced Officer Course
2.5 units, 40 (total) hours lecture
Prerequisite: *Peace Officer status or paraprofessional in a related field.*
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.
Transfers to CSU

Administration of Justice 252 † Advanced Forensic Photography
4 units, 3 hours lecture, 3 hours laboratory
Prerequisite: *A "C" grade or higher in Administration of Justice 150 or equivalent.*
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, crime prevention and police community relation applications.
Transfers to CSU

Administration of Justice 254 † Advanced Fingerprint Identification
3 units, 2 hours lecture, 3 hours laboratory
Prerequisite: *A "C" grade or higher in Administration of Justice 148 or equivalent.*
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.
Transfers to CSU

† This course meets all Title 5 standards for Associate Degree Credit.

Administration of Justice 260 †
(Computer Science Information Systems 260)
Information Security
3 units, 3 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.
Transfers to CSU

Administration of Justice 262 †
Seminar in Security Management
1 unit, 1 hour lecture
A study of current topics in the field of security management such as terrorism as well as hospital, retail, transportation, special events, casino, and homeland security. Topics are identified through advisory group input and are based on contemporary community needs. Students will analyze problem situations, conduct applicable research, and develop alternative solutions.
Transfers to CSU

Administration of Justice 271 †
Developing a Personal Philosophy of Leadership
2.5 units, 2.5 hours lecture
This is one of four courses in the California Public Safety Leadership and Ethics Program. It provides the participant with a deeper understanding of self in relation to leadership philosophies, knowledge, skills, and abilities. Each participant will study and explore core values, ethics, and decision-making, and will begin to develop a personal philosophy of leadership. Self-leadership and one's leadership roles in the community as well as personal and professional environments are examined.
Transfers to CSU

Administration of Justice 272 †
Leading Others
2.5 units, 2.5 hours lecture
This is one of four courses in the California Public Safety Leadership and Ethics Program. The course is designed to help the participant develop the knowledge, skills, and abilities necessary to lead others effectively. The participant will explore various roles of leadership as they relate to functioning as a team builder, delegator, conflict resolution facilitator, coach, and mentor. The participant will also acquire knowledge of communication processes, empowerment, and leading in a diverse environment. Theories of leadership are examined and evaluated.
Transfers to CSU

Administration of Justice 273 †
Organizational Leadership
2.5 units, 2.5 hours lecture
This is one of four courses in the California Public Safety Leadership and Ethics Program. The participant will explore the leadership process and the leader-follower relationship within organizational settings. The influences of organizational culture, values, and contemporary societal issues on leadership effectiveness are examined. The concepts of learning organizations, organizational health, defenses, and change will be explored. Strategies for implementing an organizational vision are studied.
Transfers to CSU

Administration of Justice 274 †
Ethics and the Challenge of Leadership
2.5 units, 2.5 hours lecture
This is one of four courses in the California Public Safety Leadership and Ethics Program. The participant will correlate personal core values and characteristics to ethical decisions and behaviors. Ethical and principled leadership, ethical systems, ethical dilemmas, and ethical decision-making models will be explored. The participant will also examine the challenges and develop strategies for leading in public safety organizations as they serve diverse and dynamic communities.
Transfers to CSU

Administration of Justice 298 ††
Selected Topics in Administration of Justice
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in Administration of Justice not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Career and Technical Education/ Workforce Development in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class. Pass/No Pass only.
Non-associate degree applicable

Administration of Justice 299A †
Selected Topics in Administration of Justice
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in Administration of Justice not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Career and Technical Education/ Workforce Development in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class.
Associate degree applicable

Administration of Justice 299B †
Selected Topics in Administration of Justice
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in Administration of Justice not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Career and Technical Education/ Workforce Development in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class.
Baccalaureate level-CSU transfer

American Sign Language (ASL)

American Sign Language 120 †
American Sign Language I
4 units, 4 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.
Satisfies General Education for: Grossmont College C2; CSU C2; IGETC 6A
Transfers to: CSU, UC

† This course meets all Title 5 standards for Associate Degree Credit.
†† This course meets all Title 5 standards for Nondegree Credit.

American Sign Language 121 † American Sign Language II

4 units, 4 hours lecture

Prerequisite: *A "C" grade or higher or "Pass" in American Sign Language 120 or equivalent.*

A continuation of American Sign Language 120. Students will increase their knowledge of the Deaf community, culture, and Deaf education in a hearing world. The Deaf perspective on traditional employment of Deaf people in a hearing society will be explored. In language development, complex grammar functions, expanded vocabulary, and skill development are incorporated into the use of sign production. The course will provide an opportunity for students to improve and enhance their ability to communicate in American Sign Language.

Satisfies General Education for: Grossmont College C2; CSU C2; IGETC 3B, 6A

Transfers to: CSU, UC

American Sign Language 122 † Beginning Sign Language Practicum

1 unit, 4 hours laboratory

Prerequisite: *A "C" grade or higher or "Pass" in American Sign Language 120 or equivalent.*

The practicum course is designed for the beginning ASL student to reinforce and expand the student's expressive and receptive signing ability. The practicum utilizes hands-on experiences by continuing practice of the skills learned in ASL 120 and that correlates with ASL 121. Students will practice signing exercises, view native signers, and evaluate visual comprehension activities. Students will enhance their ability to use vocabulary and grammar structures that will enable them to function in ASL in everyday contexts with Deaf people.

Transfer to: CSU

American Sign Language 130 † Sign Language: Fingerspelling

3 units, 3 hours lecture

Recommended Preparation: *A "C" grade or higher or "Pass" in American Sign Language 120 or equivalent ability to sign.*

This course is taught using American Sign Language. Introduction to the American manual alphabet of fingerspelling and its use within American Sign Language. Upon completion of this course, students will demonstrate increased ability to accurately produce and comprehend ASL number systems and fingerspelling uses. Extensive drills and practice in both receptive and expressive use will be implemented.

Transfers to: CSU, UC

American Sign Language 140 † Perspectives on Deaf Culture

3 units, 3 hours lecture

This course will introduce students to the culture of Deaf people and distinguish the Deaf culture from the Deaf community. Students will be introduced to the dynamics of families when there are both hearing and Deaf family members and how culture is influenced. Deaf heritage, values, behaviors, historical perspectives, and the grammar structure of sign language will be examined. Culture and the influence of other sign systems will be explored. ASL literature, Deaf artists, social and political influences, and emerging technology for Deaf people will be studied.

Satisfies General Education for: Grossmont College C1; CSU C2; IGETC 3B

Transfers to: CSU, UC

American Sign Language 160 † Deaf People and Community Resources

3 units, 3 hours lecture

This course focuses on the implications of hearing loss and local community resources. The following topics are introduced: public education, sign language and deaf children, late deafened adults and communication issues and devices, being Deaf in a hearing family, the Americans with Disabilities Act (ADA) and interpreting services, telephone access for Deaf and hearing people, issues in employment of Deaf people, speech pathology, audiology, and social service agencies. The student will learn about local community resources, national resources, and how the Deaf consumer gains access. This course prepares the student for ASL 196 Community Service Learning.

Transfers to CSU

American Sign Language 199 Special Studies or Projects in American Sign Language

1-3 units, 3-9 hours

Prerequisite: *Consent of instructor.*

Individual study, research or projects in the field of American Sign Language under instructor guidance. Written reports and periodic conferences required. Content and unit credit to be determined by student/instructor conferences and/or division. May be repeated for a maximum of nine units.

American Sign Language 220 † American Sign Language III

4 units, 4 hours lecture

Prerequisite: *A "C" grade or higher or "Pass" in American Sign Language 121 or equivalent.*

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.

Satisfies General Education for: Grossmont College C2; CSU C2, IGETC 3B, 6A

Transfers to: CSU, UC

American Sign Language 221 † American Sign Language IV

4 units, 4 hours lecture

Prerequisite: *A "C" grade or higher or "Pass" in American Sign Language 220 or equivalent.*

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.

Satisfies General Education for: Grossmont College C2, CSU C2, IGETC 3B, 6A

Transfers to: CSU, UC

American Sign Language 222 † Intermediate Sign Language Practicum

1 unit, 4 hours laboratory

Prerequisite: *A "C" grade or higher or "Pass" in American Sign Language 121 and American Sign Language 122 or equivalent.*

The practicum course is designed for the intermediate ASL student to develop techniques in the various forms of creative storytelling. This course provides hands-on experiences by utilizing practice exercises, presentations and videotaping. Students will strengthen their mastery of ASL by practicing vocabulary, classifier use, facial expression, sequencing, spatial references, and character development learned in ASL 121, 122, and 220.

Transfers to CSU

† This course meets all Title 5 standards for Associate Degree Credit.

American Sign Language 250 †
Introduction to the Language Structure of ASL
3 units, 3 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in American Sign Language 220 or equivalent.*
Introduction and practice of the fundamental grammar structures of ASL. This course will examine the function and use of classifiers, syntax, semantics, phonology, morphology, discourse, sentence types, fingerspelling and lexicalized (loan) signs. Cultural aspects of language, bilingualism and society are presented. This course is designed for the student majoring in ASL.
Satisfies General Education for: Grossmont College C2
Transfers to CSU

American Sign Language 298 ††
Selected Topics in American Sign Language
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in American Sign Language not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Arts, Languages and Communication in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class. Pass/No Pass only.
Non-associate degree applicable

American Sign Language 299A †
Selected Topics in American Sign Language
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in American Sign Language not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Arts, Languages and Communication in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class.
Associate degree applicable

American Sign Language 299B †
Selected Topics in American Sign Language
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in American Sign Language not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Arts, Languages and Communication in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class.
Baccalaureate level-CSU transfer

Anthropology (ANTH)

Anthropology 120 †
Cultural Anthropology
3 units, 3 hours lecture
The nature of culture; cultural growth and history; survey of the range of cultural phenomena including material culture, social organization, kinship systems, religion, language and other topics. Systematic study of similarities and differences among cultures through investigation of selected societies.
Satisfies General Education for: Grossmont College D2; CSU D1 or D3; IGETC 4A
Transfers to: CSU, UC

Anthropology 125 †
Cultures of the World
3 units, 3 hours lecture
Presentation and discussion of the cultural patterns of a wide range of non-western peoples. Ethnographic field methods and analysis. Ways of organizing ethnographic data. This course is offered only when there is sufficient demand.
Satisfies General Education for CSU D1
Transfers to: CSU, UC

Anthropology 130 †
Introduction to Physical Anthropology
3 units, 3 hours lecture
An introduction to physical 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.
Satisfies General Education for: Grossmont College B1; CSU B2; IGETC 5B
Transfers to: CSU, UC

Anthropology 131 †
Physical Anthropology Laboratory
1 unit, 3 hours laboratory
Corequisite: *A "C" grade or higher or "Pass" or concurrent enrollment in Anthropology 130 or equivalent.*
A laboratory experience designed to reinforce and expand ideas introduced in Anthropology 130. Students will use physical anthropological methods and tools to solve problems in the areas of genetics, human variation, human osteology, primate biology and behavior, and human evolution.
Satisfies General Education for: Grossmont College B1; CSU B3; IGETC 5C
Transfers to: CSU. UC

Anthropology 140 †
Introduction to Archaeology
3 units, 3 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.
Satisfies General Education for: Grossmont College D2; CSU D1; IGETC 4A
Transfers to: CSU, UC

Anthropology 199
Special Studies or Projects in Anthropology
1-3 units, 3-9 hours
Prerequisite: *Consent of instructor.*
Individual study, research or projects in the field of anthropology under instructor guidance. Written reports and periodic conferences required. Content and unit credit to be determined by student/instructor conferences and/or division. May be repeated for a maximum of nine units.

Anthropology 215 †
(Psychology 215, Sociology 215)
Statistics for the Behavioral Sciences
3 units, 2 hours lecture, 3 hours laboratory
Prerequisite: *A "C" grade or higher in Mathematics 103 or 110 or equivalent.*
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.
Satisfies General Education for: Grossmont College A3; CSU B4; IGETC 2A
Transfers to: CSU, UC (credit limited: see page 39)

† This course meets all Title 5 standards for Associate Degree Credit.
†† This course meets all Title 5 standards for Nondegree Credit.

Anthropology 298 †† Selected Topics in Anthropology
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in anthropology not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of English and Social/Behavioral Sciences in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class. Pass/No Pass only.
Non-associate degree applicable

Anthropology 299A † Selected Topics in Anthropology
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in anthropology not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of English and Social/Behavioral Sciences in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class.
Associate degree applicable

Anthropology 299B † Selected Topics in Anthropology
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in anthropology not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of English and Social/Behavioral Sciences in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class.
Baccalaureate level-CSU transfer

Arabic (ARBC)

Arabic 120 † Arabic I
5 units, 5 hours lecture
An introductory course to the Arabic language and the culture of its speakers. The purpose of Arabic 120 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 modern standard Arabic as much as possible. While becoming familiar with the Arabic speaking world, students will learn structures that will enable them to function in Arabic in everyday contexts.
Satisfies General Education for: Grossmont College C2; CSU C2; IGETC 6A
Transfers to: CSU, UC

Arabic 121 † Arabic II
5 units, 5 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in Arabic 120 or two years of high school Arabic or equivalent.*
Arabic 121 is the continuation of Arabic 120. The course will continue to develop oral and written skills based on practical everyday needs. Students with three years of high school Arabic should enroll in Arabic 220.
Satisfies General Education for: Grossmont College C2; CSU C2; IGETC 3B
Transfers to: CSU, UC

Arabic 122 † Arabic for the Native Speaker I
5 units, 5 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, reading comprehension, and vocabulary building at the intermediate level in a cultural context. Exposure to the diversity within the cultures of the Arabic-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 Arabic. The course will be taught in Arabic.
Satisfies General Education for: Grossmont College C2; CSU C2
Transfers to: CSU, UC

Arabic 123 † Arabic for the Native Speaker II
5 units, 5 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in Arabic 122 or equivalent.*
This course is designed to help 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.
Satisfies General Education for: Grossmont College C2; CSU C2
Transfers to: CSU, UC

Arabic 148 † Language, Culture, and Literature of the Arab World
3 units, 3 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.
Satisfies General Education for: Grossmont College C1; CSU C2; IGETC 3B
Transfers to: CSU, UC

Arabic 196 A-B-C-D † Community Service Learning Experience
1 unit, 5 hours work experience per week
Prerequisite: *A "C" grade or higher or "Pass" in Arabic 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. For work experience requirements, see page 30.
Transfers to CSU

Arabic 199 Special Studies or Projects in Arabic
1-3 units, 3-9 hours
Prerequisite: *Consent of instructor.*
Individual study, research or projects in the field of Arabic under instructor guidance. Written reports and periodic conferences required. Content and unit credit to be determined by student/instructor conferences and/or division. May be repeated for a maximum of nine units.

Arabic 220 † Arabic III
5 units, 5 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in Arabic 121 or three years of high school Arabic or equivalent.*
Arabic 220 is the continuation of Arabic 121. The course will continue to develop oral, listening, reading and writing skills in order to acquire proficiency in Arabic. Students with four years of high school Arabic should enroll in Arabic 221.
Satisfies General Education for: Grossmont College C2; CSU C2; IGETC 3B
Transfers to: CSU, UC

† This course meets all Title 5 standards for Associate Degree Credit.
†† This course meets all Title 5 standards for Nondegree Credit.

Arabic 221 †
Arabic IV
5 units, 5 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in Arabic 220 or four years of high school Arabic or equivalent.*
Arabic 221 is the continuation of Arabic 220. The course will continue to develop oral, listening, reading and writing skills in order to improve proficiency in Arabic.
Satisfies General Education for: Grossmont College C2; CSU C2; IGETC 3B
Transfers to: CSU, UC

Arabic 250 †
Conversational Arabic I
3 units, 3 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in Arabic 121 or three years of high school Arabic or equivalent.*
The course will continue to develop oral, listening, reading and writing skills with emphasis on oral proficiency.
Satisfies General Education for: Grossmont College C2; CSU C2
Transfers to: CSU, UC

Arabic 251 †
Conversational Arabic II
3 units, 3 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in Arabic 250 or four years of high school Arabic or equivalent.*
The course will continue to develop at a higher level oral, listening, reading and writing skills with emphasis on oral proficiency.
Satisfies General Education for: Grossmont College C2; CSU C2
Transfers to: CSU, UC

Arabic 298 ††
Selected Topics in Arabic
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in Arabic not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Arts, Languages and Communication in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class. Pass/No Pass only.
Non-associate degree applicable

Arabic 299A †
Selected Topics in Arabic
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in Arabic not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Arts, Languages and Communication in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class.
Associate degree applicable

Arabic 299B †
Selected Topics in Arabic
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in Arabic not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Arts, Languages and Communication in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class.
Baccalaureate level-CSU transfer

Art (art)

Art 100 †
Art Appreciation
3 units, 3 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.
Satisfies General Education for: Grossmont College C3; CSU C1; IGETC 3A
Transfers to: CSU, UC

Art 120 †
Two-Dimensional Design
3 units, 2 hours lecture, 4 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.
Satisfies General Education for: Grossmont College C3; CSU C1
Transfers to: CSU, UC

Art 121 †
Painting I
3 units, 2 hours lecture, 4 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in Art 120 or equivalent.*
Emphasizes painting tools, materials, techniques and color principles. Students will develop skill in handling form, space, and plastic aspects of acrylic and/or oil paints.
Transfers to: CSU, UC

Art 124 †
Drawing I
3 units, 2 hours lecture, 4 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.
Satisfies General Education for: Grossmont College C3;
Transfers to: CSU, UC

Art 125 †
Drawing II
3 units, 2 hours lecture, 4 hours laboratory
Prerequisite: *Art 124.*
Drawing II stresses the media techniques and craftmanship 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.
Transfers to: CSU, UC

Art 126 †
Ceramics I
3 units, 2 hours lecture, 4 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.
Satisfies General Education for: Grossmont College C3; CSU C1
Transfers to: CSU, UC

† This course meets all Title 5 standards for Associate Degree Credit.
†† This course meets all Title 5 standards for Nondegree Credit.

Art 127 †
Ceramics II
3 units, 2 hour lecture, 4 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in Art 126 or equivalent.*
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.
Transfers to: CSU, UC

Art 128 †
Ceramics III
3 units, 2 hours lecture, 4 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in Art 127 or equivalent.*
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.
Transfers to: CSU, UC

Art 129 †
Three-Dimensional Design
3 units, 2 hours lecture, 4 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 studies 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.
Satisfies General Education for: Grossmont College C3;
Transfers to: CSU, UC

† This course meets all Title 5 standards for Associate Degree Credit.



Art 130 †
Sculpture I
3 units, 2 hours lecture, 4 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.
Satisfies General Education for: CSU C1, IGETC 3A
Transfers to: CSU, UC

Art 131 †
Jewelry Design I
3 units, 2 hours lecture, 4 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.
Transfers to CSU

Art 132 †
Jewelry Design II
3 units, 2 hours lecture, 4 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in Art 131 or equivalent.*
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 processes will be examined.
Transfers to CSU

Art 133 †
Jewelry Design III
3 units, 2 hours lecture, 4 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in Art 132 or equivalent.*
An advanced course continuing the development of skills achieved in Jewelry Design II. This course will emphasize new techniques and fabrication skills as well as development of personal aesthetics and design goals. New processes are introduced and will be explored through individually selected projects appropriate to meet the student's objectives.
Transfers to CSU

Art 136 †
Glaze Formulation
3 units, 2 hours lecture, 4 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in Art 126 or equivalent.*
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.
Transfers to CSU

Art 140 †
History of Western Art I: Pre-Historic to 1250 A.D.
3 units, 3 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, Egypt, the Aegean, Greece, Etruscan, and Roman times; Early Christian, Byzantine, Islamic, and Early Medieval periods; Romanesque; and Gothic.
Satisfies General Education for: Grossmont College C3; CSU C1; IGETC 3A
Transfers to: CSU, UC

Art 141 †
History of Western Art II: Circa 1250 A.D. to Present Time
3 units, 3 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.
Satisfies General Education for: Grossmont College C3; CSU C1; IGETC 3A
Transfers to: CSU, UC

Art 142 †
Art of Africa, Oceania and the Americas
3 units, 3 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.
Satisfies General Education for: Grossmont College C3; CSU C1; IGETC 3A
Transfers to: CSU, UC

Art 143 †
Modern Art
3 units, 3 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: Neo-Classism, Romanticism, Realism, Post-Impressionism, Symbolism, Art Nouveau, Fauvism, Cubism, Non-Objectivity, Expressionism, Dada, Surrealism, and Post WWII art forms in Europe and America.
Satisfies General Education for: Grossmont College C3; CSU C1; IGETC 3A
Transfers to: CSU, UC

Art 145 †
Contemporary Art History: 1945-Present
3 units, 3 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 includes art from: Abstract Expressionism, Pop-Art, Feminist Art, Photo Realism, Postmodernism including Neo-Expressionism, Performance Art and Conceptualism, Site-specific Installations and Environmental Art, Appropriation and New Media, global and local art movements collectively called Contemporary Art.
Satisfies General Education for: Grossmont College C3; CSU C1; IGETC 3A
Transfers to: CSU, UC

Art 146 †
Asian Art
3 units, 3 hours lecture
This course provides a select overview of art and architecture from India, Southeast Asia, China, Korea, and Japan, 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 Southeast Asia, 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.
Satisfies General Education for: Grossmont College C3; CSU C1; IGETC 3A
Transfers to: CSU, UC

Art 147 †
American Art
3 units, 3 hours lecture
This course provides a survey of periods, artwork, and architecture of the United States from 1600 to the present 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 Colonial, Federal, Romantic, American Renaissance, Early Modern, and Postwar Modern periods.
Satisfies General Education for: Grossmont College C3; CSU C1; IGETC 3A
Transfers to: CSU, UC

Art 171 †
Introduction to Digital Art
3 units, 2 hours lecture, 4 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.
Satisfies General Education for Grossmont College C3
Transfers to: CSU, UC

† This course meets all Title 5 standards for Associate Degree Credit.

Art 172 †
Interactive Media Art
3 units, 2 hours lecture, 4 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 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 immersive environments within the contexts of art, business and marketing, design, gaming, interactivity, the physical space as well as the forum of the web. Students are introduced to authoring techniques and technologies as they learn how to create and develop basic projects in which interactivity is the focus.
Transfers to CSU

Art 175 †
Digital Imaging and Art
3 units, 2 hours lecture, 4 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.
Transfers to CSU

Art 177 †
Digital Drawing and Painting
3 units, 2 hours lecture, 4 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.
Transfers to: CSU, UC

† This course meets all Title 5 standards for Associate Degree Credit.

Art 184 †
Drawing for Animation
3 units, 2 hours lecture, 4 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in Art 120 or Art 124 or equivalent.*
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, Drawing for Animation 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.
Transfers to CSU

Art 189 †
(Media Communication 189, Music 189, Theatre Arts 189)
Multimedia and the Creative Arts
3 units, 3 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.
Satisfies General Education for Grossmont College C3
Transfers to: CSU, UC (credit limited: see page 39)

Art 199
Special Studies or Projects in Art
1-3 units, 3-9 hours
Prerequisite: *Consent of instructor.*
Individual study, research or projects in the field of art under instructor guidance. A written course proposal must be prepared in advance by the student. Reports and periodic conferences are required. Objectives, content and unit credit to be determined by student and instructor with division approval prior to registration. May be repeated for a maximum of nine units.

Art 220 †
Painting II
3 units, 2 hours lecture, 4 hours laboratory
Prerequisite: *Art 121.*
Continuation of Painting I with emphasis on stylistic analysis and development of personal expression.
Transfers to: CSU, UC

Art 226 †
Ceramics IV
3 units, 2 hours lecture, 4 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in Art 128 or equivalent.*
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.
Transfers to: CSU, UC

Art 227 †
Ceramics Exhibition and Portfolio
3 units, 2 hours lecture, 4 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in Art 226 or equivalent.*
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.
Transfers to CSU

Art 229 †
Sculpture II
3 units, 2 hours lecture, 4 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in Art 130 or equivalent.*
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.
Transfers to: CSU, UC

Art 230 †
Figure Drawing I
3 units, 2 hours lecture, 4 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in Art 124 or equivalent.*
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.
Transfers to: CSU, UC

Art 231 †
Figure Drawing II
3 units, 2 hours lecture, 4 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in Art 230 or equivalent.*
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.
Transfers to: CSU, UC

Art 240 †
Drawing the Human Head
3 units, 2 hours lecture, 4 hours laboratory
Recommended Preparation: *A "C" grade or higher or "Pass" in Art 124 or equivalent.*
The investigation of the human head through portraiture is the basis for drawings of both representational and expressive styles. Students 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 history of portraiture will be examined as well as its aesthetic and cultural implications as a genre in society. The course examines how portraiture may express ideas about power, status, stages of life, gender, and identity and considers the many functions of portraiture as work of art, biography, document, commemoration and memorial.
Transfers to: CSU, UC

Art 280 †
Sculpture III: The Structure of Sculpture
3 units, 2 hours lecture, 4 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in Art 229 or equivalent.*
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.
Transfers to: CSU, UC

Art 281 †
Studio Workshop in Public Sculpture
3 units, 2 hours lecture, 4 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in Art 229 or equivalent.*
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.
Transfers to CSU

Art 282 †
Public Art Fabrication and Installation
3 units, 2 hours lecture, 4 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in Art 229 or equivalent.*
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.
Transfers to CSU

Art 283 A-B-C-D †
Foundry Technology and Equipment
2 units, 1.5 hours lecture, 2.5 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in Art 130 or equivalent.*
The practice, operation and fabrication of sculpture foundry equipment and casting production tools. Students will demonstrate their understanding of the course curriculum by participating in metal casting through the actual operation of furnaces and related foundry equipment. The course will offer students a rare opportunity to learn the theory and practice of refractory, burner and combustion safety systems indispensable to the production of contemporary sculpture. Students may wish to produce their own castings in conjunction with course activities.
Transfers to CSU

Art 298 ††
Selected Topics in Art
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Investigations not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Arts, Languages and Communication in relation to current needs and resources. May be offered in workshop, seminar, lecture, or laboratory format. Pass/No Pass only.
Non-associate degree applicable

Art 299A †
Selected Topics in Art
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Investigations not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Arts, Languages and Communication in relation to current needs and resources. May be offered in workshop, seminar, lecture, or laboratory format.
Associate degree applicable

† This course meets all Title 5 standards for Associate Degree Credit.
†† This course meets all Title 5 standards for Nondegree Credit.

Art 299B †
Selected Topics in Art
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Investigations not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Arts, Languages and Communication in relation to current needs and resources. May be offered in workshop, seminar, lecture, or laboratory format.
Baccalaureate level-CSU transfer

See Cross-Cultural Studies for Chicano/Chicana and Mexican Art (CCS 126) and Introduction to American Indian Art (CCS 134) on pages 153-154.

Astronomy (ASTR)

Astronomy 105 †
Practice in Observational Astronomy
1 unit, .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.
Transfers to CSU

Astronomy 110 †
Descriptive Astronomy
3 units, 3 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.
Satisfies General Education for: Grossmont College B2; CSU B1; IGETC 5A
Transfers to: CSU, UC

Astronomy 112 †
General Astronomy Laboratory
1 unit, 3 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" or concurrent enrollment in Astronomy 110 or Astronomy 120 or equivalent.*
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.
Satisfies General Education for: Grossmont College B2; CSU B3; IGETC 5C
Transfers to: CSU, UC

Astronomy 120 †
Exploration of the Solar System
3 units, 3 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.
Satisfies General Education for: Grossmont College B2; CSU B1; IGETC 5A
Transfer to: CSU, UC

Astronomy 199
Special Studies or Projects in Astronomy
1-3 units, 3-9 hours
Prerequisite: *Consent of instructor.*
Individual study, research or projects in the field of astronomy under instructor guidance. Written reports and periodic conferences required. Content and unit credit to be determined by student/instructor conferences and/or division. May be repeated for a maximum of nine units.

Astronomy 298 ††
Selected Topics in Astronomy
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in astronomy not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Mathematics, Natural Sciences, Exercise Science and Wellness in relation to community/student need(s) and/or available staff. May be offered as a seminar, lecture, or laboratory class. Pass/No Pass only.
Non-associate degree applicable

Astronomy 299A†
Selected Topics in Astronomy
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in astronomy not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Mathematics, Natural Sciences, and Exercise Science and Wellness in relation to community/student need(s) and/or available staff. May be offered as a seminar, lecture, or laboratory class.
Associate degree applicable

Astronomy 299B†
Selected Topics in Astronomy
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in astronomy not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Mathematics, Natural Sciences, and Exercise Science and Wellness in relation to community/student need(s) and/or available staff. May be offered as a seminar, lecture, or laboratory class.
Baccalaureate level-CSU transfer

Biological Sciences (BIO)

Biology 105 †
Life in the Sea
4 units, 3 hours lecture, 3 hours laboratory
Recommended Preparation: *A "Pass" grade in Mathematics 090 and a "C" grade or higher or "Pass" in English 110 or equivalent.*
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.
Satisfies General Education for: Grossmont College B1; CSU B2; IGETC 5B
Transfers to: CSU, UC

† This course meets all Title 5 standards for Associate Degree Credit.
†† This course meets all Title 5 standards for Nondegree Credit.

Biology 110 †
Environmental Biology
4 units, 3 hours lecture, 3 hours laboratory
Recommended Preparation: *A "Pass" grade in Math 090 or a "C" grade or higher or "Pass" in English 110 or equivalent.*
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.
Satisfies General Education for: Grossmont College B1; CSU B2; IGETC 5B
Transfers to: CSU, UC

Biology 112 †
Contemporary Issues in Environmental Resources
3 units, 3 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 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 lifestyles as possible solutions to existing environmental problems, as well as other means of solving or dealing with these situations.
Satisfies General Education for: Grossmont College B1; CSU B2; IGETC 5B
Transfers to: CSU, UC

Biology 113 †
Introduction to the Biotechnology Lab
2 units, 2 hours lecture, 1 hour 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. This course enhances the laboratory skills of students wishing to be employed by the biotechnology industry. This course is intended for a specific target population. It is not intended as a training course for employment in the biotechnology industry. The course represents the first step in an eight-week program, which has a lengthy application process.

Biology 114 †
Heredity, Evolution and Society
3 units, 3 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.
Satisfies General Education for Grossmont College B1; CSU B2; IGETC 5B
Transfers to: CSU, UC

Biology 118 †
Introduction to Human Biology
3 units, 3 hours lecture
An introduction to biological principles with a human perspective. Such basic areas as cell structure and function, the structure, function and adaptation of organism, cellular and population genetics, and ecosystem structure will be covered by utilizing the human species to develop an understanding of processes basic to all forms of life.
Satisfies General Education for: Grossmont College B1; CSU B2; IGETC 5B
Transfers to: CSU, UC

Biology 120 †
Principles of Biology
4 units, 3 hours lecture, 3 hours laboratory
Recommended Preparation: *A "Pass" grade in Mathematics 090 or equivalent and a "C" grade or higher or "Pass" in English 110 and Chemistry 115 or equivalent.*
A survey of the basic principles of biology. The unifying concepts of biology, such as cellular organization, plant and animal structure, metabolism, genetics, evolution and ecology, are discussed. The laboratory component of this course will be a laboratory experience which uses a lecture/laboratory instruction format designed to reinforce and augment the student's understanding of the basic principles of biology addressed in the lecture portion of the course.
Satisfies General Education for: Grossmont College B1; CSU B2; IGETC 5B
Transfers to: CSU, UC (credit limited: see page 39)

Biology 132 †
Mammals of the Sea
2 units, 2 hours lecture
Recommended Preparation: *A "C" grade or higher or "Pass" in Mathematics 090 and English 110 or equivalent.*
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.
Transfers to: CSU, UC

Biology 140 †
Human Anatomy
5 units, 3 hours lecture, 6 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in Biology 120 or equivalent.*
The student will examine the structure of the systems of the human body, with emphasis divided between gross anatomy and the cellular detail (histology) of tissues. The students will use the cat as a dissection specimen 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.
Satisfies General Education for: Grossmont College B1; CSU B2; IGETC 5B
Transfers to: CSU, UC (credit limited: see page 39)

Biology 141 †
Human Physiology
3 units, 3 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in Biology 120 or equivalent.*
Recommended Preparation: *A "C" grade or higher or "Pass" in Biology 140 or equivalent.*
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.
Satisfies General Education for: Grossmont College B1; CSU B2; IGETC 5B
Transfers to: CSU, UC (credit limited: see page 39)

† This course meets all Title 5 standards for Associate Degree Credit.

Biology 141L †
Laboratory in Human Physiology
1 unit, 3 hours laboratory
Prerequisite: *A "C" grade of higher or Pass in Biology 141 or equivalent or concurrent enrollment in Biology 141 or equivalent.*
A laboratory experience utilizing a lecture/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.
Satisfies General Education for: CSU B3; IGETC 5C
Transfer to CSU, UC (credit limited: see page 39)

Biology 142 †
Human Physiology Laboratory
2 units, 6 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in Biology 120 or equivalent.*
A laboratory experience utilizing a lecture/laboratory instruction format, designed to reinforce and expand the student's understanding of basic physiological principles.
Satisfies General Education for: Grossmont College B1; CSU B3; IGETC 5C
Transfers to: CSU, UC (credit limited: see page 39)

Biology 144 †
Anatomy and Physiology I
4 units, 3 hours lecture, 3 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in Biology 120 or equivalent.*
This course is a study of the following topics and human systems: introduction to biochemistry, the cell, tissues, bone, muscle, endocrine and nervous systems. The functions and interrelationships of these systems are studied. The course emphasizes the homeostatic nature of these systems with some reference to human disease states. The cat and sheep are the primary laboratory animals. This course is designed for students entering associate degree programs in nursing, respiratory therapy, cardiovascular technology and related health occupational fields. Majors in nursing and other paramedical areas seeking a baccalaureate degree should check for course equivalency with transfer institutions.
Satisfies General Education for: Grossmont College B1; CSU B2; IGETC 5B
Transfers to CSU, CU (credit limited: see page 39)

Biology 145 †
Anatomy and Physiology II
4 units, 3 hours lecture, 3 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in Biology 144 or equivalent.*
This course is a continuation of Biology 144, Anatomy and Physiology I. It is a study of the anatomy and physiology of the following systems: circulatory, respiratory, digestive, excretory and reproductive systems. The functions and interrelationships of these systems are studied. The course emphasizes the homeostatic nature of these systems with reference to human disease states. The cat and sheep are the primary laboratory animals. This course is designed for students entering associate degree programs in nursing, respiratory therapy, cardiovascular technology and related health occupational fields. Majors in nursing and other paramedical areas seeking a baccalaureate degree should check for course equivalency with transfer institutions.
Satisfies General Education for: Grossmont College B1; CSU B2; IGETC 5B
Transfers to CSU, UC (credit limited: see page 39)

Biology 150 †
(Geography 150, Geology 150, Oceanography 150)
Field Study of the Natural History of the Greater San Diego Region
3 units, 2 hours lecture, 3 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in Biology 110 or 120; or Geography 120 or 121 or 140; or Geology 110 or 111; or Oceanography 112 or equivalent.*
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.
Transfers to: CSU, UC (credit limited: see page 39)

Biology 152 †
Paramedical Microbiology
5 units, 3 hours lecture, 6 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in Biology 120 or equivalent.*
Recommended Preparation: *A "C" grade or higher or "Pass" in Chemistry 115 or equivalent.*
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.
Satisfies General Education for: Grossmont College B1; CSU B2, B3
Transfers to CSU

Biology 180 †
Ecology, Evolution and Biological Diversity
3 units, 3 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in Math 103or equivalent.*
Recommended Preparation: *A "C" grade or higher or "Pass" in a previous biology course such as Biology 120 or equivalent.*
This course IS NOT recommended for life science majors. This course surveys the general principles of biology at an advanced level. Emphasis is placed on the following topics: characteristics and phylogenetic classification of life, a survey of the physiological adaptations to aquatic and terrestrial environments, a comparison of the reproductive and development strategies utilized by various phylogenetic groups, a study of fundamental ecological principles, a survey of classical and population genetics, mechanisms of evolution and the evolutionary basis of species classification. It is suggested that students contact the anticipated transfer institution to ascertain specific transfer requirements that may be fulfilled by this course.
Satisfies General Education for: Grossmont College B1; CSU B2; IGETC 5B
Transfers to: CSU, UC

† This course meets all Title 5 standards for Associate Degree Credit.

Biology 199
Special Studies or Projects in Biology
1-3 units, 3-9 hours
Prerequisite: Consent of instructor. Individual study, research or projects in the field of biology under instructor guidance. Written reports and periodic conferences required. Content and unit credit to be determined by student/instructor conferences and/or division. May be repeated for a maximum of nine units.

Biology 215 †
Statistics for Life Sciences
3 units, 2 hours lecture, 3 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in Mathematics 110 and Biology 120 or equivalent.*
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.
Satisfies General Education for: Grossmont College A3; CSU B4; IGETC 2A
Transfers to: CSU, UC (credit limited: see page 39)

Biology 230 †
Principles of Cellular, Molecular and Evolutionary Biology
4 units, 4 hours lecture, 2 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in Chemistry 141 or equivalent.*
Recommended Preparation: *A "C" grade or higher or "Pass" in Biology 120 and English 110 or equivalent.*
This course surveys the general principles of biology at an advanced level. Emphasis is placed on the following topics: cellular processes including energy metabolism, membrane transport and cell cycle/cell division; molecular genetics including 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.
Satisfies General Education for Grossmont College B1; CSU B2; IGETC 5B
Transfers to: CSU, UC

Biology 240 †
Principles of Ecology, Evolution and Organismal Biology
5 units, 4 hours lecture, 3 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in Mathematics 110 or equivalent.*
Recommended Preparation: *A "C" grade or higher or "Pass" in Biology 120 and English 110 or equivalent.*
This course along with Biology 230 is the recommended biology sequence for life science majors. This course 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 systematic and diversity of prokaryotes, protists, 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.
Satisfies General Education for: Grossmont College B1; CSU B2; IGETC 5B
Transfers to: CSU, UC

Biology 298 ††
Selected Topics in Biology
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in biology not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Mathematics, Natural Sciences, Exercise Science and Wellness in relation to a community/student need(s) and/or available staff. May be offered as a seminar, lecture or laboratory class. Pass/No Pass only.
Non-associate degree applicable

Biology 299A †
Selected Topics in Biology
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in biology not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Mathematics, Natural Sciences, Exercise Science and Wellness in relation to a community/student need(s) and/or available staff. May be offered as a seminar, lecture or laboratory class.
Associate degree applicable

Biology 299B †
Selected Topics in Biology
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in biology not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Mathematics, Natural Sciences, Exercise Science and Wellness in relation to a community/student need(s) and/or available staff. May be offered as a seminar, lecture or laboratory class.
Baccalaureate level-CSU transfer

Business (BUS)

Business 109 †
(Business Office Technology 109)
Elementary Accounting
3 units, 3 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.)
Transfers to CSU

Business 110 †
Introduction to Business
3 units, 3 hours lecture
This course provides a comprehensive view of today's dynamic American business and the global economy. Specific topics include starting a small business, satisfying customers, managing operation, motivating employees and building self-managed teams, developing and implementing customer-oriented marketing plans, managing information, managing financial resources and exploring ethical and social responsibilities of American business.
Transfers to: CSU, UC

† This course meets all Title 5 standards for Associate Degree Credit.
†† This course meets all Title 5 standards for Nondegree Credit.

Business 115 †
Human Relations in Business
3 units, 3 hours lecture
The human aspects of the organization and the role of the individual within the organization. The course will look at learning styles, motivation theories, personality theories, communication, group dynamics, leadership, ethics and diversity.
Transfers to CSU

Business 118 †
Retail Management
3 units, 3 hours lecture
A survey course in the management of retail businesses, including store operating practices, layout, inventory, buying, retail mathematics and supervision of personnel.
Transfers to CSU

Business 120 †
Financial Accounting
4 units, 4 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.
Transfers to: CSU, UC

Business 121 †
Managerial Accounting
4 units, 4 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in Business 120 or equivalent.*
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.
Transfers to: CSU, UC

† This course meets all Title 5 standards for Associate Degree Credit.

Business 123 A-B-C-D †
Accounting Internship
2 units, 10 hours work experience per week
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. For work experience requirements, see page 30.
Transfers to CSU

Business 125 †
Business Law: Legal Environment of Business
3 units, 3 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.
Transfers to: CSU, UC

Business 128 †
Business Communication
3 units, 3 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in English 110 or equivalent.*
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.
Transfers to CSU

Business 131 †
Introduction to Transportation
3 units, 3 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.
Transfers to CSU

Business 133 †
Direct Mail Marketing
3 units, 3 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.
Transfers to CSU

Business 137 A-B-C-D †
Marketing Internship
3 units, 15 hours work experience per week
A work experience course to enable the marketing student to gain practical experience in a marketing-oriented organization and to apply knowledge gained in other marketing courses. For work experience requirements, see page 30.
Transfers to CSU

Business 140 †
Entrepreneurship: Developing a Business Plan
3 units, 3 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.
Transfers to CSU

Business 141 †
Entrepreneurship: Managing a New Business
3 units, 3 hours lecture
This course is designed to help the student apply theories of marketing, management, personnel, finance and production to problems encountered daily in managing a business. The focus of the course will be on practical solutions to common business management problems.
Transfers to CSU

Business 142 †
Personal Selling and Persuasion
3 units, 3 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.
Transfers to CSU

Business 144 †
Advertising
3 units, 3 hours lecture
A basic course in the study of advertising, and its role as a marketing tool. Media scripts, newspapers, magazines, radio, television, outdoor, point-of-purchase, and direct mail and e-commerce will be covered. Copy-writing, art and layout, mechanical production, and planning will be discussed.
Transfers to CSU

Business 146 †
Marketing
3 units, 3 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.
Transfers to CSU

Business 147 †
(Computer Science Information Systems 147)
Internet Marketing
3 units, 3 hours lecture
Recommended Preparation: *A "C" grade or higher or "Pass" in Business 146 and CSIS 133 or equivalent.*
This course will provide students with skills on how to achieve online marketing success and how to integrate their Web presence with off-line traditional marketing methods. The course will provide students with a basic working knowledge of methods used to help drive traffic to a web site, how to attract visitors and turn those visitors into customers. Search engine optimization, search engine marketing, social media marketing, affiliate marketing, directory submission, and email marketing will be examined. Students will learn how to employ market research, acquire traffic, and how to track visitor trends.
Transfers to CSU

Business 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.
Transfers to CSU

Business 152 †
Business Mathematics
2 units, 2 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.
Transfers to CSU

Business 155 †
Human Resources Management
3 units, 3 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.
Transfers to CSU

Business 156 †
Principles of Management
3 units, 3 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.
Transfers to CSU

Business 158 †
Introduction to Hospitality and Tourism Management
3 units, 3 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.
Transfers to CSU

Business 159 A-B-C-D †
Management Internship
3 units, 15 hours work experience per week
A work experience course to enable management students to gain practical experience in an organization and to apply knowledge gained in other business courses. For work experience requirements, see page 30.
Transfers to CSU

Business 160 †
Hospitality Managerial Accounting and Controls
3 units, 3 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in Business 121 or equivalent.*
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.
Transfers to CSU

Business 176 †
(Business Office Technology 176, Computer Science Information Systems 176)
Computerized Accounting Applications
2 units, 2 hours lecture
Recommended Preparation: *A "C" grade or higher or "Pass" or concurrent enrollment in Business/Business Office Technology 109 or Business 120.*
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.
Transfers to CSU

† This course meets all Title 5 standards for Associate Degree Credit.

Business 195 †
Personal Finance
3 units, 3 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.
Satisfies General Education for CSU E
Transfers to CSU

Business 199
Special Studies or Projects in Business
1-3 units, 3-9 hours
Prerequisite: *Consent of instructor.*
Individual study, research or projects in the field of business under instructor guidance. Written reports and periodic conferences required. Content and unit credit to be determined by student/instructor conferences and/or division. May be repeated for a maximum of nine units.

Business 229 †
Property and Liability Insurance
3 units, 3 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.
Transfers to CSU

Business 231 †
Legal Office Procedures II
3 units, 3 hours lecture
Prerequisite: *Business 228.*
Recommended Preparation: *Some form of professional note-taking skill recommended.*
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.
Transfers to CSU

Business 233 †
Personal Insurance
3 units, 3 hours lecture
Recommended Preparation: *Business 229 or equivalent insurance industry experience.*
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.
Transfers to CSU

Business 234 †
Commercial Insurance
3 units, 3 hours lecture
Recommended Preparation: *Business 229 or equivalent insurance industry experience.*
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.
Transfers to CSU

Business 235 †
Delivering Insurance Services
3 units, 3 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.
Transfers to CSU

Business 250 †
Introduction to International Business
3 units, 3 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.
Transfers to CSU

Business 251 †
Import/Export Procedures
2 units, 2 hours lecture
An in-depth examination of import/export techniques, terminology, methods of payment and collection, insurance and bonds, customs regulations and tariffs, Department of Commerce aids, export quotations and landed cost analysis.
Transfers to CSU

Business 252 †
Global Sourcing, Buying and Manufacturing
1.5 units, 1.5 hours lecture
A course on locating and obtaining goods and services used for international trade. Sourcing on the Internet, the national Trade Data Bank and other computer-aided techniques for locating goods and trading partners are covered. Contracts, shipping terms and methods of payment are reviewed. The use of contract or offshore manufacturing facilities such as maquiladoras is discussed.
Transfers to CSU

Business 253 †
International Marketing: Expanding Exports
3 units, 3 hours lecture
A course which examines the economic, legal, political, competitive and cultural environments of foreign markets in order to design appropriate products, establish price and develop promotion strategies to effectively reach those markets. Special focus is on preparing small to medium enterprises to compete abroad. Starting your own export management company is covered.
Transfers to CSU

Business 256 †
International Financial Transactions
2 units, 2 hours lecture
This course surveys the international monetary system as it affects import and export. Students will learn about letters of credit, drafts and other banking documents used in foreign commerce. They will also examine foreign exchange rates, financing of international trade, methods of reducing financial risk and services provided by an international banker.
Transfers to CSU

Business 257 †
International Transportation
1.5 units, 1.5 hours lecture
This course deals with all aspects of international freight forwarding as utilized by an importer or an exporter. Domestic transportation is described as it relates to export and import shipments. All modes of transportation are explored; ocean, air, rail and truck. Quoting air and ocean shipments is covered, as well as auditing freight invoices and negotiating rates with freight forwarders.
Transfers to CSU

Business 258 †
The Cultural Dimensions in International Business
3 units, 3 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.
Transfers to CSU

† This course meets all Title 5 standards for Associate Degree Credit.



Business 265 A-B-C-D †
Internship in International Business
1 unit, 5 hours work experience per week
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. For work experience requirements, see page 30.
Transfers to CSU

Business 266 †
Internship in International Business
2 units, 10 hours work experience per week
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. For work experience requirements, see page 30.
Transfers to CSU

Business 267 †
Internship in International Business
3 units, 15 hours work experience per week
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. For work experience requirements, see page 30.
Transfers to CSU

Business 298††
Selected Topics in Business
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in business not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Career and Technical Education/Workforce Development in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class. Pass/No Pass only.
Non-associate degree applicable

Business 299A†
Selected Topics in Business
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in business not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Career and Technical Education/Workforce Development in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class.
Associate degree applicable

Business 299B†
Selected Topics in Business
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in business not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Career and Technical Education/Workforce Development in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class.
Baccalaureate level-CSU transfer

Business Office Technology (BOT)

Business Office Technology 086 ††
Essential Skills for Workplace Success
4 units, 4 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)

Business Office Technology 094 ††
Practical Internet Basics
.5 units, 1.5 hours laboratory
This course will enable a student to use the Internet, including understanding basics such as searching and navigating the Internet and accessing e-mail. It will also introduce the student to the concepts of downloading files, using and organizing bookmarks and favorites. This course is offered on a Pass/No Pass basis only. (Nondegree credit course)

Business Office Technology 095 ††
Keyboarding Skill Reinforcement
1 unit, 3 hours laboratory
This course is designed for students who have completed a basic keyboarding course and desire to reinforce their skills before advancing to the next level of keyboarding. The course begins with a keyboard review, then progresses to practice and timings designed to improve keyboarding speed and accuracy. This course is offered on a Pass/No Pass basis only. (Nondegree credit course)

† This course meets all Title 5 standards for Associate Degree Credit.
†† This course meets all Title 5 standards for Nondegree Credit.

Business Office Technology 096 ††
Computer Basics for the Office
1 unit, .5 hour lecture, 1.5 hours laboratory
Recommended Preparation:
BOT/CSIS 100 or equivalent and English 105 or equivalent reading level.
This course is designed to give students with little or no computer experience the basic information and skills needed to operate a computer efficiently in an office environment. Content includes an overview of components of a computer system hardware and software, proficiency in using a mouse, storing information, using the Internet and purchasing and maintaining a computer. It is recommended that students complete a basic keyboarding course prior to enrolling in this course. This course is offered on a Pass/No Pass basis only. (Nondegree credit course)

Business Office Technology 097 ††
Windows Basics for the Office
1 unit, .5 hour lecture, 1.5 hours laboratory
Recommended Preparation:
BOT/CSIS 100 or equivalent. BOT/CSIS 096 or concurrent enrollment or equivalent, and English 105 or equivalent reading level.
This course is designed for students with little or no computer experience. Students will learn to use the Windows operating system efficiently to create and manage files and folders. This course is offered on a Pass/No Pass basis only. (Nondegree credit course)

Business Office Technology 100 †
(Computer Science Information Systems 100)
Basic Keyboarding
1 unit, 3 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, development of touch skills on the 10-key pad, understanding of basic vocabulary and concepts used in keyboarding operations for inputting and retrieving information, and composition at the keyboard. For students with physical disabilities that may impair proficiency, emphasis will be on quality of output instead of speed, and on the use of alternative input devices.
Transfers to CSU

† This course meets all Title 5 standards for Associate Degree Credit.
†† This course meets all Title 5 standards for Nondegree Credit.

Business Office Technology 101 †
Keyboarding/Document Processing
3 units, 1.5 hours lecture, 4.5 hours laboratory
Recommended Preparation: *A "C" grade or higher or "Pass" in BOT/CSIS 100 or equivalent. English 105 or equivalent reading level.*
This is a course for students wishing to integrate touch keyboarding techniques with basic text processing operations. Students will use Microsoft Word software to produce correctly formatted and accurate business documents, including letters, reports, and tables. In addition to the alphabetic keyboard, students will learn to use the 10-key pad for numeric data entry. Students will also use keyboarding software to build speed and accuracy.
Transfers to CSU

Business Office Technology 101A †
Keyboarding/Document Processing
1.5 units, .8 hours lecture, 2.2 hours laboratory
Recommended Preparation: *A "C" grade or higher or "Pass" in BOT/CSIS 100 or equivalent. English 105 or equivalent reading level.*
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.
Transfers to CSU

Business Office Technology 101B †
Keyboarding/Document Processing
1.5 units, .8 hours lecture, 2.2 hours laboratory
Recommended Preparation: *BOT 101A or equivalent and English 105 or equivalent reading level.*
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.
Transfers to CSU

Business Office Technology 102 †
Intermediate Keyboarding/ Document Processing
3 units, 1.5 hours lecture, 4.5 hours laboratory
Recommended Preparation: *BOT 101 or BOT 101A and BOT 101B or equivalent.*
A continuation course in keyboarding for those students who wish to increase their keyboarding skill. Students will continue to learn to use Microsoft Word to produce correctly formatted documents. 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 wpm on a five-minute timed writing.
Transfers to CSU

Business Office Technology 102A †
Intermediate Keyboarding/ Document Processing I
1.5 units, .8 hours lecture, 2.2 hours laboratory
Recommended Preparation: *A "C" grade or higher or "Pass" in BOT 101, or 101A and 101B, or equivalent.*
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 five-minute timing. Not open to students with credit in Business Office Technology 102.
Transfers to CSU

Business Office Technology 102B †
Intermediate Keyboarding/ Document Processing II
1.5 units, .8 hours lecture, 2.2 hours laboratory
Recommended Preparation: *A "C" grade or higher or "Pass" in BOT 102A.*
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 five-minute timed writing. Not open to students with credit in Business Office Technology 102.
Transfers to CSU

Business Office Technology 103A †
Building Keyboarding Skill I
.5 unit, 1.5 hours laboratory
Recommended Preparation: *BOT/CSIS 100 or equivalent.*
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 and a minimum rate of 20 net words per minute on a five-minute timed writing. Students keying at a lower rate should enroll in Business Office Technology 095.
Transfers to CSU

Business Office Technology 103B †
Building Keyboarding Skill II
.5 unit, 1.5 hours laboratory
Recommended Preparation: *BOT 103A or equivalent.*
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 five-minute timed writing. Students keying at a lower rate should enroll in Business Office Technology 103A.
Transfers to CSU

Business Office Technology 103C †
Building Keyboarding Skill III
.5 unit, 1.5 hours laboratory
Recommended Preparation: *BOT 103B or equivalent.*
This is a continuation course in building keyboarding speed and accuracy. Entering students should be keying by touch at a minimum rate of 40 net words per minute on a five-minute timed writing. Students keying at a lower rate should enroll in Business Office Technology 103B.
Transfers to CSU

Business Office Technology 104 †
Filing and Records Management
1 unit, .5 hour lecture, 1.5 hours laboratory
Recommended Preparation: *English 105 or equivalent.*
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.
Transfers to CSU

Business Office Technology 105 †
Data Entry Skills
1 unit, .5 hour lecture, 1.5 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in BOT /CSIS 100 or equivalent.*
Recommended Preparation: *BOT/CSIS 096.*
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.
Transfers to CSU

Business Office Technology 106 †
Effective Job Search
1 unit, 1 hour 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.
Transfers to CSU

Business Office Technology 107 †
Office Systems and Procedures
2 units, 2 hours lecture
Recommended Preparation: *BOT/CSIS 096 and 097, BOT 101 or 101A and 101B, or equivalent or concurrent enrollment. English 105 or equivalent reading level.*
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.
Transfers to CSU

Business Office Technology 108 †
Using Calculators to Solve Business Problems
1 unit, .5 hour lecture, 1.5 hours laboratory
Recommended Preparation: *English 105 or equivalent reading level.*
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.
Transfers to CSU

Business Office Technology 109 †
(Business 109)
Elementary Accounting
3 units, 3 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.)
Transfers to CSU

Business Office Technology 110 †
Business English and Communication
3 units, 3 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.
Transfers to CSU

Business Office Technology 111 †
Virtual Assistant
2 units, 2 hours lecture
Recommended Preparation: *BOT 100 or 103A and 103B and 107.*
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.
Transfers to CSU

† This course meets all Title 5 standards for Associate Degree Credit.

Business Office Technology 112 †
Business Office Correspondence and Office Professionalism
3 units, 3 hours lecture
Corequisite: *BOT 114 and 115.*
This 8-week course provides comprehensive and valuable guidelines for creating general business correspondence used in office occupations, including spelling, vocabulary, letter writing, and developing a marketable resume and cover letter. It touches upon the continuous process of career planning and networking when resume and cover letter writing is discussed. In addition, the course examines office professionalism and productivity, introducing students to various office equipment and its appropriate use. This course is intended for Business Office Technology majors.
Transfers to CSU

Business Office Technology 114 †
Essential Word
1 unit, .5 hour lecture, 1.5 hours laboratory
Recommended Preparation:
BOT/CSIS 096 and 097, BOT 101 or 101A and 101B or equivalent, and English 105 or equivalent reading level.
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.
Transfers to CSU

Business Office Technology 115 †
Essential Excel
1 unit, .5 hour lecture, 1.5 hours laboratory
Recommended Preparation:
BOT/CSIS 096, 097 and 100 or equivalent, and English 105 or equivalent reading level.
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 Computer Science Information Systems 175 or Business Office Technology/Computer Science Information Systems 123, 124 and 125. Not open to students with credit in Business Office Technology/Computer Science Information Systems 124 or 125.
Transfers to CSU

Business Office Technology 116 †
Essential Access
1 unit, .5 hour lecture, 1.5 hours laboratory
Recommended Preparation:
BOT/CSIS 096, 097 and 100 or equivalent, and English 105 or equivalent reading level.
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/Computer Science Information Systems 174 or Business Office Technology/Computer Science Information Systems 126, 127 and 128. Not open to students with credit in Business Office Technology/Computer Science Information Systems 127 or 128.
Transfers to CSU

Business Office Technology 117 †
Essential PowerPoint
1 unit, .5 hour lecture, 1.5 hours laboratory
Recommended Preparation:
BOT/CSIS 096 and 097 or equivalent, BOT 114 or equivalent, and English 105 or equivalent reading level.
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/Computer Science Information Systems 177 or Business Office Technology/Computer Science Information Systems 129, 130 and 131. Not open to students with credit in Business Office Technology/Computer Science Information Systems 130 or 131.
Transfers to CSU

Business Office Technology 118 †
Integrated Office Projects
1 unit, 3 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in BOT 102, 107, 115, 116, and 117 or equivalent.*
Recommended Preparation: *English 105 or equivalent reading level.*
This capstone course is designed for Business Office Technology majors who have completed prerequisite courses in all applications of the Microsoft Office suite (Word, Excel, Access, and PowerPoint) and have keyboarding skills of minimum 40 net words per minute. Students will apply their skills to complete projects which integrate these applications. Students will also use the Internet to complete projects.
Transfers to CSU

Business Office Technology 120 †
Comprehensive Word, Level I
1 unit, .5 hour lecture, 1.5 hours laboratory
Recommended Preparation:
BOT/CSIS 096 and 097 or equivalent, BOT 101 or 101A and 101B or equivalent, and English 105 or equivalent reading level.
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.
Transfers to CSU

† This course meets all Title 5 standards for Associate Degree Credit.

Business Office Technology 121 †
Comprehensive Word, Level II
1 unit, .5 hour lecture, 1.5 hours laboratory
Recommended Preparation:
BOT/CSIS 120 or equivalent.
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.
Transfers to CSU

Business Office Technology 122 †
Comprehensive Word, Level III
1 unit, .5 hour lecture, 1.5 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in BOT/CSIS 121 or equivalent.*
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.
Transfers to CSU

Business Office Technology 123 †
Comprehensive Excel, Level I
1 unit, .5 hour lecture, 1.5 hours laboratory
Recommended Preparation:
BOT/CSIS 096, 097 and 100 or equivalent.
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.
Transfers to CSU

Business Office Technology 124 †
Comprehensive Excel, Level II
1 unit, .5 hour lecture, 1.5 hours laboratory
Recommended Preparation:
BOT/CSIS 123 or equivalent.
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.
Transfers to CSU

Business Office Technology 125 †
Comprehensive Excel, Level III
1 unit, .5 hour lecture, 1.5 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in BOT/CSIS 124 or equivalent.*
This is the third level in a three-level course sequence designed to give students thorough coverage of most features of Microsoft Excel. 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 281, Preparing for Performance Examinations in Microsoft Excel, prior to taking the examination.
Transfers to CSU

Business Office Technology 126 †
Comprehensive Access, Level I
1 unit, .5 hour lecture, 1.5 hours laboratory
Recommended Preparation:
BOT/CSIS 096, 097, 100 and BOT 116 or equivalent, and English 105 or equivalent reading level.
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.
Transfers to CSU

Business Office Technology 127 †
Comprehensive Access, Level II
1 unit, .5 hour lecture, 1.5 hours laboratory
Recommended Preparation:
BOT/CSIS 126 or equivalent.
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.
Transfers to CSU

Business Office Technology 128 †
Comprehensive Access, Level III
1 unit, .5 hour lecture, 1.5 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in BOT/CSIS 127 or equivalent.*
This course is the third in a three-level course sequence designed to give students thorough coverage of most features of Microsoft Access. 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 282 prior to taking the examination.
Transfers to CSU

Business Office Technology 129 †
Comprehensive PowerPoint, Level I
1 unit, .5 hour lecture, 1.5 hours laboratory
Recommended Preparation: *BOT 101, 114 and BOT/CSIS 120 or equivalent, and English 105 or equivalent reading level.*
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.
Transfers to CSU

Business Office Technology 130 †
Comprehensive PowerPoint, Level II
1 unit, .5 hour lecture, 1.5 hours laboratory
Recommended Preparation:
BOT/CSIS 129 or equivalent.
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.
Transfers to CSU

† This course meets all Title 5 standards for Associate Degree Credit.

Business Office Technology 131 †
Comprehensive PowerPoint, Level III
1 unit, .5 hour lecture, 1.5 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in BOT/CSIS 130 or equivalent.*
This course is the third in a three-level course sequence designed to give students thorough coverage of most features of Microsoft PowerPoint. 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 283 prior to taking the examination.
Transfers to CSU

Business Office Technology 150 †
Using Microsoft Publisher
1 unit, .5 hour lecture, 1.5 hours laboratory
Recommended Preparation: *BOT 101 and 121 or equivalent.*
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.
Transfers to CSU

Business Office Technology 151 †
Using Microsoft Outlook
1 unit, .5 hour lecture, 1.5 hours laboratory
Recommended Preparation:
BOT/CSIS 096 and 097, BOT 101, BOT 114 or BOT/CSIS 120 or equivalent.
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.
Transfers to CSU

Business Office Technology 153†
Introduction to Banking and Financial Services
3 units, 3 hours lecture
This course will provide a working knowledge of the basics necessary to begin a financial services career in a bank, credit union, or other financial services company. Course content includes the principles of cash handling, the check processing cycle, sales techniques, and legal/regulatory and ethical/confidentiality issues. In addition, this course will enable students to evaluate the credit worthiness of an applicant for a personal loan and demonstrate customer-service based selling techniques.
Transfers to CSU

Business Office Technology 160 †
Speech Recognition Applications
1 unit, 1 hour lecture, 1 hour 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.
Transfers to: CSU

Business Office Technology 161 †
Medical Terminology
3 units, 3 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.
Transfers to CSU

Business Office Technology 163 †
Introduction to Basic Insurance Principles
3 units, 3 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.
Transfers to CSU

Business Office Technology 164 †
Computer Software for the Insurance Industry
2 units, 2 hours lecture
Recommended Preparation: *A "C" grade or higher or "Pass" or concurrent enrollment in BOT 163 or equivalent insurance industry experience.*
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.
Transfers to CSU

Business Office Technology 165 †
Medical Insurance Billing
4.5 units, 4 hours lecture, 2 hours laboratory
Recommended Preparation: *A "C" grade or higher or "Pass" in BOT 102 and 161 or equivalent. May be concurrently enrolled in BOT 161.*
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.
Transfers to CSU

Business Office Technology 167 †
Medical Coding
4 units, 4 hours lecture, 1 hour laboratory
Recommended Preparation: *A "C" grade or higher or "Pass" in BOT 161 and 165 or equivalent.*
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.
Transfers to CSU

† This course meets all Title 5 standards for Associate Degree Credit.

Business Office Technology 170 †
Medical Office Procedures
6 units, 6 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" or concurrent enrollment in BOT 161 or equivalent.*
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.
Transfers to CSU

Business Office Technology 171 †
Microcomputer Business Applications Lab
1 unit, 3 hours laboratory
Corequisite: *Concurrent enrollment in BOT/CSIS 172.*
This lab is highly recommended for all students enrolled in Business Office Technology/Computer Science Information Systems 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/Computer Science Information Systems 172.
Transfers to CSU

Business Office Technology 172 †
(Computer Science Information Systems 172)
Introduction to Microcomputer Applications
2 units, 2 hours lecture
Recommended Preparation: *CSIS 105 or 110 or BOT 096 and 097 and the ability to type 25 words per minute verified by a typing certificate or BOT 100 or 101 or CSIS 100.*
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.
Transfers to CSU

Business Office Technology 176 †
(Business 176, Computer Science Information Systems 176)
Computerized Accounting Applications
2 units, 2 hours lecture
Recommended Preparation: *A "C" grade or higher or "Pass" or concurrent enrollment in BUS/BOT 109 or Business 120.*
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.
Transfers to CSU

Business Office Technology 179 †
Computerized Accounting Lab
1 unit, 3 hours laboratory
Corequisite: *BOT/BUS/CSIS 176.*
Supervised laboratory practice to enhance computer skills in subject areas included in Business/Business Office Technology/Computer Science Information Systems 176. Use of integrated general accounting software for completion of projects assigned in Computerized Accounting Applications class.
Transfers to CSU

Business Office Technology 199
Special Studies or Projects in Business Office Technology
1-3 units, 3-9 hours
Prerequisite: *Consent of instructor.*
Individual study, research or projects in the field of business office technology under instructor guidance. Written reports and periodic conferences required. Content and unit credit to be determined by student/instructor conferences and/or division. May be repeated for a maximum of nine units.

Business Office Technology 201 †
Advanced Keyboarding/ Document Processing
3 units, 1.5 hours lecture, 4.5 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in BOT 102 or equivalent.*
Advanced Keyboarding/Document Processing is a course for the further development of keyboarding skill to meet professional placement requirements. Students will use intermediate and advanced features of Microsoft Word software to create complex business documents with minimum instruction. Students will use computer software for building speed and accuracy on five-minute timed writings to attain the speed and accuracy required for professional office positions.
Transfers to CSU

Business Office Technology 203 †
Office Project Coordination
1 unit, 3 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in BOT/CSIS 122, 125, 128, 131 and BOT 151 or equivalent.*
This capstone course gives students who have comprehensive knowledge of Word, Excel, Access, PowerPoint, and Microsoft Outlook the opportunity to integrate those skills by assuming responsibility for completing a given project from inception to completion.
Transfers to CSU

Business Office Technology 216 †
Introduction to Medical Transcription
3 units, 2 hours lecture, 3 hours laboratory
Recommended Preparation: *BOT 103B and BOT 114 and BOT 161 or equivalent.*
A course designed to introduce students to the medical transcription/healthcare documentation field. The course includes the use of word processing software and transcription equipment to prepare medicolegal documentation and provide a background into industry best practices. The course is appropriate for those pursuing a career in medical transcription/healthcare documentation, those currently working in medical settings who wish to upgrade their skills, or those considering other allied health careers.
Transfers to CSU

Business Office Technology 219 †
Healthcare Documentation I
4 units, 2 hours lecture, 6 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in BOT 103C and BOT 114 and BOT 161 and BOT 216 or equivalent.*
Recommended Preparation: *BOT 115 or equivalent.*
This course is the first of two designed for students who wish to pursue a career as a healthcare documentation/ medical transcription professional. The course builds transcription skills utilizing a multi-body-system approach and covers such specialties as dermatology/ plastic surgery; gastrointestinal; cardiopulmonary; ear, nose and throat; ophthalmology; and pediatrics. Completion of both courses prepares students for employment in a physician's office, small clinic, or group practice settings and builds a strong foundation toward working in the acute-care setting or other allied health careers.
Transfers to CSU

† This course meets all Title 5 standards for Associate Degree Credit.

Business Office Technology 220 †
Healthcare Documentation II
4 units, 2 hours lecture, 6 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in BOT 219 or equivalent.*
Recommended Preparation: *BOT 115 or equivalent.*
This course is the second in a series designed for students who wish to pursue a career as a healthcare documentation professional. The course builds transcription skills utilizing a multi-body-system approach and covers such specialties as genitourinary, obstetrics/gynecology, orthopedics, neuropsychiatry, hematology, oncology and immunology. Completion of Healthcare Documentation I and II prepares the student for employment in a physician's office, small clinic or group practice sites and builds a strong foundation toward working in the acute-care or at-home setting.
Transfers to CSU

Business Office Technology 223 †
Office Work Experience
1 unit, 5 hours work experience per week
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. For work experience or field experience requirements, see page 30.
Transfers to CSU

Business Office Technology 224 †
Office Work Experience
2 units, 10 hours work experience per week
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. For work experience or field experience requirements, see page 30.
Transfers to CSU

Business Office Technology 225 †
Office Work Experience
3 units, 15 hours work experience per week
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. For work experience or field experience requirements, see page 30.
Transfers to CSU

Business Office Technology 229 †
Healthcare Documentation III
4 units, 2 hours lecture, 6 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in BOT 220 or equivalent.*
Recommended Preparation: *A "C" grade or higher or "Pass" or concurrent enrollment in BIO 140.*
This course is the third semester in a series designed to prepare students to meet workforce needs, to evolve with industry standards and to adapt with market force changes in clinical documentation. Surgical techniques and operative reports organized by medical specialty and in-depth laboratory and diagnostic procedures are emphasized.
Transfers to CSU

Business Office Technology 230 †
Healthcare Documentation IV
4 units, 2 hours lecture, 6 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in BOT 229 or equivalent.*
This course is the fourth semester completing the series designed to prepare students to meet workforce needs, to evolve with industry standards and to adapt with market force changes in clinical documentation. The advanced transcription practice develops proficiency in task completion and broadens exposure to vocabulary, work types and industry standards used in health information exchange. Completion of this course prepares the student to sit for the Registered Medical Transcriptionist (RMT) exam which quantifies the knowledge base of a Level I medical transcriptionist.
Transfers to: CSU

Business Office Technology 280 A-B-C †
Preparing for Performance Examinations in Microsoft Word
.5 unit, 1.5 hours laboratory
Recommended Preparation:
BOT/CSIS 122 or equivalent.
Students will use testing software to prepare for the Microsoft Office User Certification (MOUS) examination, to prepare for employment examinations, or to receive a Business Office Technology certificate of proficiency in Microsoft Word with detailed competencies. This course is offered on a Pass/No Pass basis only.

Business Office Technology 281 A-B-C †
Preparing for Performance Examinations in Microsoft Excel
.5 unit, 1.5 hours laboratory
Recommended Preparation:
BOT/CSIS 125 or equivalent.
Students will use testing software to prepare for the Microsoft Office User Certification (MOUS) examination, to prepare for employment examinations, or to receive a Business Office Technology certificate of proficiency in Microsoft Excel with detailed competencies. This course is offered on a Pass/No Pass basis only.

Business Office Technology 282 A-B-C †
Preparing for Performance Examinations in Microsoft Access
.5 unit, 1.5 hours laboratory
Recommended Preparation:
BOT/CSIS 128 or equivalent.
Students will use testing software to prepare for the Microsoft Office User Certification (MOUS) examination, to prepare for employment examinations, or to receive a Business Office Technology certificate of proficiency in Microsoft Access with detailed competencies. This course is offered on a Pass/No Pass basis only.

† This course meets all Title 5 standards for Associate Degree Credit.

Business Office Technology 283 A-B-C †
Preparing for Performance Examinations in Microsoft PowerPoint
.5 unit, 1.5 hours laboratory
Recommended Preparation: *BOT/CSIS 131 or equivalent.*
Students will use testing software to prepare for the Microsoft Office User Certification (MOUS) examination, to prepare for employment examinations, or to receive a Business Office Technology certificate of proficiency in Microsoft PowerPoint with detailed competencies. This course is offered on a Pass/No Pass basis only.

Business Office Technology 298 ††
Selected Topics in Business Office Technology
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in Business Office Technology not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Career and Technical Education/Workforce Development in relation to community/student need(s) and/or available staff. May be offered as a seminar, lecture or laboratory class. Pass/No Pass only.
Non-associate degree applicable

Business Office Technology 299A †
Selected Topics in Business Office Technology
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in Business Office Technology not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Career and Technical Education/Workforce Development in relation to community/student need(s) and/or available staff. May be offered as a seminar, lecture or laboratory class.
Associate degree applicable

Business Office Technology 299B †
Selected Topics in Business Office Technology
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in Business Office Technology not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Career and Technical Education/Workforce Development in relation to community/student need(s) and/or available staff. May be offered as a seminar, lecture or laboratory class.
Baccalaureate level-CSU transfer

Cardiovascular Technology (CVTE)

Cardiovascular Technology 100 †
Physical Principles of Medicine I
2 units, 2 hours lecture
Prerequisite: *A "C" grade or higher in Biology 140 and 141 and 141L or 142 or Biology 144 and 145 or equivalent.*
Corequisite: *CVTE 101 and 102 and 103.*
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.
Transfers to CSU

Cardiovascular Technology 101 †
Cardiovascular Physiology I
4 units, 4 hours lecture
Prerequisite: *A "C" grade or higher in Biology 140 and 141 and 141L or 142 or Biology 144 and 145 or equivalent.*
Corequisite: *CVTE 100 and 102 and 103.*
A study of the anatomy, physiology, structural relationships, and pathophysiology of the human heart and vascular system. Designed for students enrolled in the Cardiovascular Technology Program, the course will concentrate on specialized terminology, cardiac anatomy, electrocardiography, and hemodynamics.
Transfers to CSU

Cardiovascular Technology 102 †
Medical Instrumentation I
4 units, 2 hours lecture, 6 hours laboratory
Prerequisite: *A "C" grade or higher in Biology 140 and 141 and 141L or 142 or Biology 144 and 145 or equivalent.*
Corequisite: *CVTE 100 and 101 and 103.*
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.
Transfers to CSU

Cardiovascular Technology 103 †
Laboratory Practicum and Proficiency Testing I
2 units, 1 hour lecture, 3 hours laboratory
Prerequisite: *A "C" grade or higher in Biology 140 and 141 and 141L or 142 or Biology 144 and 145 or equivalent.*
Corequisite: *CVTE 100 and 101 and 102.*
A practicum course designed to insure competency in the basic skills required in the clinical practice of cardiovascular technology. Students acquire skills in the performance of indirect blood pressure measurement, ultrasound imaging of the heart and vascular system, and calculation of specified hemodynamic parameters.
Transfers to CSU

Cardiovascular Technology 104 †
Electrocardiographic Theory
3 units, 3 hours lecture
Corequisite: *CVTE 105.*
A study of the electrocardiographic theory and principles required to perform basic 12-lead electrocardiograms. Instruction in EKG graph interpretation to identify cardiac rate, axis, arrhythmias, myocardial infarctions and ischemia.
Transfers to CSU

Cardiovascular Technology 105 †
Electrocardiographic Technique
2 units, 6 hours laboratory
Corequisite: *CVTE 104.*
A course in the practical application of the technique for recording and interpreting standard electrocardiograms. Students will perform and interpret electrocardiograms in an on-campus laboratory setting and be assigned to lab rotations in local clinical facilities for a portion of the semester.
Transfers to CSU

Cardiovascular Technology 106 †
Advanced Electrocardiographic Studies
5 units, 4 hours lecture, 3 hours laboratory
Prerequisite: *A "C" grade or higher in CVTE 104 and 105 or equivalent.*
Corequisite: *CVTE 108*
A study of the theory, clinical application and hospital administrative requirements associated with cardiac arrhythmia and heart block recognition; and their correlation to cardiac stress testing, pacemaker evaluation, ambulatory EKG recording and electrocardiographic telemetry.
Transfers to CSU

† This course meets all Title 5 standards for Associate Degree Credit.
†† This course meets all Title 5 standards for Nondegree Credit.

Cardiovascular Technology 107 †
Introduction to Clinical Practicum I
1 unit, 1 hour lecture
Corequisite: *CVTE 100 and 101 and 102 and 103.*
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.
Transfers to CSU

Cardiovascular Technology 108 †
Advanced Cardiac Monitoring
2 units, 2 hours lecture
Prerequisite: *A "C" grade or higher in CVTE 104 and 105 or equivalent.*
Corequisite: *CVTE 106*
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 arrhythmias along with techniques for distinguishing between aberrant rhythms and life-threatening arrhythmias.
Transfers to CSU

Cardiovascular Technology 110 †
Physical Principles of Medicine II
2 units, 2 hours lecture
Prerequisite: *A "C" grade or higher in CVTE 100 and 101 and 102 and 103.*
Corequisite: *CVTE 111 and 112 and 113.*
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.
Transfers to CSU

Cardiovascular Technology 111 †
Cardiovascular Physiology II
4 units, 4 hours lecture
Prerequisite: *A "C" grade or higher in CVTE 100 and 101 and 102 and 103.*
Corequisite: *CVTE 110 and 112 and 113.*
A continuation of Cardiovascular Technology 101, Cardiovascular Physiology I, with emphasis on electrocardiographic arrhythmia recognition, the anatomy, physiology, and pathophysiology of specified congenital heart disease, the structure and function of the arterial, venous, capillary and pulmonary circulations and the techniques for measuring and/or calculating specified hemodynamic function indices.
Transfers to CSU

Cardiovascular Technology 112 †
Medical Instrumentation II
4 units, 3 hours lecture, 3 hours laboratory
Prerequisite: *A "C" grade or higher in CVTE 100 and 101 and 102 and 103.*
Corequisite: *CVTE 110 and 111 and 113.*
A continuation of basic principles in medical electronics and instrumentation, this course will emphasize the issues of medical signal transduction, conditioning and recording. The application of computer technology in analog to digital conversion, digital to analog conversion and medical data logging will also be studied. This course also surveys the types of medical electronics and instrumentation utilized in testing throughout the hospital and presents their clinical results.
Transfers to CSU

Cardiovascular Technology 113 †
Laboratory Practicum and Proficiency Testing II
2 units, 1 hour lecture, 3 hours laboratory
Prerequisite: *A "C" grade or higher in CVTE 100 and 101 and 102 and 103.*
Corequisite: *CVTE 110 and 111 and 112.*
This course is a continuation of Cardiovascular Technology 103, Laboratory Practicum and Proficiency Testing I. It is 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.
Transfers to CSU

Cardiovascular Technology 114 †
Cardiovascular Pharmacology
2 units, 2 hours lecture
Prerequisite: *A "C" grade or higher in CVTE 110 and 111 and 112 and 113.*
This course introduces the concepts of drug classification, pharmacokinetics, delivery systems, drug interactions and dosage. A survey of all drug categories will be presented, but emphasis will be placed on cardiac and vascular, and thrombolytic medications. Drugs administered during cardiovascular procedures is the focus of this course.
Transfers to CSU

Cardiovascular Technology 120 †
Clinical Practicum I
2 units, 6 laboratory hours
Prerequisite: *A "C" grade or higher in CVTE 110 and 111 and 112 and 113.*
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 with the track specialist will be applied to situations in the hospital, clinic, or doctor's office setting.
Transfers to CSU

Cardiovascular Technology 199
Special Studies or Projects in Cardiovascular Technology
1-3 units, 3-9 hours
Prerequisite: *Consent of instructor.*
Individual study, research or projects in the field of cardiovascular technology under instructor guidance. Written reports and periodic conferences required. Content and unit credit to be determined by student/instructor conferences and/or division. May be repeated for a maximum of nine units.

† This course meets all Title 5 standards for Associate Degree Credit.

Cardiovascular Technology 200 †
Medical Instrumentation III

3 units, 2 hours lecture, 3 hours laboratory
Prerequisite: *A "C" grade or higher in CVTE 114 and 120.*
Corequisite: *CVTE 201 and 205 for Echo students, and CVTE 203 and 205 for Vascular students.*
The lecture portion of the course will provide an opportunity for students to explore medical research, the importance of statistics in understanding published medical findings. The laboratory section is track-specific and provides advanced instruction in the topics and performance of diagnostic tests in Echocardiography or Vascular Technology. The theory, calibration, operation and clinical application of specified diagnostic medical instrumentation will be applied in these sections.
Transfers to CSU

Cardiovascular Technology 201 †
Diagnostic Procedures I, Adult Echocardiography

4 units, 3 hours lecture, 3 hours laboratory
Prerequisite: *A "C" grade or higher in CVTE 114 and 120.*
Corequisite: *CVTE 200 and 205*
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. Laboratory sessions are conducted in noninvasive cardiac laboratories in local hospitals with advanced instruction in two dimensional, m-mode, color-flow, cardiac Doppler, transesophageal and stress echocardiography.
Transfers to CSU

Cardiovascular Technology 202 †
Diagnostic Procedures I, Invasive Cardiology

4 units, 3 hours lecture, 3 hours laboratory
Prerequisite: *A "C" grade or higher in CVTE 114 and 120.*
Corequisite: *CVTE 205 and 207 and 208.*
This course provides advanced study in medical electronics and instrumentation, focusing on devices utilized in invasive cardiology. Emphasis will be placed upon advanced physiologic recording devices, blood pressure transducers, cardiac output measurement systems, fluid delivery and routing systems, as well as mechanical injector systems. Laboratory sessions are conducted in Cardiac Catheterization Laboratories in local hospitals, with instruction in techniques including sterile field preparation, angiographic interpretation, interventional techniques and instruments.
Transfers to CSU

Cardiovascular Technology 203 †
Diagnostic Procedures I, Vascular Technology

4 units, 3 hours lecture, 3 hours laboratory
Prerequisite: *A "C" grade or higher in CVTE 114 and 120.*
Corequisite: *CVTE 200 and 205.*
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 nonscanning modalities for vascular testing. Laboratory sessions are conducted in vascular laboratories in local hospitals, with instruction in techniques of duplex scanning of the cerebrovascular and lower-extremity vasculature.
Transfers to CSU

Cardiovascular Technology 205 †
Clinical Practicum II

5 units, 15 hours laboratory
Prerequisite: *A "C" grade or higher in CVTE 114 and 120.*
Corequisite: *CVTE 200 and 201 for Echo students or CVTE 200 and 203 for Vascular students or CVTE 202 and 207 and 208 for Invasive students.*
A laboratory course providing clinical practicum with emphasis on the calibration and operation of medical instrumentation used in the Invasive, Noninvasive and Vascular Laboratories in local hospitals and clinics with which the CVTE Program is affiliated. The performance of specified diagnostic tests, calculation of hemodynamic data, and professional performance in the clinical environment will be stressed.
Transfers to CSU

Cardiovascular Technology 207 †
Invasive Medical Instrumentation I

2 units, 2 hours lecture
Prerequisite: *A "C" grade or higher CVTE 114 and 120.*
Corequisite: *CVTE 202 and 205 and 208.*
A course of instruction in the theory, calibration, operation and clinical application of specified diagnostic medical instrumentation with emphasis on the relationship of findings in the medical history to diagnostic test findings, and introduces the student to the application of diagnostic instrumentation in medical research.
Transfers to CSU

Cardiovascular Technology 208 †
X-Ray Physics and Cardiovascular Angiography

2 units, 2 hours lecture, 1 hour laboratory
Prerequisite: *A "C" grade or higher CVTE 114 and 120.*
Corequisite: *CVTE 202 and 205 and 207.*
A course providing advanced study in medical electronics and instrumentation which focuses on imaging technologies, utilized in invasive cardiology. Emphasis will be placed upon understanding the x-ray imaging chain, x-ray physics, cardiovascular angiographic projections, analog and digital cine angiographic techniques, fluoroscopy techniques, optical principles, intravascular ultrasound and Doppler techniques. Additional emphasis is placed on data collection, analysis and interpretation of clinical patterns.
Transfers to CSU

Cardiovascular Technology 210 †
Medical Instrumentation IV

3 units, 2 hours lecture, 3 hours laboratory
Prerequisite: *A "C" grade or higher in CVTE 200 and 201 and 205 or a "C" grade or higher in CVTE 200 and 203 and 205.*
Corequisite: *CVTE 211 and 215 for Echo students or CVTE 213 and 215 for Vascular students.*
A continuation of Cardiovascular Technology 200, Medical Instrumentation III, with emphasis on the theory, calibration, operation and clinical application of specified diagnostic testing in the laboratory section. The lecture portion of the course provides an overview of biostatistics as applicable to medical research, continued exploration of the medical literature through reading and writing assignments, and topics that pertain to the technologically-oriented healthcare professional.
Transfers to CSU

† This course meets all Title 5 standards for Associate Degree Credit.

Cardiovascular Technology 211 †
Diagnostic Procedures II, Adult Echocardiography
4 units, 3 hours lecture, 3 hours laboratory
Prerequisite: *A "C" grade or higher in CVTE 200 and 201 and 205.*
Corequisite: *CVTE 210 and 215.*
This course is a continuation of Cardiovascular Technology 201, Diagnostic Procedures I, Adult Echocardiography. It is an advanced course in the techniques utilized in the diagnosis and serial follow-up of cardiovascular disease with emphasis on pulsed wave, continuous wave and color-flow Doppler techniques, conventional and echocardiographic stress testing and transesophageal echocardiography.
Transfers to CSU

Cardiovascular Technology 212 †
Interventional Procedures, Invasive Cardiology
4 units, 3 hours lecture, 3 hours laboratory
Prerequisite: *A "C" grade or higher in CVTE 202 and 205 and 207 and 208.*
Corequisite: *CVTE 215 and 217 and 218.*
This course continues the advanced study of invasive cardiac medical electronics and instrumentation. Emphasis will be placed upon advanced therapeutic procedures, including surgical interventions, angioplasty, stenting, atherectomy, laser, distal protection, valvuloplasty and gene therapy techniques. Mechanical support systems such as the intra aortic balloon pump and other ventricular assist devices will be introduced. Laboratory sessions are conducted in Cardiac Catheterization Laboratories in local hospitals, with instruction in techniques including sterile field preparation, angiographic interpretation, interventional techniques and instruments.
Transfers to CSU

Cardiovascular Technology 213 †
Diagnostic Procedures II, Vascular Technology
4 units, 3 hours lecture, 3 hours laboratory
Prerequisite: *A "C" grade or higher in CVTE 200 and 203 and 205.*
Corequisite: *CVTE 210 and 215.*
An advanced 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 nonscanning modalities for vascular testing. Laboratory sessions are conducted in vascular laboratories in local hospitals, with advanced instruction in techniques of duplex scanning of the cerebrovascular, lower-extremity, and abdominal vasculature.
Transfers to CSU

Cardiovascular Technology 215 †
Clinical Practicum III
5 units, 15 hours laboratory
Prerequisite: *A "C" grade or higher in CVTE 200 and 201 and 205 or CVTE 200 and 203 and 205 or CVTE 202 and 205 and 207 and 208.*
Corequisite: *CVTE 210 and 211 for Echo students or CVTE 210 and 213 for Vascular students or CVTE 212 and 217 and 218 for Invasive students.*
This laboratory course provides a continuation of clinical practicum with emphasis on the acquisition and refinement of skills in the calibration and operation of medical instrumentation used in the invasive, noninvasive and vascular laboratories in local hospitals and clinics. The performance of specific diagnostic tests, calculation of hemodynamic data, and professional performance in the clinical environment will be stressed. Emphasis will be on consolidating skills acquired in CVTE 205 into complete diagnostic studies, including qualitative diagnostic interpretations.
Transfers to CSU

Cardiovascular Technology 217 †
Invasive Medical Instrumentation II
2 units, 2 hours lecture
Prerequisite: *A "C" grade or higher in CVTE 202 and 205 and 207 and 208.*
Corequisite: *CVTE 212 and 215 and 218*
A continuation of Cardiovascular Technology 207 with emphasis on the theory, calibration techniques, and clinical application of specified diagnostic testing. The course provides an overview of biostatistics as applicable to medical research, continued exploration of the medical literature through reading and writing assignments, and topics that pertain to the technologically-oriented healthcare professional.
Transfers to CSU

Cardiovascular Technology 218 †
Intracardiac Electrophysiology
2 units, 2 hours lecture, 1 hour laboratory
Prerequisite: *A "C" grade or higher in CVTE 202 and 205 and 207 and 208.*
Corequisite: *CVTE 212 and 215 and 217.*
This course provides advanced study in medical instrumentation, introducing the topic of intracardiac electrophysiology. The content includes procedures and case studies of intracardiac electrograms, which are used to map the electrical currents within the heart. Computerized analysis of these patterns helps the cardiologist select the most appropriate treatment for chronic arrhythmia including pacemaker technology and implantable cardioverter-defibrillators (ICD). A review of antiarrhythmic drug therapy will also be provided.
Transfers to CSU

Cardiovascular Technology 225 †
Extended Experience in Clinical Practicum
1 unit, 3 hours laboratory
Prerequisite: *A "C" grade or higher in CVTE 200 and 201 and 205 or CVTE 200 and 203 and 205 or CVTE 202 and 205 and 207 and 208.*
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.
Transfers to CSU

Cardiovascular Technology 240 †
Anesthesia Technology Review
3 units, 3 hours lecture
This course is designed for anesthesia technicians and/or recent graduates of training programs who intend to sit for the American Society of Anesthesia Technologists and Technicians (ASATT) certification examination. A comprehensive review of anesthesia technology will be provided, from basic anatomy and physiology to pharmacology, instrumentation and troubleshooting of equipment. This course is offered on a Pass/No Pass basis only.
Transfers to CSU

† This course meets all Title 5 standards for Associate Degree Credit.

Cardiovascular Technology 298 †† Selected Topics in Cardiovascular Technology

1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in cardiovascular technology not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Career and Technical Education/Workforce Development in relation to community/student need(s) and/or available staff. May be offered as a seminar, lecture or laboratory class. Pass/No Pass only.
Non-associate degree applicable

Cardiovascular Technology 299A † Selected Topics in Cardiovascular Technology

1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in cardiovascular technology not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Career and Technical Education/Workforce Development in relation to community/student need(s) and/or available staff. May be offered as a seminar, lecture or laboratory class.
Associate degree applicable

Cardiovascular Technology 299B † Selected Topics in Cardiovascular Technology

1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in cardiovascular technology not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Career and Technical Education/Workforce Development in relation to community/student need(s) and/or available staff. May be offered as a seminar, lecture or laboratory class.
Baccalaureate level-CSU transfer

Chemistry (chem)

Chemistry 102† Introduction to General, Organic and Biological Chemistry

5 units, 4 hours lecture, 3 hours laboratory
Prerequisite: *A "Pass" grade in Math 090 or equivalent.*
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.
Satisfies General Education for: Grossmont College B2: CSU B1; IGETC 5A
Transfers to: CSU, UC

Chemistry 110 † Environmental Chemistry

3 units, 3 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 environmental issues such as ozone depletions, global warming, air and water pollution, and radioactivity. Demonstrations and audio-visual experiments involving student participation take the place of a laboratory.
Satisfies General Education for: Grossmont College B2; CSU B1; IGETC 5A
Transfers to: CSU, UC (credit limited: see page 39)

Chemistry 113 † Forensic Chemistry

4 units, 3 hours lecture, 3 hours laboratory
Prerequisite: *A "Pass" grade in Math 090 or equivalent.*
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.
Satisfies General Education for: Grossmont College B2; CSU B1; IGETC 5A
Transfers to: CSU, UC (credit limited: see page 39)

Chemistry 115 † Fundamentals of Chemistry

4 units, 3 hours lecture, 3 hours laboratory
Prerequisite: *A "Pass" grade in Math 090 or equivalent.*
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.
Satisfies General Education for: Grossmont College B2; CSU B1; IGETC 5A
Transfers to: CSU, UC (credit limited: see page 39)

Chemistry 115T † Tutorial Laboratory-Chemistry 115

1 unit, 3 hours laboratory
This course consists of computer aided tutorials, drills and problem sets for the purpose of helping the student to master basic concepts of chemistry. This course is offered on a Pass/No Pass basis only.
Transfers to CSU

Chemistry 116 † Introductory Organic and Biochemistry

4 units, 3 hours lecture, 3 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in Chemistry 115 or equivalent.*
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.
Satisfies General Education for: Grossmont College B2; CSU B1; IGETC 5A
Transfers to: CSU, UC (credit limited: see page 39)

† This course meets all Title 5 standards for Associate Degree Credit.
†† This course meets all Title 5 standards for Nondegree Credit.

Chemistry 116T † Tutorial Laboratory-Chemistry 116
1 unit, 3 hours laboratory
This course consists of computer aided tutorials, drills and problem sets for the purpose of helping the student to master basic concepts of organic and biochemistry chemistry. This course is offered on a Pass/No Pass basis only.
Transfers to CSU

Chemistry 120 † Preparation for General Chemistry
4 units, 3 hours lecture, 3 hours laboratory
Prerequisite: *"C" grade or higher or "Pass" in Math 110 or equivalent.*
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.
Satisfies General Education for: Grossmont College B2; CSU B1; IGETC 5A
Transfers to: CSU, UC (credit limited: see page 39)

Chemistry 120T † Tutorial Laboratory-Chemistry 120
1 unit, 3 hours laboratory
This course consists of computer aided tutorials, drills and problem sets for the purpose of helping the student to master basic concepts of chemistry. This material would be appropriate for chemistry major or science major sequence. This course is offered on a Pass/No Pass basis only.
Transfers to CSU

Chemistry 141 † General Chemistry I
5 units, 3 hours lecture, 6 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in Chemistry 120, or a "C" grade or higher or "Pass" in Mathematics 110 or equivalent and Chemistry 141 assessment.*
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. The course is equivalent to Chemistry 200 at San Diego State University.
Satisfies General Education for: Grossmont College B2; CSU B1; IGETC 5A
Transfers to: CSU, UC

Chemistry 141T † Tutorial Laboratory-Chemistry 141
1 unit, 3 hours laboratory
This course consists of computer aided tutorials, drills and problem sets for the purpose of helping the student to master basic concepts of first semester general chemistry. This course is offered on a Pass/No Pass basis only.
Transfers to CSU

Chemistry 142 † General Chemistry II
5 units, 3 hours lecture, 6 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in Chemistry 141 or equivalent.*
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. This course is equivalent to Chemistry 201 at San Diego State University.
Satisfies General Education for: Grossmont College B2; CSU B1; IGETC 5A
Transfers to: CSU, UC

Chemistry 142T † Tutorial Laboratory-Chemistry 142
1 unit, 3 hours laboratory
This course consists of computer aided tutorials, drills and problem sets for the purpose of helping the student to master basic concepts of second semester general chemistry. This course is offered on a Pass/No Pass basis only.
Transfers to CSU

Chemistry 199 Special Studies or Projects in Chemistry
1-3 units, 3-9 hours
Prerequisite: *Consent of instructor.*
Individual study, research or projects in the field of chemistry under instructor guidance. Written reports and periodic conferences required. Content and unit credit to be determined by student/instructor conferences and/or division. May be repeated for a maximum of nine units.

Chemistry 231 † Organic Chemistry I
5 units, 3 hours lecture, 6 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in Chemistry 142 or equivalent.*
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 of organic compounds. The relationship of structure to properties, reactivity and mechanism or reaction will be emphasized. This course is intended for biology, chemistry and pre-medical majors needing either one or two semesters of organic chemistry.
Satisfies General Education for: Grossmont College B2; CSU B1; IGETC 5A
Transfers to: CSU, UC

† This course meets all Title 5 standards for Associate Degree Credit.

Chemistry 231T †
Tutorial Laboratory-Chemistry 231
1 unit, 3 hours laboratory
Recommended Preparation: *A "C" grade or higher or "Pass" in Chemistry 142 or equivalent.*
This course consists of computer aided tutorials, drills and problem sets for the purpose of helping the student to master basic concepts of organic chemistry. This course is offered on a Pass/No Pass basis only.
Transfers to CSU

Chemistry 232 †
Organic Chemistry II
5 units, 3 hours lecture, 6 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in Chemistry 231 or equivalent.*
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.
Satisfies General Education for: Grossmont College B2; CSU B1; IGETC 5A
Transfers to: CSU, UC

Chemistry 232T †
Tutorial Laboratory-Chemistry 232
1 unit, 3 hours laboratory
Recommended Preparation: *A "C" grade or higher or "Pass" in Chemistry 231 or equivalent.*
This course consists of computer aided tutorials, drills and problem sets for the purpose of helping the student to master basic concepts of second semester organic chemistry. This course is offered on a Pass/No Pass basis only.
Transfers to CSU

Chemistry 298 ††
Selected Topics in Chemistry
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in chemistry not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Mathematics, Natural Sciences, and Exercise Science and Wellness in relation to community/student need(s) and/or available staff. May be offered as a seminar, lecture, or laboratory class. Pass/No Pass only.
Non-associate degree applicable

Chemistry 299A †
Selected Topics in Chemistry
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in chemistry not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Mathematics, Natural Sciences, and Exercise Science and Wellness in relation to community/student need(s) and/or available staff. May be offered as a seminar, lecture, or laboratory class.
Associate degree applicable

Chemistry 299B †
Selected Topics in Chemistry
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in chemistry not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Mathematics, Natural Sciences, and Exercise Science and Wellness in relation to community/student need(s) and/or available staff. May be offered as a seminar, lecture, or laboratory class.
Baccalaureate level-CSU transfer

Child Development (CD)

Child Development 101 †
Parent Education
1 unit, 1 hour 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.
Transfers to CSU

Child Development 106 †
Practicum: Beginning Observation and Experience
1 unit, 3 hours laboratory
Corequisite: *A "C" grade or higher or concurrent enrollment in CD 123 or 125 or equivalent.*
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.
Transfers to CSU

Child Development 115 †
(Family Studies 115)
Changing American Family
3 units, 3 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.
Satisfies General Education for: Grossmont College D2; CSU D10; IGETC 4J
Transfers to: CSU, UC (credit limited: see page 39)

Child Development 121 †
The Arts and Creativity for Young Children
3 units, 3 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.
Transfers to CSU

† This course meets all Title 5 standards for Associate Degree Credit.
†† This course meets all Title 5 standards for Nondegree Credit.

Child Development 123 † Principles and Practices of Programs and Curriculum for Young Children

3 units, 3 hours lecture

Corequisite: *Concurrent enrollment in CD 106 or concurrent employment in a licensed child care program.*

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.
Transfers to CSU

Child Development 124 † Infant and Toddler Development

3 units, 3 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.
Transfers to CSU

Child Development 125 † Child Growth and Development

3 units, 3 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.
Satisfies General Education for: Grossmont College D2; CSU D7 or D9 or E; IGETC 4G or 4I
Transfers to: CSU, UC

† This course meets all Title 5 standards for Associate Degree Credit.

Child Development 127 † Science and Mathematics for Child Development

3 units, 3 hours lecture

Recommended Preparation: *CD 125.*

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.
Transfers to CSU

Child Development 129 † Language and Literature for Child Development

3 units, 3 hours lecture

Recommended Preparation: *CD 125.*

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.
Transfers to CSU

Child Development 130 † Curriculum: Design and Implementation

3 units, 3 hours lecture

Recommended Preparation: *CD 121, 123, 125, 127, 129 and 131.*

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 relevant learning that is responsive to the child in the context of family and culture.
Transfers to CSU

Child Development 131 † Child, Family and Community

3 units, 3 hours lecture

Recommended Preparation: *A "C" grade or higher in CD 123 and 125 or equivalent.*

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.
Satisfies General Education for: Grossmont College D2; CSU D10
Transfers to: CSU, UC

Child Development 132 † Observation and Assessment: Field Experience Seminar

3 units, 3 hours lecture

Prerequisite: *A "C" grade or higher in CD 106, 121, 123, 125, 127, 129, 131 and 130 or 143 or equivalent.*

Corequisite: *CD 133 or 170*

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 or 170. As part of the course, students will reexamine professional ethics, responsibilities and expectations of the work force and explore strategies for job search.
Transfers to CSU

Child Development 133 † Practicum-Field Experience: Student Teaching

2 units, 10 hours work experience per week

Prerequisite: *A "C" grade or higher in CD 106, 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.
Transfers to CSU

Child Development 134 †
Health, Safety and Nutrition of Young Children
3 units, 3 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.
Satisfies General Education for: Grossmont College D2
Transfers to CSU

Child Development 136 †
Adult Supervision
3 units, 3 hours lecture

Recommended Preparation: *A "C" grade or higher in 12 units of Child Development core curriculum: CD 125 (3units); 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.*

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.
Transfers to CSU

Child Development 137 †
Administration of Child Development Programs I
3 units, 3 hours lecture

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.

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.
Transfers to CSU

Child Development 138 †
Administration of Child Development Programs II
3 units, 3 hours lecture

Recommended Preparation: *A "C" grade or higher or "Pass" in CD 137 or equivalent.*

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.
Transfers to CSU

Child Development 141 †
Working with Children with Special Needs
3 units, 3 hours lecture

Recommended Preparation: *CD 124 or 125.*

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.
Transfers to CSU

Child Development 143 †
Responsive Planning for Infant/Toddler Care
3 units, 3 hours lecture

Recommended Preparation: *A "C" grade or higher in CD 124 or 125 or equivalent.*

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.
Transfers to CSU

Child Development 144 †
Baby Signs: Communicating with Infants/Toddlers
1 unit, 1 hour 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.
Transfers to CSU

Child Development 145 †
Child Abuse and Family Violence in Our Society
3 units, 3 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.
Satisfies General Education for: Grossmont College D1; CSU D10
Transfers to CSU

Child Development 153 †
(Cross-Cultural Studies 153)
Teaching in a Diverse Society
3 units, 3 hours lecture

Analysis of the many contexts and variables related to an individual's socialization process and how these forces impact on 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.
Satisfies General Education for: Grossmont College D2
Transfers to CSU

† This course meets all Title 5 standards for Associate Degree Credit.

Child Development 168 †
Positive Guidance in Early Childhood Setting
1 unit, 1 hour 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.
Transfers to CSU

Child Development 169 †
Helping Children Cope with Crisis and Change
1 unit, 1 hour 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.
Transfers to CSU

Child Development 174 †
The Reggio Emilia Approach to Learning: An Introduction
3 units, 3 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.
Transfers to CSU

Child Development 175 †
Documenting Children's Learning in Early Childhood Education
3 units, 3 hours lecture
Recommended Preparation: *CD 125 and 174.*
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.
Transfers to CSU

Child Development 199
Special Studies or Projects in Child Development
1-3 units, 3-9 hours
Prerequisite: *Consent of instructor.*
Individual study, research or projects in the field of child development under instructor guidance. Written reports and periodic conferences are required. Content and unit credit to be determined by student/instructor conferences and/or division. May be repeated for a maximum of nine units.

Child Development 298 ††
Selected Topics in Child Development
.5-3 units, 1-9 hours
Prerequisite: *Varies with topic.*
Selected topics in Child Development not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Career and Technical Education/Workforce Development in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class. Pass/No Pass only.
Non-associate degree applicable

Child Development 299A †
Selected Topics in Child Development
.5-3 units, 1-9 hours
Prerequisite: *Varies with topic.*
Selected topics in Child Development not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Career and Technical Education/Workforce Development in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class.
Associate degree applicable

Child Development 299B †
Selected Topics in Child Development
.5-3 units, 1-9 hours
Prerequisite: *Varies with topic.*
Selected topics in Child Development not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Career and Technical Education/Workforce Development in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class.
Baccalaureate level-CSU transfer

† This course meets all Title 5 standards for Associate Degree Credit.
†† This course meets all Title 5 standards for Nondegree Credit.

Chinese (chin)

Chinese 120 †
Chinese I
5 units, 5 hours lecture
An introductory course to the Chinese language and the culture of its speakers. The purpose of Chinese 120 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 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.
Satisfies General Education for: Grossmont College C2; CSU C2; IGETC 6A
Transfers to: CSU, UC

Chinese 121 †
Chinese II
5 units, 5 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in Chinese 120 or two years of high school Chinese or equivalent.*
Chinese 121 is the continuation of Chinese 120. The course will continue to develop oral and written skills based on practical everyday needs.
Satisfies General Education for: Grossmont College C2; CSU C2; IGETC 3B
Transfers to: CSU, UC

Chinese 199
Special Studies or Projects in Chinese
1-3 units, 3-9 hours
Prerequisite: *Consent of instructor.*
Individual study, research or projects in the field of Chinese under instructor guidance. Written reports and periodic conferences are required. Content and unit credit to be determined by student/instructor conferences and/or division. May be repeated for a maximum of nine units.

Chinese 220 †
Chinese III
5 units, 5 hours lecture
Prerequisite: *A "C" grade or higher or Pass in Chinese 121 or three years of high school Chinese or equivalent.*
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.
Satisfies General Education for: Grossmont College C2; CSU C2; IGETC 3B, 6A
Transfers to: CSU, UC

Chinese 221 †
Chinese IV
5 units, 5 hours lecture
Prerequisite: *A "C" grade or higher or Pass in Chinese 220 or four years of high school Chinese or equivalent.*
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.
Satisfies General Education for: Grossmont College C2; CSU C2; IGETC 3B, 6A
Transfers to: CSU, UC

Chinese 250 †
Conversational Chinese I
3 units, 3 hours lecture
Prerequisite: *A "C" grade or higher or Pass in Chinese 121 or three years high school Chinese or equivalent .*
This course will continue to develop oral, listening, reading, and writing skills with emphasis in oral proficiency in Mandarin Chinese.
Satisfies General Education for: Grossmont College C2; CSU C2
Transfers to: CSU, UC

Chinese 251 †
Conversational Chinese II
3 units, 3 hours lecture
Prerequisite: *A "C" grade or higher or Pass in Chinese 250 or four years high school Chinese or equivalent.*
This course will continue to develop oral, listening, reading, and writing skills with emphasis in oral proficiency in Mandarin Chinese.
Satisfies General Education for: Grossmont College C2; CSU C2
Transfers to: CSU, UC

Chinese 298 ††
Selected Topics in Chinese
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in Chinese not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Arts, Languages and Communication in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class. Pass/No Pass only.
Non-associate degree applicable

Chinese 299A †
Selected Topics in Chinese
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in Chinese not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Arts, Languages and Communication in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class.
Associate degree applicable

Chinese 299B †
Selected Topics in Chinese
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in Chinese not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Arts, Languages and Communication in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class.
Baccalaureate level-CSU transfer

Communication (comm)

Communication 120 †
Interpersonal Communication
3 units, 3 hours lecture
This course provides the student an opportunity to learn and apply, in daily life, principles of interpersonal communication. The emphasis is on personal, situational and cultural influences on interaction. It is designed to assist students in improving their own interpersonal communication skills. Attention is given to human perception, interpersonal dynamics, listening, conflict management, verbal and nonverbal symbol systems.
Satisfies General Education for: Grossmont College A2; CSU A1
Transfers to CSU, UC

Communication 122 †
Public Speaking
3 units, 3 hours lecture
This course offers an opportunity for improvement in the basic process of public speaking to audiences in diverse settings. An introduction to rhetorical theory is included. Attention is given to the basic elements of topic selection, analysis of diverse audiences, research, organization, argumentation and delivery of speeches and presentations.
Satisfies General Education for: Grossmont College A2; CSU A1; IGETC 1C
Transfers to: CSU, UC

Communication 123 †
Advanced Public Speaking
3 units, 3 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in COMM 122 or equivalent.*
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.
Transfers to: CSU, UC

Communication 124 †
Intercultural Communication
3 units, 3 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.
Satisfies General Education for: Grossmont College D2; CSU D7; IGETC 4G
Transfers to: CSU, UC (credit limited: see page 39)

† This course meets all Title 5 standards for Associate Degree Credit.
†† This course meets all Title 5 standards for Nondegree Credit.

Communication 128 †
Global Communication
3 units, 3 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.
Satisfies General Education for Grossmont College D2; CSU D7
Transfers to: CSU, UC

Communication 135 †
Oral Interpretation of Literature
3 units, 3 hours lecture
This course provides both a theoretical and a practical exploration of literary works as art forms. Attention is given to art appreciation, art criticism, and analysis as it relates to works of literature in various genres. The oral interpretation of traditional literary genres of poetry, prose, and drama is studied, 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 evaluation of various literary works.
Satisfies General Education for: Grossmont College C2
Transfers to: CSU, UC

Communication 136 †
Readers Theatre
3 units, 3 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.
Satisfies General Education for CSU C2
Transfers to: CSU, UC

Communication 137 †
Critical Thinking in Group Communication
3 units, 3 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.
Satisfies General Education for: Grossmont College C2; CSU A3
Transfers to: CSU, UC

Communication 144 †
(Cross-Cultural Studies 144)
Communication Studies: Race and Ethnicity
3 units, 3 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.
Satisfies General Education for: Grossmont College C2; CSU C2, D3; IGETC 3B, 4C
Transfers to: CSU, UC (credit limited: see page 39)

Communication 145 †
Argumentation
3 units, 3 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.
Satisfies General Education for: Grossmont College C1; CSU A3
Transfers to: CSU, UC

Communication 199
Special Studies or Projects in Communication
1-3 units, 3-9 hours
Prerequisite: *Consent of instructor.*
Individual study, research or projects in the field of communication under instructor guidance. Written reports and periodic conferences required. Content and unit credit to be determined by student/instructor conferences and/or division. May be repeated for a maximum of nine units.

Communication 238 †
Speech and Debate Competition I
1 unit, 1 hour lecture, 1 hour 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.
Transfers to CSU

Communication 239 †
Speech and Debate Competition II
2 units, 2 hours lecture, 1 hour 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.
Transfers to CSU

† This course meets all Title 5 standards for Associate Degree Credit.

Communication 240 †
Speech and Debate Competition III
3 units, 2 hours lecture, 3 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.
Transfers to CSU

Communication 241 †
Speech and Debate Competition IV
3 units, 2 hours lecture, 3 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.
Transfers to CSU

Communication 298 ††
Selected Topics in Communication
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in communication not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Arts, Languages and Communication in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class. Pass/No Pass only.
Non-associate degree applicable

Communication 299A †
Selected Topics in Communication
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in communication not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Arts, Languages and Communication in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class.
Associate degree applicable

Communication 299B †
Selected Topics in Communication
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in communication not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Arts, Languages and Communication in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class.
Baccalaureate level-CSU transfer

Computer Science Information Systems (CSIS)

Computer Science Information Systems 100 †
(Business Office Technology 100)
Basic Keyboarding
1 unit, 3 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, development of touch skills on the 10-key pad, understanding of basic vocabulary and concepts used in keyboarding operations for inputting and retrieving information, and composition at the keyboard. For students with physical disabilities that may impair proficiency, emphasis will be on quality of output instead of speed, and on the use of alternative input devices.
Transfers to CSU

Computer Science Information Systems 105 †
Introduction to Computing
3 units, 2 hours lecture, 3 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 applications software. Emphasis will be placed on those skills and knowledge needed to use and maintain a home or small business computer.
Transfers to CSU

Computer Science Information Systems 110 †
Principles of Information Systems
4 units, 3 hours lecture, 3 hours laboratory
This is an introductory course in Information Technology to develop basic knowledge of computers and information systems with an emphasis on business and business related applications. The broad overview of topics includes computer organization, data processing systems, hardware and software, database management systems, networking, e-commerce, ethics and security and application software. The lab portion of the course will consist of hands-on problem-solving software applications emphasizing the use of spreadsheets and databases for business
Transfers to: CSU, UC

Computer Science Information Systems 111 †
Beginning Web Page Design
3 units, 2 hours lecture, 3 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 WYSIWYG (What-You-See-is-What-You-Get) 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.
Transfers to CSU

† This course meets all Title 5 standards for Associate Degree Credit.
†† This course meets all Title 5 standards for Nondegree Credit.

Computer Science Information Systems 112 †
Windows Operating System
3 units, 3 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 and configuration, networking to a LAN and to the Internet, 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.
Transfers to CSU

Computer Science Information Systems 113 †
Introduction to Linux
3 units, 3 hours lecture

Recommended Preparation: *A "C" grade or higher or "Pass" in CSIS 110 and 112 or equivalent.*

This course introduces the student to Multi-user, multitasking operating systems using the Linux Operating System (OS). Topics include: general operating system design, examination and comparison of different types of OS, security concerns and log-on procedures, file creation and manipulation, files and file system, UNIX utilities, shell commands, and process creation and control.
Transfers to CSU

Computer Science Information Systems 114 †
Small Computer Systems
3 units, 2 hours lecture, 3 hours laboratory

This course is designed for the individual responsible for selecting and maintaining a small computer for business or personal use. Topics include: the fundamentals of supporting and troubleshooting computer hardware and software and the maintenance and upgrade procedures, an overview of industry trends, types of small computers available, performance/cost issues, peripheral devices and methods of determining current and future needs. This course serves as a resource for the acquisition of appropriate skills for the A† Core Hardware and OS Technologies certification exam.
Transfers to CSU

Computer Science Information Systems 119 †
Introduction to Computer Programming
3 units, 3 hours lecture

Recommended Preparation: *A "C" grade or higher or "Pass" in CSIS 110 and 112 or equivalent.*

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 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.
Transfers to: CSU, UC

Computer Science Information Systems 132 †
Web Development Fundamentals
3 units, 2 hours lecture, 3 hours laboratory

Recommended Preparation: *A "C" grade or higher or "Pass" in CSIS 105 or 110 or equivalent.*

This course is a survey of technologies, protocols, languages and tools used for web development. Students will create and publish a working commercial website using existing content, templates and databases. This course will provide an introduction to mark-up languages, development tools, site maps and back-end databases.
Transfers to CSU

Computer Science Information Systems 133 †
Introduction to Dreamweaver
3 units, 2 hours lecture, 3 hours laboratory

Recommended Preparation: *A "C" grade or higher or "Pass" in CSIS 132 or equivalent.*

This course provides hands-on instruction in the use of common software tools used by web developers. A variety of industry utilized mark-up language tools will be used to build a working commercial website. Students will analyze, design and develop components similar to those introduced in the introductory course.
Transfers to CSU

Computer Science Information Systems 134 †
Web Publishing I
3 units, 2 hours lecture, 3 hours laboratory

Recommended Preparation: *A "C" grade or higher or "Pass" in CSIS 132 or equivalent.*

This course will focus on techniques for designing and creating simple web presentations. Students will use web authoring and graphics software to develop a small web site. Students will apply principles of good web design to create a web site that is attractive, organized, easy to navigate, and quick to download.
Transfers to CSU

Computer Science Information Systems 135 †
JavaScript Programming
3 units, 2 hours lecture, 3 hours laboratory

Recommended Preparation: *A "C" grade or higher or "Pass" in CSIS 133 or equivalent.*

An introductory course in JavaScript programming focusing on creating dynamic web pages. The course will include embedding JavaScript in HTML, event-handling, and writing and calling JavaScript functions.
Transfers to CSU

Computer Science Information Systems 136 †
Dynamic Web Applications
4 units, 3 hours lecture, 3 hours laboratory

Prerequisite: *A "C" grade or higher or "Pass" in CSIS 133 and 115 or equivalent.*

Recommended Preparation: *CSIS 135.*

This course introduces the students to the Visual Studio web development environment and the creation of ASP.NET pages using VB or C#. The students will design and create interactive web pages whose content is database generated. The course may also explore the use of additional development environments utilizing prewritten wizard generated pages.
Transfers to CSU

Computer Science Information Systems 137 †
Introduction to Flash
3 units, 2 hours lecture, 3 hours laboratory

Recommended Preparation: *A "C" grade or higher or "Pass" in CSIS 105 or 110 or equivalent.*

This course introduces the fundamentals of creating graphics, animation and interactivity in web page design. Concepts focus on development and implementation of expressive web-based animation using software such as Macromedia Flash. Students will create animations, interactive controls and web interfaces.
Transfers to CSU

† This course meets all Title 5 standards for Associate Degree Credit.

Computer Science Information Systems 140 †
Introduction to Local Area Network (LAN) Management
4 units, 3 hours lecture, 3 hours laboratory
Recommended Preparation: *A "C" grade or higher or "Pass" in CSIS 110 and 112 and 143.*
Subjects covered include an orientation to and instruction in the use of both standalone and networked configurations, and communication equipment. Instruction is given in the use of the most current industry-based network operating systems, and communication equipment, network administration programs and related application software. Topics will include Local Area Network (LAN) topologies with internetworking devices, software directory design, user groups, security rights, network menus and login scripts, and electronic mail. The course will include extensive hands-on experience and is designed to help students gain an understanding of the management of a LAN.
Transfers to CSU

Computer Science Information Systems 142 †
Introduction to Networking
2 units, 2 hours lecture
Recommended Preparation: *A "C" grade or higher or "Pass" in CSIS 105 or 110 or equivalent.*
This course introduces the student to the underlying concepts of data communications, telecommunications and networking. It provides a conceptual view of networking and will bring together the acronyms, protocols, and components used in today's networks.
Transfers to CSU

Computer Science Information Systems 143 †
Introduction to Local Area Networks
2 units, 2 hours lecture
Recommended Preparation: *A "C" grade or higher or "Pass" in CSIS 142 or equivalent.*
This course is designed to bring the student up-to-date on the latest concepts of Local Area Networks (LAN) technologies. It provides a comprehensive introduction to the concepts, technologies, components and acronyms inherent in today's local networking environment. Students will learn the fundamental principles of LAN protocols and the most widely used network operating systems.
Transfers to CSU

Computer Science Information Systems 144 †
Wide Area Networks
2 units, 2 hours lecture
Recommended Preparation: *A "C" grade or higher or "Pass" in CSIS 143 or equivalent.*
This course is designed to provide the student with conceptual and working knowledge of how Local Area Networks communicate over a wide area. This course will introduce the student to telephony, the technology of switched voice communications and will provide the understanding how communication channels of the public-switched telephone networks are used for data communications, and how voice and data communications are integrated. Analog versus digital transmission, circuit types, and different modes of communicating information from source to destination over a wide area are discussed.
Transfers to CSU

Computer Science Information Systems 145 †
Introduction to TCP/IP
2 units, 2 hours lecture
Recommended Preparation: *A "C" grade or higher or "Pass" in CSIS 144 or equivalent.*
This course introduces the student to the operation of the Transmission Control Protocol/Internet Protocol (TCP/IP) standard and related protocols. This 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. Demonstrations will be given on some of the more popular Internet navigation tools, such as Internet Explorer, Mozilla and Firefox.
Transfers to CSU

Computer Science Information Systems 146 †
Network Security
3 units, 2 hours lecture, 3 hours laboratory
Recommended Preparation: *A "C" grade or higher or "Pass" in CSIS 140 or 141, and 145 or equivalent.*
This course provides the fundamental knowledge needed to analyze risks and then design and implement a solution for a network system including a workable security policy that protects information assets from potential intrusion, damage or theft. Students will learn which countermeasures to deploy to thwart potential attacks. This course will also prepare students for CompTIA's Security† Exam.
Transfers to CSU

Computer Science Information Systems 147 †
(Business 147)
Internet Marketing
3 units, 3 hours lecture
Recommended Preparation: *A "C" grade or higher or "Pass" in Business 146 and CSIS 133 or equivalent.*
This course will provide students with skills on how to achieve online marketing success and how to integrate their Web presence with off-line traditional marketing methods. The course will provide students with a basic working knowledge of methods used to help drive traffic to a web site, how to attract visitors and turn those visitors into customers. Search engine optimization, search engine marketing, social media marketing, affiliate marketing, directory submission, and email marketing will be examined. Students will learn how to employ market research, acquire traffic, and how to track visitor trends.
Transfers to CSU

Computer Science Information Systems 151 †
Introduction to Photoshop
3 units, 3 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.
Transfers to: CSU, UC

Computer Science Information Systems 152 †
Introduction to 3D Animation Applications
3 units, 3 hours lecture
This course provides the student with a broad introduction to the basics of 3D animation and modeling with a focus on its use in video games and game character creation. Also included are overview of the career in the field of 3D visualization, the industry standard tools, the terms, and resources. This is not an artistic design course, but emphasizes mastering the tools and techniques.
Transfers to CSU

† This course meets all Title 5 standards for Associate Degree Credit.

Computer Science Information Systems 160 †
Introduction to Video Game Development
3 units, 3 hours lecture
Recommended Preparation: *A "C" grade or higher or "Pass" in CSIS 110 or 105 or equivalent.*
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.
Transfers to CSU

Computer Science Information Systems 161 †
Intermediate Video Game Development
3 units, 3 hours lecture
Recommended Preparation: *A "C" grade or higher or "Pass" in CSIS 160 or equivalent.*
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.
Transfers to CSU

Computer Science Information Systems 165 †
Assembly Language and Machine Architecture
4 units, 3 hours lecture, 3 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in CSIS 296 or equivalent.*
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.
Transfers to: CSU, UC

Computer Science Information Systems 172 †
(Business Office Technology 172)
Introduction to Microcomputer Applications
2 units, 2 hours lecture
Recommended Preparation: *CSIS 105 or 110 or BOT 096 and 097 and the ability to type 25 words per minute verified by a typing certificate or BOT 100 or 101 or CSIS 100.*
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.
Transfers to CSU

Computer Science Information Systems 173 †
Microsoft Word
3 units, 3 hours lecture
Instruction in the use of a word processing software package to create, update, and retrieve business reports using a computer. A word processing package will be used to give the student a solid background in word processing applications. This course is beneficial for those individuals who wish to use the computer to prepare documents for business or personal use.
Transfers to CSU

Computer Science Information Systems 174 †
Microsoft Access
3 units, 3 hours lecture
Instruction in the use of database software to create, update, and retrieve business information on a computer. Software packages will be utilized to give the student a solid background in database applications. This course is beneficial for those individuals who wish to use the computer to file and retrieve data.
Transfers to CSU

Computer Science Information Systems 175 †
Microsoft Excel
3 units, 3 hours lecture
This course consists of use of electronic spreadsheets and how they are utilized in the financial planning process. This course is especially beneficial for students, teachers, and professionals who are using or who plan to use, computers in a business environment.
Transfers to CSU

Computer Science Information Systems 176 †
(Business 176, Business Office Technology 176)
Computerized Accounting Applications
2 units, 2 hours lecture
Recommended Preparation: *A "C" grade or higher or "Pass" or concurrent enrollment in BUS/BOT 109 or BUS 120.*
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.
Transfers to CSU

Computer Science Information Systems 177 †
Microsoft PowerPoint
3 units, 3 hours lecture
This course is designed for students who want to become proficient in Microsoft PowerPoint. Students will learn how to create dynamic, professional looking PowerPoint presentations in order to enhance oral presentations, including creation of custom slides containing animation effects, diagrams, charts, tables, pictures, shapes, video, and sound.
Transfers to CSU

Computer Science Information Systems 180 †
Fundamentals of Database Design
3 units, 3 hours lecture
Recommended Preparation: *A "C" grade or higher or "Pass" in CSIS 110 and 174 or equivalent.*
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.
Transfers to CSU

† This course meets all Title 5 standards for Associate Degree Credit.

Computer Science Information Systems 190 †
(Multimedia 190)
Digital Multimedia I
4 units, 3 hours lecture, 3 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in CSIS 110 or CSIS 105 or ART 170 or equivalent.*
This interdisciplinary course is an introduction to the theory and practice of digital media as the digital integration of art, video, graphics, sound, and music for design and production in art, communications, entertainment, science, engineering and industrial applications. This course is an overview of simple 2D and 3D graphics and animation, digital still-image processing, digital sound and music generation, and the steps involved in multimedia. Instructors from the departments involved will participate in team teaching this class.
Transfers to: CSU, UC (credit limited: see page 39)

Computer Science Information Systems 195 †
Video Editing on the PC
3.5 units, 3 hours lecture, 1.5 hours laboratory
Recommended Preparation: *A "C" grade or higher or "Pass" in CSIS 105 or 110 or equivalent.*
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.
Transfers to CSU

Computer Science Information Systems 196 †
Interactive Multimedia Authoring
2 units, 1 hour lecture, 2 hours lecture/lab
Recommended Preparation: *A "C" grade or higher or "Pass" in CSIS 110 or equivalent.*
An applications-based course using a multimedia authoring package such as Macromedia Director. Concepts focus on building cross platform multimedia applications and presentations. The lab will focus on producing interactive multimedia titles for CD-ROM and Internet delivery. The goal is to develop a visual language that will make various multimedia elements come to life, work together and support the functions of the screen and audio.
Transfers to CSU

Computer Science Information Systems 199
Special Studies or Projects in Computer Science Information Systems
1-3 units, 3-9 hours
Prerequisite: *Consent of instructor.*
Individual study, research or projects in the field of computer science information systems under instructor guidance. These fields can be oriented to operations, programming and systems, or software concentrations including databases system. Written reports and periodic conferences required. Content and unit credit to be determined by student/instructor conferences and/or division. May be repeated for a maximum of nine units.

Computer Science Information Systems 213 †
Intermediate UNIX
4 units, 3 hours lecture, 3 hours laboratory
Recommended Preparation: *A "C" grade or higher or "Pass" in CSIS 112 and 113 or equivalent.*
An intermediate course in operating system theory and the current implementation of at least one operating system. The course will include the analysis of general and specific operating system services and the configuration and installation of operating systems and application suite software suitable for a business or individual. The course will emphasize a 'project team' approach to the completion of exercises and projects that require hands-on practice.
Transfers to CSU

Computer Science Information Systems 220 †
Software Engineering I
3 units, 3 hours lecture
Recommended Preparation: *A "C" grade or higher or "Pass" in CSIS 110 and 115 or 293 or 296 or equivalent.*
Students learn and apply an industry accepted software development methodology that addresses the systems development life cycle. The life cycle includes identifying, analyzing and documenting the problem/requirements; planning the system development process; designing the solution; and creating a prototype of the solution. The skills, tools and methodologies are provided to qualitatively analyze and optimize systems solution, and to make decisions as software engineers.
Transfers to: CSU, UC

Computer Science Information Systems 221 †
Software Engineering II
3 units, 3 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in CSIS 220 or equivalent.*
Students learn and apply software and information systems quality assurance best practice techniques including unit testing, integration testing, system testing, acceptance testing, regression testing; test plan and test case design, and validation and verification. Students will also learn and apply best practices for software and information systems maintenance
Transfers to: CSU, UC

Computer Science Information Systems 260 †
(Administration of Justice 260)
Information Security
3 units, 3 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.
Transfers to CSU

Computer Science Information Systems 270 †
Advanced Computer Programming
3 units, 3 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in CSIS 155 or 230 A-B-C-D or 296.*
Recommended Preparation: *Based upon the backgrounds of students who have successfully completed this course, the Computer Science Information Systems Department strongly recommends completion of or concurrent enrollment in CSIS 291 or 297.*
This course emphasizes the design and development of reliable, useable, and maintainable software systems using modern design methods (top-down, object-oriented), programming languages, and operating systems. Emphasis is on proper design and implementation of small as well as large projects. Topics include: inter-process communication, mixed language modules and libraries, project management, documentation techniques, and the use of Computer-Aided Software Engineering (CASE) tools. Specific projects will address such systems as graphic libraries, graphic user interfaces (GUI), Terminate-and-Stay Resident (TSR) programs, interrupt handlers, etc.
Transfers to: CSU, UC

† This course meets all Title 5 standards for Associate Degree Credit.

Computer Science Information Systems 276 †
Introduction to SQL
3 units, 3 hours lecture
Recommended Preparation: *A "C" grade or higher or "Pass" in CSIS 110 and 274 A-B-C-D or equivalent.*
This is an introductory course in SQL (Structured Query Language) 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.
Transfers to CSU

Computer Science Information Systems 280 †
Job Search Assistance and Retention
2 units, 2 hours lecture
Corequisite: *CSIS 281 or 282.*
This course is designed to prepare the CSIS student for the world of work and to provide support and guidance through the Directed Work Experience program. This course will provide comprehensive and valuable skills that are needed to successfully secure employment in the Information Technology field. Topics covered include expectations of employers, resume preparation, interview techniques, job retention and self marketing. Students will prepare a personal profile folder to use as a resource when seeking employment.
Transfers to CSU

Computer Science Information Systems 281 †
Directed Work Experience in Computer Science Information Systems
2 units, 10 hours work experience per week
Prerequisite: *Last semester in CSIS certificate program or equivalent.*
Corequisite: *CSIS 280 or BOT 106.*
A work experience course to enable the Computer Science Information Systems student to gain practical experience in computer science information systems occupations leading to a position in an IT department. Trainee spends a minimum of ten hours weekly in on-the-job- training. (Not open to students with credit in CSIS 282) For work experience requirements, see page 30.
Transfers to CSU

Computer Science Information Systems 282 †
Directed Work Experience in Computer Science Information Systems
3 units, 15 hours work experience per week
Prerequisite: *Last semester in CSIS certificate program or equivalent.*
Corequisite: *CSIS 280 or BOT 106.*
A work experience course to enable the Computer Science Information Systems student to gain practical experience in computer science information systems occupations leading to a position in an IT department. Trainee spends a minimum of fifteen hours weekly in on-the-job- training. (Not open to students with credit in CSIS 281) For work experience requirements, see page 30.
Transfers to CSU

Computer Science Information Systems 288 †
Introduction to Visual Basic Programming
4 units, 3 hours lecture, 3 hours laboratory
Recommended Preparation: *A "C" grade or higher or "Pass" in CSIS 119 or equivalent.*
This course is designed to provide students with an introduction to Visual Basic 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.
Transfers to CSU, UC

Computer Science Information Systems 289 †
Intermediate Visual Basic Programming
4 units, 3 hours lecture, 3 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in CSIS 288 or equivalent.*
Recommended Preparation: *A "C" grade or higher or "Pass" in CSIS 132.*
This course is designed to provide students with intermediate problem-solving and computer program design, primarily in a web-based environment using Visual Basic and ASPX.
Transfers to CSU, UC

Computer Science Information Systems 290 †
Introduction to C# Programming
4 units, 3 hours lecture, 3 hours laboratory
Recommended Preparation: *A "C" grade or higher or "Pass" in CSIS 119 or equivalent.*
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.
Transfers to CSU, UC

Computer Science Information Systems 291 †
Intermediate C# Programming
4 units, 3 hours lecture, 3 hours laboratory
Prerequisite: *A "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.*
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.
Transfers to CSU, UC

Computer Science Information Systems 293 †
Introduction to Java Programming
4 units, 3 hours lecture, 3 hours laboratory
Recommended Preparation: *A "C" grade or higher or "Pass" in CSIS 110 and 119 or equivalent.*
An introductory course in Java programming focusing on object-oriented methodology. The course will include 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 the development of windowed, GUI, event driven applications.
Transfers to: CSU, UC

† This course meets all Title 5 standards for Associate Degree Credit.

Computer Science Information Systems 294 †
Intermediate Java Programming and Fundamental Data Structures
4 units, 3 hours lecture, 3 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in CSIS 293 or equivalent.*
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 and to contribute to multi-programmer teams. Java will be used extensively in the development of program solutions.
Transfers to: CSU, UC

Computer Science Information Systems 295 †
Android Application Development with Java
3 units, 2 hours lecture, 3 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in CSIS 293 or equivalent.*
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. By the end of the class, they will register as Android Developers and submit an application to the Android Market maintained by Google, Inc. 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) web browsing with Adobe Flash Player; 2) use of Google Maps; 3) location awareness with the ability to utilize/generate visual/audible directions; 4)complex Graphic User Interfaces (GUI) based on and using Android widgets; 4) development of and/or integration with telephony and networking applications; 5) sprite animation; 6) open GL graphics; 7) game development using existing game engines.
Transfers to CSU

Computer Science Information Systems 296 †
Introduction to C++ Programming
4 units, 3 hours lecture, 3 hours laboratory
Recommended Preparation: *A "C" grade or higher or "Pass" in CSIS 119 or equivalent.*
This is an introductory course in C++ program ming. 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.
Transfers to: CSU, UC

Computer Science Information Systems 297 †
Intermediate C++ Programming
4 units, 3 hours lecture, 3 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in CSIS 296 or equivalent.*
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.
Transfers to: CSU, UC

Computer Science Information Systems 298 ††
Selected Topics in Computer Science Information Systems
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in Computer Science Information Systems not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Career and Technical Education/Workforce Development in relation to the community/student need(s) and/or available staff. May be offered as a seminar, lecture or laboratory class. Pass/No Pass only.
Non-associate degree applicable

Computer Science Information Systems 299A †
Selected Topics in Computer Science Information Systems
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in Computer Science Information Systems not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Career and Technical Education/Workforce Development in relation to the community/student need(s) and/or available staff. May be offered as a seminar, lecture or laboratory class.
Associate degree applicable

Computer Science Information Systems 299B †
Selected Topics in Computer Science Information Systems
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in Computer Science Information Systems not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Career and Technical Education/Workforce Development in relation to the community/student need(s) and/or available staff. May be offered as a seminar, lecture or laboratory class.
Baccalaureate level-CSU transfer

Counseling (coun)

Counseling 095 ††
Academic and Financial Aid Planning
.5 units, 8 hours lecture session
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)

Counseling 104 †
Introduction to College Success Strategies
1 unit, 1 hour 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.

† This course meets all Title 5 standards for Associate Degree Credit.
†† This course meets all Title 5 standards for Nondegree Credit.

Counseling 110 †
Career Decision Making
1 unit, 1 hour 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.
Transfers to CSU

Counseling 120 †
College and Career Success
3 units, 3 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.
Satisfies General Education for: CSU E
Transfers to CSU, UC

Counseling 130 †
Study Skills and Time Management
1 unit, 1 hour 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.
Transfers to CSU

Counseling 137 †
Maximize Your Learning
.5 unit, 8 hour lecture session
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.
Transfers to CSU

Counseling 199
Special Studies or Projects in Personal Development
1-3 units, 3-9 hours
Prerequisite: *Consent of instructor.*
Individual study, research or projects in the field of personal development under instructor guidance. Written reports and periodic conferences required. Content and unit credit to be determined by student/instructor conferences and/or division. May be repeated for a maximum of three units.

Counseling 298 ††
Selected Topics in Personal Development
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in personal development not covered by regular catalog offerings. Course content and unit credit to be determined by the division. These courses are organized each semester in response to current needs and concern of a changing and diverse student population. Specific course titles and descriptions are printed each semester in the schedule of classes and are also available in the Counseling Center and at registration. Examples of areas that have been covered are: assertiveness, coping with change, creativity, Gestalt workshops, human consciousness, job preparation, life and career planning, orientation to college for adults, sexuality, single parents, and women's studies. Pass/No Pass only.
Non-associate degree applicable

Counseling 299A †
Selected Topics in Personal Development
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in personal development not covered by regular catalog offerings. Course content and unit credit to be determined by the division. These courses are organized each semester in response to current needs and concern of a changing and diverse student population. Specific course titles and descriptions are printed each semester in the schedule of classes and are also available in the Counseling Center and at registration. Examples of areas that have been covered are: assertiveness, coping with change, creativity, Gestalt workshops, human consciousness, job preparation, life and career planning, orientation to college for adults, sexuality, single parents, and women's studies.
Associate degree applicable

Counseling 299B †
Selected Topics in Personal Development
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in personal development not covered by regular catalog offerings. Course content and unit credit to be determined by the division. These courses are organized each semester in response to current needs and concern of a changing and diverse student population. Specific course titles and descriptions are printed each semester in the schedule of classes and are also available in the Counseling Center and at registration. Examples of areas that have been covered are: assertiveness, coping with change, creativity, Gestalt workshops, human consciousness, job preparation, life and career planning, orientation to college for adults, sexuality, single parents, and women's studies.
Baccalaureate level-CSU transfer

Cross-Cultural Studies (CCS)

Cross-Cultural Studies 114 †
(Sociology 114)
Introduction to the Sociology of Minority Group Relations
3 units, 3 hours lecture
Analysis of conflict and process between majority and minority groups and a socio-historical overview of minority group relations in the United States. Topics include a sociological analysis of theories of ethnic prejudice and racial discrimination.
Satisfies General Education for: Grossmont College D1; CSU D3 or D7 or D10; IGETC 4C or 4J
Transfers to: CSU, UC (credit limited: see page 39)

Cross-Cultural Studies 115 †
Cross-Cultural Awareness
3 units, 3 hours lecture
A theoretical overview of cross-cultural communication from the disciplines of anthropology and sociology is offered. Conflict and process in multicultural communication and interaction across cultures are emphasized. Attention is given to specific subcultures which professionals in people-centered professions will encounter.
Satisfies General Education for: Grossmont College D2; CSU D3; IGETC 4C
Transfers to: CSU, UC (credit limited: see page 39)

† This course meets all Title 5 standards for Associate Degree Credit.
†† This course meets all Title 5 standards for Nondegree Credit.

Cross-Cultural Studies 118 †
(History 118)
U.S. History: Chicano/ Chicana Perspectives I
3 units, 3 hours lecture
Recommended Preparation: *A "C" grade or higher or "Pass" in English 110 or equivalent.*
This course is designed to explore the role and development of the Mexican/ Chicano/Chicana people in the history of the Southwest United States. An examination of significant aspects of United States history with emphasis on the social, economic, political and cultural implications to Mexican/ Chicano/Chicana people in the United States. Beginning with pre-Colombian Meso-America to the Mexican-American War (1848) selected aspects of history will be highlighted for the purpose of examining the experiences and contributions of this unique indigenous ethnic group. The Federal Constitution is studied with special emphasis on the impact and effects on the Mexican/ Chicano/Chicana ethnic group. Particular attention is given to political philosophies and impact of legislation on the Mexican/Chicano/Chicana community.
Satisfies General Education for: Grossmont College D3; CSU D3 or D6; IGETC 4C, 4F
Transfers to: CSU, UC (credit limited: see page 39)

Cross-Cultural Studies 119 †
(History 119)
U.S. History: Chicano/ Chicana Perspectives II
3 units, 3 hours lecture
Recommended Preparation: *A "C" grade or higher or "Pass" in English 110 or equivalent.*
This course is designed to explore the role and development of the Chicano/Chicana people in the history of the Southwest United States. An examination of significant aspects of United States history with emphasis on the social, economic, political and cultural implications to Chicano/Chicana people in the United States. Beginning with the Mexican-American War (1848) to the present period selected aspects of history will be highlighted for the purpose of examining the experiences and contributions of this unique indigenous ethnic group. The Federal Constitution is studied with special emphasis on the impact and effects on Chicanos/Chicanas. Particular attention is given to political philosophies and impact of legislation on the Chicano/ Chicana community.
Satisfies General Education for: Grossmont College D3; CSU D3 or D6; IGETC 4C or 4F
Transfers to: CSU, UC (credit limited: see page 39)

Cross-Cultural Studies 122 †
(Spanish 122)
Spanish for the Native Speaker I
5 units, 5 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 the intermediate level in a cultural context. Exposure to the diversity within the cultures 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. This course will be taught in Spanish.
Satisfies General Education for: Grossmont College C2; CSU C2; IGETC 6A
Transfers to: CSU, UC (credit limited: see page 39)

Cross-Cultural Studies 123 †
(Spanish 123)
Spanish for the Native Speaker II
5 units, 5 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in Spanish 122 or 220 or four years of high school Spanish or equivalent.*
This course is a continuation of Cross-Cultural Studies 122 with emphasis on grammar, vocabulary building, precision in word choice, readings, and writing in selected topics within cultural contexts in art, literature, culture, history, and film as these appear in the Spanish speaking world.
Satisfies General Education for: Grossmont College C2; CSU C2; IGETC 3B, 6A
Transfers to: CSU, UC (credit limited: see page 39)

Cross-Cultural Studies 124 †
American Culture and Institutions
3 units, 3 hours lecture
An introduction to American culture stressing the governmental, political, economic, geographical and general cultural aspects of American society. An overview of the development of American values using terminology and perspectives from these social and behavioral sciences.
Satisfies General Education for: Grossmont College D1; CSU D3
Transfers to: CSU, UC

Cross-Cultural Studies 125 †
(Psychology 125)
Cross-Cultural Psychology
3 units, 3 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.
Satisfies General Education for: Grossmont College D2; CSU D3 or D9; IGETC 4C or 4I
Transfers to: CSU, UC (credit limited: see page 39)

Cross-Cultural Studies 126 †
Chicano/Chicana and Mexican Art
3 units, 3 hours lecture
A survey of Mexican art from pre-Columbian times to the present, including Chicano/Chicana folk and contemporary art. Some attention is given to relationships between Chicano/ Chicana and traditional Mexican art, as well as to the relationships among Chicano/Chicana and Anglo-American and European art.
Satisfies General Education for: Grossmont College C3; CSU C1; IGETC 3A
Transfers to: CSU, UC

Cross-Cultural Studies 127 †
Images of the Chicana/Latina
3 units, 3 hours lecture
A study of Chicanas/Latinas through the written and visual images conveyed by Chicanas/Latinas and non-Chicanas/ non-Latinas. Myths about the Chicanas/ Latinas are explored and examined against the presentation of a varied viewpoint. Attention will be given to the evolution of the literary, cultural, political and socio-economic experience of the woman of Chicana/Latina background.
Satisfies General Education for: CSU E; IGETC 4C
Transfers to: CSU, UC

† This course meets all Title 5 standards for Associate Degree Credit.

Cross-Cultural Studies 128 †
Culture and Identity: The Chicano/Chicana Experience
3 units, 3 hours lecture

This course is a broad introduction to Mexican/Chicano/Chicana culture in the United States and Mexico. Emphasis is placed on identifying and documenting the multifaceted and evolving cultural patterns which identify the Chicano/Chicana community in the United States. This course is taught from a multidisciplinary approach borrowing from the visual arts, drama, history, literature, music, and the social sciences.
Satisfies General Education for: Grossmont College D1; CSU D3; IGETC 4C
Transfers to: CSU, UC

Cross-Cultural Studies 130 †
(History 130)
U.S. History and Cultures: Native American Perspectives I
3 units, 3 hours lecture

Recommended Preparation: *A "C" grade or higher or "Pass" in English 110 or equivalent.*

An historical survey of the indigenous people throughout the North American Continent from the earliest recorded knowledge to the period of 1850. Attention will be given to Indian perspectives of native and nonnative cultures. The influence of American Indians on the Federal Constitution and the political philosophies of early Americans will be studied. Indian political organization and its parallels and differences in early American political organizations and philosophies are studied. Particular attention is given to legislation and its impact on Indian culture and society.
This course meets Track 1 Part A or Track 2 Part B of the American Institutions requirement.
Satisfies General Education for: Grossmont College D3; CSU D3 or D6; IGETC 4C, 4F
Transfers to: CSU, UC (credit limited: see page 39)

Cross-Cultural Studies 131 †
(History 131)
U.S. History and Cultures: Native American Perspectives II
3 units, 3 hours lecture

Recommended Preparation: *A "C" grade or higher or "Pass" in English 110 or equivalent.*

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.
Satisfies General Education for: Grossmont College D3; CSU D3 or D6; IGETC 4C, 4F
Transfers to: CSU, UC (credit limited: see page 39)

Cross-Cultural Studies 132 †
American Indian Lifestyles and Spirituality
3 units, 3 hours lecture

An in-depth analysis and discussion of American Indian personality development as influenced by native traditions and non-Indian influences. This course will examine the ways in which American Indians view the world, their place in it, and their responsibilities to it. Emphasis is placed on tribal and family relationships and social adjustments made by individuals. Deals with adaptability and altering of traditions and customs given the changing conditions or requirements of the times.
Satisfies General Education for: Grossmont College D1; CSU D3; IGETC 4C
Transfers to: CSU, UC

Cross-Cultural Studies 133 †
The History and Cultures of California Indians
3 units, 3 hours lecture

An historical overview of California native people and their timeless cultural elements. Areas to be studied will include: an investigation into pre-European contact cultures and the subsequent impact of Spanish missions and Anglo-American institution and values.
Satisfies General Education for: Grossmont College D1; CSU D3; IGETC 3B
Transfers to: CSU, UC

Cross-Cultural Studies 134 †
Introduction to American Indian Art
3 units, 3 hours lecture

The study of historic and modern creative art forms of American Indians. This course will investigate the historical origins of American Indian art from rock paintings to contemporary artists and artisans.
Satisfies General Education for: Grossmont College C3; CSU C1; IGETC 3A
Transfers to: CSU, UC

Cross Cultural Studies 135 †
The History and Culture of the Kumeyaay Nation
3 units, 3 hours lecture

This course offers an examination of historic Kumeyaay culture. This is an all-inclusive analysis of the history, culture, language and art forms of the Kumeyaay Nation. This course will examine the history of the Kumeyaay Nation from pre-contact, migration/relocation patterns to present day. Kumeyaay culture will be presented starting with their origins, bird songs, oral tradition, foods, family patterns, and how they have survived and maintained their culture. The Kumeyaay language will be examined with presentations from a native speaker to familiarize students with the Kumeyaay language including their oral tradition and storytelling. The various art forms of the Kumeyaay Nation will be analyzed from pre-contact to present day including hands-on basketry making instructions presented by an elder.
Satisfies General Education for: Grossmont College D1; CSU C2, D3, D6; IGETC 3B, 4C, 4F
Transfers to: CSU, UC

Cross-Cultural Studies 143 †
Images of Black Women
3 units, 3 hours lecture

A study of the images of black women in America as presented through their own writings and through the writings of others. Myths about the black woman are explored and examined against the presentation of a broad viewpoint. Self-images of black women writers are compared and contrasted with the perceptions of black women presented by other writers.
Satisfies General Education for: CSU D3; IGETC 4C;
Transfers to: CSU, UC

† This course meets all Title 5 standards for Associate Degree Credit.



Cross-Cultural Studies 144 †
(Communication 144)
Communication Studies: Race and Ethnicity
3 units, 3 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.
Satisfies General Education for: Grossmont College C2; CSU C2, D3; IGETC 3B, 4C
Transfers to: CSU, UC (credit limited: see page 39)

Cross-Cultural Studies 145 †
Black American Lifestyles
3 units, 3 hours lecture
Black American lifestyles in the past, present, and future. Examination of contemporary issues, their roots and their effects on modern day America. Black American personality development, family relationships, and social adjustment.
Satisfies General Education for: Grossmont College D1; CSU D3; IGETC 4C
Transfers to: CSU, UC

Cross-Cultural Studies 147 †
(History 147)
Middle East History and Culture
3 units, 3 hours lecture
An examination of significant historical and cultural factors that shape the perceptions, attitude, and views of the people of the Middle East. Attention will be given to the role of religion, nationalism, and Islamic currents. The relationship between the East and the West will be examined and assessed.
Satisfies General Education for: Grossmont College C1; CSU C2 or D6; IGETC 3B or 4F
Transfers to: CSU, UC (credit limited: see page 39)

Cross-Cultural Studies 149 †
(Japanese 149)
Japanese Culture and Civilization
3 units, 3 hours lecture
A 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.
Satisfies General Education for: Grossmont College C1; CSU C2; IGETC 3B
Transfers to: CSU, UC (credit limited: see page 39)

Cross-Cultural Studies 150 †
(History 150)
U.S. History: Asian American Perspectives I
3 units, 3 hours lecture
Recommended Preparation: *A "C" grade or higher or "Pass" in English 110 or equivalent.*
An historical analysis of the Asian American experience from 1848 to World War II. Attention will be given to the origins of the United States Constitution and the political philosophy of its framers. An analysis of the Asian American perspective: cultural roots, immigration and settlement patterns, labor, legal, political and social history. Emphasis is placed on Filipino Americans, Chinese Americans, Japanese Americans and recent immigrant groups from Korea and Southeast Asia.
Satisfies General Education for: Grossmont College D3; CSU D3 or D6; IGETC 4F
Transfers to: CSU, UC (credit limited: see page 39)

Cross-Cultural Studies 151 †
(History 151)
U.S. History: Asian American Perspectives II
3 units, 3 hours lecture
Recommended Preparation: *A "C" grade or higher or "Pass" in English 110 or equivalent.*
An historical analysis of the Asian American experience from WWII to the present. Attention will be given to the origins of the United States Constitution and the political philosophy of its framers. An analysis of the Asian American perspective: cultural roots, immigration and settlement patterns, labor, legal, political and social history. Emphasis is placed on Filipino Americans, Chinese Americans, Japanese Americans and recent immigrant groups from Korea and Southeast Asia.
Satisfies General Education for: Grossmont College D3; CSU D3 or D6; IGETC 4F
Transfers to: CSU, UC (credit limited: see page 39)

Cross-Cultural Studies 152 †
(French 152)
The French-Speaking World: A Cross-Cultural Perspective
3 units, 3 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.
Satisfies General Education for: Grossmont College C1; CSU C2 or D3; IGETC 3B
Transfers to: CSU, UC (credit limited: see page 39)

† This course meets all Title 5 standards for Associate Degree Credit.

Cross-Cultural Studies 153 †
(Child Development 153)
Teaching in a Diverse Society
3 units, 3 hours lecture
Analysis of the many contexts and variables related to an individual's socialization process and how these forces impact on 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.
Satisfies General Education for: Grossmont College D2
Transfers to CSU

Cross-Cultural Studies 154 †
(History 154)
Early History of Women in World Civilization
3 units, 3 hours lecture
Recommended Preparation: *A "C" grade or higher or "Pass" in English 110 or equivalent.*
This course covers the concepts and images of womanhood and gender, social economic, political, cultural and intellectual aspects of women in world society from prehistoric to the period of the Renaissance (1500 A.D.). Western and Non-Western indigenous women of color will be discussed, including those from Asia, Africa, the Americas and Europe. The objective is to gain an understanding and global view of women's past accomplishments, as well as limitations, which may illuminate their present and future.
Satisfies General Education for: Grossmont College D1; CSU D4 or D6; IGETC 4C or 4D or 4F
Transfers to: CSU, UC (credit limited: see page 39)

Cross-Cultural Studies 155 †
(History 155)
Modern History of Women in World Civilization
3 units, 3 hours lecture
Recommended Preparation: *A "C" grade or higher or "Pass" in English 110 or equivalent.*
This course covers the concepts and images of womanhood and gender, social, economic, political, cultural and intellectual aspects of women in world society from 1500 A. D. to the modern era. Western and Non-Western indigenous women of color will be discussed, including those from Asia, Africa, the Americas and Europe. The objective is to gain an understanding and global view of women's past accomplishments, as well as limitations, which may illuminate their present and future.
Satisfies General Education for: Grossmont College D1; CSU D4 or D6; IGETC 4C or 4D or 4F
Transfers to: CSU, UC (credit limited: see page 39)

Cross-Cultural Studies 170 †
American Indian Tribal Governments and Indian Sovereignty
3 units, 3 hours lecture
An introduction to traditional tribal governments and to their structure. This course examines the legal rights of tribal governments and the changing roles of federal and state governments in relations to tribal governments. Issues of sovereignty in interactions between tribal-federal and tribal-state relationships are examined.
Transfers to CSU

Cross-Cultural Studies 172 †
Tribal Gaming and the Law
3 units, 3 hours lecture
This course provides insights into the history of tribal gaming. Examines the regulatory and legal issues of tribal gaming. Deals with the Seminole Case, the Cabazon Decision, the Indian Gaming and Regulatory Act, Propositions 5 and 1A, Class I, Class II and Class III Gaming, the Tribal Government Gaming and Economic Self-Sufficiency Act of 1998 and Tribal-State Gaming Compacts. Deals with tribal gaming myths and facts, economic impact of Indian gaming and Indian Sovereignty.
Transfers to CSU

Cross-Cultural Studies 174 †
Organizational Culture of Gaming
3 units, 3 hours lecture
This course examines the overall commercial gaming industries from a wide variety of perspectives including economics, psychology, and sociology. The variety of impacts associated with gaming are examined and its implications for society. Provides an objective analysis of the economic and social impacts of gaming and legal and regulatory issues.
Transfers to CSU

Cross-Cultural Studies 176 †
Tribal Gaming Theory
3 units, 3 hours lecture
The organizational culture and applications of tribal gaming will be explored with specific attention given to the various subcultures found in this people-centered workplace. This course examines probability theory and quantitative methods in tribal gaming including game theory, odds of games and the playing of specific games. This course offers an analysis of various tribal gambling games, strategies, and examines such topics as the Kelly Criterion, randomization, tournament play, errors in game design, the organizational culture of tribal gaming and tribal gambling systems in general.
Transfers to CSU

Cross-Cultural Studies 178 †
Gambling Behavior: Addiction and Problem Gaming
3 units, 3 hours lecture
This course provides insights and understanding into gaming behavior and problem gaming. Included are studies from the fields of psychology, sociology and social work which address theories of addiction, compulsive and pathological gambling behavior, gambling and youth and pathological gambling and criminal behavior. This course will examine approaches to treatment of problem gaming and treatment strategies, gambling behavior and attributes, proactive approaches to addressing problem gaming and its prevalence in society.
Transfers to CSU

† This course meets all Title 5 standards for Associate Degree Credit.

Cross-Cultural Studies 180 †
(History 180)
U.S. History: Black Perspectives I
3 units, 3 hours lecture
Recommended Preparation: *A "C" grade or higher or "Pass" in English 110 or equivalent.*
An examination of significant aspects of United States history with emphasis on the social, economic, political, and cultural implications to Black people in the United States. Attention is given to Black history and culture beginning in ancient Africa and its ramifications on significant events in the history of America. This course traces the development of the Afro-American through the period of slavery in America to the Civil War. Parallels and differences are drawn between the national character of the early American colonists and the African slaves. The Federal Constitution is studied as well as the political philosophies of early Americans. Implications of the impact of Blacks on the Constitutional Convention, i.e., the 4/5 Clause and subsequent amendments to the United States Constitution are examined. Particular attention is given to local and state legislation, i.e., regulations of slavery, movement of Blacks and social implications.
Satisfies General Education for: Grossmont College D3; CSU D3 or D6; IGETC 4C
Transfers to: CSU, UC (credit limited: see page 39)

Cross-Cultural Studies 181 †
(History 181)
U.S. History: Black Perspectives II
3 units, 3 hours lecture
Recommended Preparation: *A "C" grade or higher or "Pass" in English 110 or equivalent.*
An examination of significant aspects of United States history from the Civil War to the present. Emphasis is placed on the socio-economic, political, and cultural experience of Black people in the United States. The study begins at the emancipation of the slaves right after the Civil War and concentrates on the free Blacks in America. The covered time period is 1865 to the present. The Federal and State Constitutions are studied with special emphasis on the amendments that were passed since the 13th amendment freed the slaves.
This course meets Track 2 Part B of the American Institutions requirement for CSU
Satisfies General Education for: Grossmont College D3; CSU D3 or D6; IGETC 4C
Transfers to: CSU, UC (credit limited: see page 39)

Cross-Cultural Studies 194 †
Community Service Learning Experience
1 unit, 5 hours work experience per week
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. For work experience requirements, see page 30.
Transfers to CSU

Cross-Cultural Studies 199
Special Studies or Projects in Cross-Cultural Studies
1-3 units, 3-9 hours
Prerequisite: *Consent of instructor.*
Individual study, research, or projects in the field of cross-cultural studies under instructor guidance. Written reports and periodic conferences required. Content and unit credit to be determined by student/instructor conferences and/or division. May be repeated for a maximum of six units.

Cross-Cultural Studies 236 †
(English 236)
Chicano Literature
3 units, 3 hours lecture
Recommended Preparation: *A "C" grade or higher or "Pass" in English 110 or equivalent.*
A survey and literary analysis of folk, traditional, and contemporary Chicano literature. Literary works originally written in English and the Chicano bilingual idiom as well as English translations of works written in Spanish will be taught.
Satisfies General Education for: Grossmont College C2; CSU C2; IGETC 3B
Transfers to: CSU, UC (credit limited: see page 39)

Cross-Cultural Studies 237 †
(English 237)
American Indian Literature
3 units, 3 hours lecture
Recommended Preparation: *A "C" grade or higher or "Pass" in English 110 or equivalent.*
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.
Satisfies General Education for: Grossmont College C2; CSU C2; IGETC 3B
Transfers to: CSU, UC (credit limited: see page 39)

Cross-Cultural Studies 238 †
(English 238)
Black Literature
3 units, 3 hours lecture
Recommended Preparation: *A "C" grade or higher or "Pass" in English 110 or equivalent.*
A survey and literary analysis of folk, traditional and contemporary Black literature. The literature as a reflection of Black experience in the world, and the effects of the literature on American culture and politics.
Satisfies General Education for: Grossmont College C2; CSU C2; IGETC 3B
Transfers to: CSU, UC (credit limited: see page 39)

Cross-Cultural Studies 298 ††
Selected Topics in Cross-Cultural Studies
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in Cross-Cultural Studies not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of English and Social/Behavioral Sciences in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class. Pass/No Pass only.
Non-associate degree applicable

Cross-Cultural Studies 299A †
Selected Topics in Cross-Cultural Studies
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in Cross-Cultural Studies not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of English and Social/Behavioral Sciences in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class.
Associate degree applicable

Cross-Cultural Studies 299B †
Selected Topics in Cross-Cultural Studies
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in Cross-Cultural Studies not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of English and Social/Behavioral Sciences in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class.
Baccalaureate level-CSU transfer

† This course meets all Title 5 standards for Associate Degree Credit.
†† This course meets all Title 5 standards for Nondegree Credit.

Culinary Arts (CA)

Culinary Arts 160 † Quantity Foods Preparation and Production

3 units, 2 hours lecture, 3 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in Culinary Arts 171 or equivalent.*
Principles and application of quantity food preparation and production. Includes effective utilization of time, equipment, finances, and personnel.
Transfers to CSU

Culinary Arts 163 † Food Purchasing for Culinary Arts

1 unit, 1 hour lecture
Purchasing policies, laws, and methods used in the health care and food service industries. Purchase of food and other cooking supplies to obtain the best quality and value.
Transfers to CSU

Culinary Arts 164 † International Cooking

3 units, 2 hours lecture, 3 hour laboratory
Prerequisite: *A "C" grade or higher or "Pass" in Culinary Arts 169 or equivalent.*
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.
Transfers to: CSU, UC

Culinary Arts 165 † Sanitation for Food Service

1 unit, 1 hour lecture
A basic course in food service sanitation leading to a San Diego County Food Service Manager 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.
Transfers to CSU

Culinary Arts 166 † Menu Management

1 unit, 1 hour lecture
Introduction and application of principles of basic menu management for the food service industry. Emphasis will be on cost control, recipe conversion, proportioning and menu creation. Basic math skills will be used to analyze cost, and prepare recipes, conversions and formulas that will provide necessary chef skills for other culinary arts courses.
Transfers to CSU

Culinary Arts 167 † Wines of the World

3 units, 3 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.
Transfers to CSU

Culinary Arts 169 † Essential Skills for Culinary Arts

3 units, 2 hours lecture, 3 hours laboratory
Introduction and application of the principles of essential culinary arts skills. Emphasis will be on essential knife skills, product identification, high production standards, attractive service, proper equipment use and good time management. These essential skills will be used to prepare recipes and formulas that will provide necessary chef skills for other culinary arts courses.
Transfers to CSU

Culinary Arts 170 † Introduction to Catering Management

3 units, 3 hours lecture
This course is designed to prepare students to enter the professional field of catering through self-employment or working within the hotel/restaurant industry. Students will be introduced to aspects of catering management including menu development, kitchen organization, cost accounting, service, rentals, staffing, contracts, legal requirements, advertising, promotion and client retention.
Transfers to CSU

Culinary Arts 171 † Intermediate Culinary Skills

3 units, 2 hours lecture, 3 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in Culinary Arts 169 or equivalent.*
Students study and experience the preparation and production of food items at grill and sauté stations. Emphasis will be placed on quality, cost, and speed of production of hot food items.
Transfers to CSU

Culinary Arts 172 † Principles of Soup, Stock and Sauce Preparation

3 units, 2 hours lecture, 3 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in Culinary Arts 169 or equivalent.*
Students are instructed in the preparation of stocks, soups and sauces. This course will also deal with the use of sauces to complement and enhance food and will stress methods of binding and repairing sauces.
Transfers to CSU

Culinary Arts 173 † Principles of Buffet and Catering

3 units, 2 hours lecture, 3 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in Culinary Arts 169 or equivalent.*
This course will include methods and procedures needed for catering and buffet service including table arrangements, decor, physical lay-out and decorative carving techniques. Students will also prepare pate, gelatins, marinated salads, smoked fish and charcuterie.
Transfers to CSU

Culinary Arts 174 † Principles of Baking and Pastry Making

3 units, 2 hours lecture, 3 hours laboratory
This course will provide students the skills and procedures needed to prepare doughs, puff pastry, meringues, etc. Instruction will stress the uniformity of results and the development of proper baking and decorating techniques.
Transfers to CSU

Culinary Arts 175 † Healthy Lifestyle Cuisine

3 units, 2 hours lecture, 3 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in Culinary Arts 169 or equivalent.*
This course is a component of the Culinary Arts and Baking and Pastry degrees and is designed to help the professional chef/cook or entry level student use methods of selecting and preparing healthier foods. The student will explore techniques of altering recipes by changing fat, protein, sodium and sugar content as well as develop and practice strategies for healthier modes of cooking.
Transfers to CSU

† This course meets all Title 5 standards for Associate Degree Credit.



"Chefs de Cuisine Association of San Diego" awarded the Chef of the Year to Chef Joe Orate with President Sunny Cooke and students (from left to right): Patrick Woodland, Steve Knapp, Caitlyn Morris, Hope Cordes, Raad Abdallah, Dori Boston, Cally Ahmadpoor, Michelle-Lynne Molina.

Culinary Arts 176 † Advanced Baking and Pastry Arts

3 units, 2 hours lecture, 3 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in Culinary Arts 174 or equivalent.*
The course will build on previous knowledge and increase proficiency in baking and pastry techniques for production. Students will explore and demonstrate a broad spectrum of classical vs. modern application of cakes, French pastries and tarts. Students will sharpen their skills in mixing and shaping of breads, including artisan breads. Students will focus on artistry and innovation in baked goods, merged with practical skills.
Transfers to CSU

Culinary Arts 177 † Commercial Baking

3 units, 2 hours lecture, 3 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in Culinary Arts 174 or equivalent.*
The course will build on previous knowledge and increase proficiency in baking and pastry techniques for mass production. Students will explore and demonstrate the preparation of a broad spectrum of breads and pastries. Students will study and demonstrate classical and modern advanced baking techniques and applications for commercial products including a variety of breads, rolls and pastries. Students will study and demonstrate the understanding and use of commercial baking tools and equipment.
Transfers to CSU

Culinary Arts 178 † Fruit, Vegetable, Ice Carving and Culinary Competition

3 units, 2 hours lecture, 3 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in Culinary Arts 169 or equivalent.*
This course is designed to prepare students to enter the professional field in the area of food preparation in the Garde Manger and Cold Food Kitchens and prepares students at skill levels for culinary competition through knowledge, practice and evaluation as designated by The American Culinary Federation. Students will be introduced to proper tools, equipment and knives for use in the production of fruit, vegetable, ice carvings and competitive culinary techniques. Training will include history, theory, design, basic principles, tips and techniques.
Transfers to CSU

Culinary Arts 180 † Advanced Food Preparation for Fine Dining

3 units, 2 hours lecture, 3 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in Culinary Arts 171 or equivalent.*
Training in advanced principles of food preparation and service. Special instruction and practice in the finer arts of food preparation as related to foods served in fine dining establishments including hotels and restaurants.
Transfers to CSU

Culinary Arts 183 † Pastry Skills in Bread Baking

3 units, 2 hours lecture, 3 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in Culinary Arts 174 or equivalent.*
The course will build on previous knowledge and increase proficiency in baking techniques for production of advanced bread baking. Students will explore and demonstrate a broad spectrum of baking styles producing artisan, European and American breads. Students will sharpen their skills in mixing and shaping of these breads. Students will focus on various types of mixing methods and bread baking, merged with practical skills.
Transfers to CSU

Culinary Arts 184 † Pastry Skills in Chocolate Preparation

3 units, 2 hours lecture, 3 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in Culinary Arts 174 or equivalent.*
The course will build on previous knowledge and increase proficiency in baking and pastry techniques for production in chocolate decoration and preparation. Students will explore and demonstrate a broad spectrum of chocolate decorations and preparations. Students will sharpen their skills in tasting, tempering, piping, modeling, decoration, garnishing, spraying, and painting with chocolate. Students will focus on artistry and innovation with chocolate decoration and preparation merged with practical skills.
Transfers to CSU

Culinary Arts 185 † Sugar Work and Decorative Centerpieces

3 units, 2 hours lecture, 3 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in Culinary Arts 174 or equivalent.*
The course will build on previous knowledge and increase proficiency in baking and pastry techniques for production in sugar work and decorative centerpieces and its preparation. Students will explore and demonstrate a broad spectrum of sugar work, decorative centerpieces and their preparations. Students will sharpen their skills in tasting, tempering, piping, decoration, garnishing, and decorating with sugar and decorative work. Students will focus on artistry and innovation with sugar work including wedding cakes, holiday cakes, gingerbread, pastillage and its preparation merged with practical skills.
Transfers to CSU

† This course meets all Title 5 standards for Associate Degree Credit.

Culinary Arts 186 †
Pastry Skills in Cake Decorating
3 units, 2 hours lecture, 3 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in Culinary Arts 174 or equivalent.*
This course will build on previous knowledge and increase proficiency in baking and pastry techniques for production. Students will explore and demonstrate a broad spectrum of classical vs. modern application of cake preparations and decorating. Students will sharpen their skills in baking techniques, piping, decorative cake garnishing and icing. Students will focus on artistry and innovation in cake décor merged with practical skills.
Transfers to CSU

Culinary Arts 199
Special Studies or Projects in Culinary Arts
1-3 units, 3-9 hours
Prerequisite: *Consent of instructor.*
Individual study, research or projects in the field of culinary arts under instructor guidance. Written reports and periodic conferences required. Content and unit credit to be determined by student/instructor conferences and/or division. May be repeated for a maximum of nine units.

Culinary Arts 280 †
Seminar for Work Experience in Culinary Arts
1 unit, 1 hour lecture
Prerequisite: *A "C" grade or higher or "Pass" in Culinary Arts 171 or equivalent.*
Seminar to accompany on-the-job work experience in Culinary Arts. Included in this course will be interviewing skills, resume writing and interpersonal relationships for work as a chef in a fine dining establishment.
Transfers to CSU

Culinary Arts 281 †
Work Experience in Culinary Arts
2 units, 120 hours work experience total unpaid or 150 hours work experience total paid
Prerequisite: *A "C" grade or higher or "Pass" in Culinary Arts 171 or equivalent.*
On-the-job work experience in Culinary Arts. Externship at a fine dining restaurant to demonstrate and increase knowledge of food preparation skills. For work experience requirements, see page 30.
Transfers to CSU

Culinary Arts 282 †
Advanced Work Experience in Culinary Arts
2 units, 120 hours work experience total unpaid or 150 hours work experience total paid
Prerequisite: *A "C" grade or higher or "Pass" in Culinary Arts 281 or equivalent.*
On-the-job work experience in Culinary Arts. Externship at a fine dining restaurant to demonstrate advanced knowledge of food preparation skills. For work experience requirements, see page 30.
Transfers to CSU

Culinary Arts 298 ††
Selected Topics in Culinary Arts
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in culinary arts not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Career and Technical Education/Workforce Development in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class. Pass/No Pass only.
Non-associate degree applicable

Culinary Arts 299A †
Selected Topics in Culinary Arts
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in culinary arts not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Career and Technical Education/Workforce Development in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class.
Associate degree applicable

Culinary Arts 299B †
Selected Topics in Culinary Arts
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in culinary arts not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Career and Technical Education/Workforce Development in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class.
Baccalaureate level-CSU transfer

† This course meets all Title 5 standards for Associate Degree Credit.
†† This course meets all Title 5 standards for Nondegree Credit.

Dance (danc)

Dance 068 †
Introduction to Dance
1 unit, 1 hour lecture, 1 hour 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 commonalties 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.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

Dance 071A †
Studio Workshop in Tap Dance I
1 unit, 1 hour lecture, 1 hour 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 be required to attend one live dance concert produced by the dance department and one department sponsored master class.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)



Dance 071B †
Studio Workshop in Tap Dance II

1 unit, 1 hour lecture, 1 hour laboratory
Recommended Preparation: *A "C" grade or higher or "Pass" in Dance 071A or Dance 081A or equivalent.*
Studio Workshop in Tap Dance II
A low 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 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 be required to attend one live dance concert produced by the dance department and one department sponsored master class.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

Dance 072A †
Studio Workshop in Modern Dance I

1 unit, 1 hour lecture, 1 hour 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 be required to attend one live dance concert produced by the dance department and one department sponsored master class.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

Dance 072B †
Studio Workshop in Modern Dance II

1 unit, 1 hour lecture, and 1 hour laboratory
Recommended Preparation: *A "C" grade or higher or "Pass" in Dance 072A or Dance 080A or equivalent.*
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 minimal 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 be required to attend one live dance concert produced by the dance department and one department sponsored master class.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

Dance 074A †
Studio Workshop in Jazz Dance I

1 unit, 1 hour lecture, 1 hour 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. Attendance is required at one live dance concert produced by the dance department, and one department sponsored master class.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

Dance 074B †
Studio Workshop in Jazz Dance II

1 unit, 1 hour lecture, and 1 hour laboratory
Recommended Preparation: *A "C" grade or higher or "Pass" in Dance 074A or Dance 084A or equivalent.*
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 loco-motor 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 be required to attend one live dance concert produced by the dance department and one department sponsored master class.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

† This course meets all Title 5 standards for Associate Degree Credit.

Dance 078A †
Studio Workshop in Ballet I
1 unit, 1 hour lecture, 1 hour 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.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

Dance 078B †
Studio Workshop in Ballet II
1 unit, 1 hour lecture, 1 hour laboratory
Recommended Preparation: *A "C" grade or higher or "Pass" in Dance 078A or Dance 088A or equivalent.*
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. Loco-motor 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.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

† This course meets all Title 5 standards for Associate Degree Credit.

Dance 080A †
Modern I
1.5 units, 1 hour lecture, 2 hours laboratory
A beginning technique class, which focuses on basic skills related to modern dance and presents dance as a form of artistic expression. This course also covers the history, theories and basic vocabulary of modern 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.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

Dance 080B †
Modern II
1.5 units, 1 hour lecture, 2 hours laboratory
Recommended Preparation: *Dance 080A or equivalent.*
A beginning/intermediate technique class, which builds on the theories and principles introduced in Dance 080A and focuses on developing intermediate level skills related to modern dance. This course also covers the history, theories and vocabulary of modern 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.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

Dance 080C †
Modern III
1.5 units, 1 hour lecture, 2 hours laboratory
Recommended Preparation: *Dance 080B or equivalent.*
An intermediate/advanced technique class, which builds on the theories and principles introduced in Dance 080B and focuses on developing intermediate/advanced level skills related to modern dance. This course also covers the history, 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.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

Dance 080D †
Modern IV
1.5 units, 1 hour lecture, 2 hours laboratory
Recommended Preparation: *Dance 080C or equivalent.*
An advanced technique class, which builds on the theories and principles introduced in Dance 080C and focuses on developing advanced level skills related to modern dance. This course also 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.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

Dance 081A †
Tap I
1.5 units, 1 hour lecture, 2 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.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

Dance 081B †
Tap II
1.5 units, 1 hour lecture, 2 hours laboratory
Recommended Preparation: *Dance 081A or equivalent.*
An intermediate technique class, which builds on the theories and principles introduced in Dance 081A and focuses on developing intermediate level skills related to tap dance. Dance sequences emphasize rhythm tap technique. This course also covers the history, theories, and vocabulary of tap 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 master class.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

Dance 081C †
Tap III
1.5 units, 1 hour lecture, 2 hours laboratory
Recommended Preparation: *Dance 081B*
An intermediate to advanced technique class in tap which builds on the theories and principles introduced in Dance 081B and focuses on developing intermediate to advanced level skills related to tap dance. Dance sequences emphasize Broadway and/or rhythm tap technique. This course also covers the history, theories and vocabulary of tap 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.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

Dance 081D †
Tap IV
1.5 units, 1 hour lecture, 2 hours laboratory
Recommended Preparation: *Dance 081C.*
An advanced level technique course in tap which builds on the theories and principles introduced in Dance 081C and focuses on developing advanced level skills related to tap dance. Dance sequences emphasize Broadway and/or rhythm style tap technique. The course also covers the history, theories and vocabulary of tap dance. 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.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

Dance 082A †
Social and Ballroom Dance I
1.5 units, 1 hour lecture, 2 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.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

Dance 082B †
Social and Ballroom Dance II
1.5 units, 1 hour lecture, 2 hours laboratory
Recommended Preparation: *A "C" grade or higher or "Pass" in Dance 082A or equivalent.*
A beginning/intermediate level class, which builds on the theories and principles introduce 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.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

Dance 084A †
Jazz I
1.5 units, 3 hours lecture/laboratory
A beginning technique class, which focuses on basic skills related to jazz dance. This course also covers 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.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

Dance 084B †
Jazz II
1.5 units, 3 hours lecture/laboratory
Recommended Preparation: *Dance 084A or equivalent.*
A beginning/intermediate technique class, which builds on the theories and principles introduced in Dance 084A and focuses on developing intermediate level skills related to jazz dance. This course also covers 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 master class.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

Dance 084C †
Jazz III
1.5 units, 3 hours lecture/laboratory
Recommended Preparation: *Dance 084B or equivalent.*
An intermediate/advanced technique class, which builds on the theories and principles introduced in Dance 084B and focuses on developing intermediate/advanced level skills related to 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 master class.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

Dance 084D †
Jazz IV
1.5 units, 3 hours lecture/laboratory
Recommended Preparation: *Dance 084C or equivalent.*
An advanced technique class, which builds on the theories and principles introduced in Dance 084C and focuses on developing advanced level skills related to jazz dance. This course also covers the history, and advanced 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 master class.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

Dance 088A †
Ballet I
1.5 units, 1 hour lecture, 2 hours laboratory
A beginning level technique class, which focuses on basic skills related to ballet. This course also covers the history, theories and basic vocabulary of ballet. 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.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

† This course meets all Title 5 standards for Associate Degree Credit.

Dance 088B †
Ballet II
1.5 units, 1 hour lecture, 2 hours laboratory
Recommended Preparation: *Dance 088A or equivalent.*
A beginning/intermediate technique course which 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 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.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

Dance 088C †
Ballet III
1.5 units, 1 hour lecture, 2 hours laboratory
Recommended Preparation: *Dance 088B or equivalent.*
An intermediate/advanced level technique course which builds on the theories and principles introduced in Dance 088B and focuses on developing intermediate/advanced skills related to ballet. This course also 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.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

Dance 088D †
Ballet IV
1.5 units, 1 hour lecture, 2 hours laboratory
Recommended Preparation: *Dance 088C or equivalent.*
An advanced technique course which builds on the theories and principles introduced in Dance 088C and focuses on developing advanced skills related to ballet. This course also 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.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

Dance 094A †
American Street Dance I
1.5 units, 1 hour lecture, 2 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, rhythmic components and interpretation of style. Emphasis is placed on developing muscle memory, stamina, and skills related to hip hop dance. Lectures focus on 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 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 sponsored master class.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

Dance 094B†
American Street Dance II
1.5 units, 1 hour lecture, 2 hours laboratory
Recommended Preparation: *Dance 094A*
A beginning/intermediate level technique class which 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 focus on 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 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 sponsored master class.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

Dance 094C†
American Street Dance III
1.5 units, 1 hour lecture, 2 hours laboratory
Recommended Preparation: *Dance 094B*
An intermediate to advanced level technique class which builds on the theories and 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 focus on 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 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 sponsored master class.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

Dance 094D†
American Street Dance IV
1.5 units, 1 hour lecture, 2 hours laboratory
Recommended Preparation: *Dance 094C*
An advanced level technique class which 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 focus on 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 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 sponsored master class.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC

† This course meets all Title 5 standards for Associate Degree Credit.

Dance 095 †
(was Dance 233)
Musical Theatre Dance
1.5 units, 1 hour lecture, 2 hours laboratory
Recommended Preparation: *A "C" grade or higher or "Pass" in Dance 084A or equivalent.*
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.
Transfers to: CSU, UC

Dance 099A †
Studio Workshop in Pointe I
1 unit, 1 hour lecture, 1 hour laboratory
Recommended Preparation: *A "C" grade or higher or "Pass" in Dance 088B or equivalent.*
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 be required to attend one live dance concert produced by the dance department, and one department sponsored master class.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

Dance 099B †
Studio Workshop in Pointe II
1 unit, I hour lecture, 1 hour laboratory
Recommended Preparation: *A "C" grade or higher or "Pass" in Dance 099A or equivalent.*
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 be required to attend one live dance concert produced by the dance department and one department sponsored master class.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

Dance 099C †
Studio Workshop in Pointe III
1 unit, I hour lecture, 1 hour laboratory
Recommended Preparation: *A "C" grade or higher or "Pass" in Dance 099B or equivalent.*
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 be required to attend one live dance concert produced by the dance department and one department sponsored master class.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

Dance 110 †
Dance History
3 units, 3 hours lecture
The development of dance from pre-Christian civilizations to the present. An appreciation course of interest to the viewer of dance as well as to the dance student.
Satisfies General Education for: Grossmont College C3, CSU C1, IGETC 3A
Transfers to: CSU, UC

Dance 116 †
Stretch and Alignment
1.5 units, 3 hours lecture/laboratory
This course is designed to help the student increase flexibility and improve body alignment. Floor exercises, mat work, and center floor combinations focus on safe, effective stretching. Emphasis is placed on proper body alignment while moving thus preventing injuries while performing a full range of movement. Individual alignment problems will be addressed. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

Dance 118A †
Pilates I
1.5 units, 1 hour lecture, 2 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.
Transfers to CSU

Dance 118B †
Pilates II
1.5 units, 1 hour lecture, 2 hours laboratory
Recommended Preparation: *A "C" grade or higher or "Pass" in Dance 118A or equivalent.*
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.
Transfers to CSU

Dance 118C †
Pilates III
1.5 units, 1 hour lecture, 2 hours laboratory
Recommended Preparation: *A "C" grade or higher or "Pass" in Dance 118B or equivalent.*
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.
Transfers to CSU

† This course meets all Title 5 standards for Associate Degree Credit.

Dance 118D †
Pilates IV
1.5 units, 1 hour lecture, 2 hours laboratory
Recommended Preparation: *A "C" grade or higher or "Pass" in Dance 118C or equivalent.*
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.
Transfers to CSU

Dance 121 †
Beginning Teaching Practicum–Dance
1.5 units, 3 hours lecture/laboratory
Prerequisite: *Successful completion of Dance 080B or 084B or 088B or 116 or 118 or equivalent.*
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.
Transfers to CSU

Dance 122 †
Intermediate Teaching Practicum–Dance
1.5 units, 3 hours lecture/laboratory
Prerequisite: *Successful completion of Dance 121 or equivalent.*
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.
Transfers to CSU

Dance 123 †
Advanced Teaching Practicum–Dance
1.5 units, 3 hours lecture/laboratory
Prerequisite: *Successful completion of Dance 122.*
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.
Transfers to CSU

Dance 199
Special Studies or Projects in Dance
1-3 units, 3-9 hours
Prerequisite: *Consent of instructor.*
Individual study, research or projects in the field of dance under instructor guidance. Written reports and periodic conferences required. Content and unit credit to be determined by student/instructor conferences and/or division. May be repeated for a maximum of nine units.

Dance 201 †
Dance Theatre Performance I
1 unit, 3 hours laboratory
Prerequisite: *Audition.*
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.
Transfers to: CSU, UC

Dance 202 †
Dance Theatre Performance II
2 units, 6 hours laboratory
Prerequisite: *Audition.*
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.
Transfers to: CSU, UC

Dance 203 †
Dance Theatre Performance III
3 units, 9 hours laboratory
Prerequisite: *Audition.*
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.
Transfers to: CSU, UC

Dance 205 †
Choreography and Improvisation I
2 units, 1 hour lecture, 3 hours laboratory
Recommended Preparation: *Dance 080A, 084A or 088A or equivalent.*
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.
Transfers to: CSU, UC

† This course meets all Title 5 standards for Associate Degree Credit.

Dance 206 †
Choreography and Improvisation II
2 units, 1 hour lecture, 3 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in Dance 205 or equivalent.*
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.
Transfers to: CSU, UC

Dance 223 †
Student Choreography for Production I
2.5 units, 7.5 hours laboratory
Prerequisite: *Audition*
Recommended Preparation: *A "C" grade or higher or "Pass" in Dance 205 or equivalent.*
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.
Transfers to: CSU, UC

Dance 224 †
Student Choreography for Production II
2.5 units, 7.5 hours laboratory
Prerequisite: *Audition*
Recommended Preparation: *A "C" grade or higher or "Pass" in Dance 205 or equivalent.*
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.
Transfers to: CSU, UC

Dance 225 †
Student Choreography for Production III
2.5 units, 7.5 hours laboratory
Prerequisite: *Audition*
Recommended Preparation: *A "C" grade or higher or "Pass" in Dance 205 or equivalent.*
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.
Transfers to: CSU, UC

Dance 227 †
Performance Ensemble I
1 unit, 3 hours laboratory
Prerequisite: *Audition*
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.
Transfers to CSU

Dance 228 †
Performance Ensemble II
1.5 units, 4.5 hours laboratory
Prerequisite: *Audition*
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.
Transfers to CSU

Dance 229 †
Performance Ensemble III
2 units, 6 hours laboratory
Prerequisite: *Audition*
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.
Transfers to CSU

Dance 230 †
Performance Ensemble IV
2.5 units, 7.5 hours laboratory
Prerequisite: *Audition*
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.
Transfers to CSU

Dance 298 ††
Selected Topics in Dance
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in dance not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Arts, Languages and Communication in relation to current needs and resources. May be offered as a seminar or lecture class. Pass/No Pass only.
Non-associate degree applicable

† This course meets all Title 5 standards for Associate Degree Credit.
†† This course meets all Title 5 standards for Nondegree Credit.

Dance 299A †
Selected Topics in Dance
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in dance not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Arts, Languages and Communication in relation to current needs and resources. May be offered as a seminar or lecture class.
Associate degree applicable

Dance 299B †
Selected Topics in Dance
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in dance not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Arts, Languages and Communication in relation to current needs and resources. May be offered as a seminar or lecture class.
Baccalaureate level-CSU transfer

Economics (ECON)

Economics 110 †
Economic Issues and Policies
3 units, 3 hours lecture
A one-semester economics course designed to give the student a general elementary knowledge of basic economic concepts and to serve as an introduction to more advanced economics courses. The course will survey current economic subjects such as inflation, unemployment, environmental protection, monopoly, income distribution and poverty, international trade, and the role of government in the economy. (May not be taken if Economics 120 or 121 has been taken.)
Satisfies General Education for: Grossmont College D1; CSU D2; IGETC 4B
Transfers to: CSU, UC (credit limited: see page 39)

Economics 120 †
Principles of Macroeconomics
3 units, 3 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in Math 103 or equivalent or a "C" grade or higher or "Pass" in Math 110 or equivalent.*
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 macro-economic 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.
Satisfies General Education for: Grossmont College D1; CSU D2; IGETC 4B
Transfers to: CSU, UC

Economics 121 †
Principles of Microeconomics
3 units, 3 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in Math 103 or equivalent or a "C" grade or higher or "Pass" in Math 110 or equivalent.*
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.
Satisfies General Education for: Grossmont College D1; CSU D2; IGETC 4B
Transfers to: CSU, UC

Economics 195 A-B-C-D †
Internship in Economics
1 unit, 5 hours work experience per week
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. For work experience requirements, see page 30.
Transfers to CSU

Economics 197 †
Internship in Economics
2 units, 10 hours work experience per week
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. For work experience requirements, see page 30.
Transfers to CSU

Economics 199
Special Studies or Projects in Economics
1-3 units, 3-9 hours
Prerequisite: *Consent of instructor.*
Individual study, research or projects in the field of economics under instructor guidance. Written reports and periodic conferences required. Content and unit credit to be determined by student/instructor conferences and/or division. May be repeated for a maximum of nine units.

Economics 261 †
Economic Relations of the Asia Pacific
3 units, 3 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.
Satisfies General Education for: CSU D2; IGETC 4B
Transfers to: CSU, UC

Economics 298 ††
Selected Topics in Economics
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in economics not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of English and Social/Behavioral Sciences in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class. Pass/No Pass only.
Non-associate degree applicable

† This course meets all Title 5 standards for Associate Degree Credit.
†† This course meets all Title 5 standards for Nondegree Credit.

Economics 299A †
Selected Topics in Economics
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in economics not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of English and Social/ Behavioral Sciences in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class.
Associate degree applicable

Economics 299B †
Selected Topics in Economics
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in economics not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of English and Social/ Behavioral Sciences in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class.
Baccalaureate level-CSU transfer

Education (ED)

Education 199
Special Studies or Projects in Education
1-3 units, 3-9 hours
Prerequisite: *Consent of instructor.*
Individual study, research or projects in the field of education under instructor guidance. Written reports and periodic conferences required. Content and unit credit to be determined by student/ instructor conferences and/or division. May be repeated for a maximum of nine units.

Education 200 †
Teaching as a Profession
3 units, 3 hours lecture
Prerequisite: *None. Limitation on enrollment: health and safety for a public school field experience placement.*
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.
Transfers to: CSU, UC

Education 298 ††
Selected Topics in Education
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in education not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Career and Technical Education/Workforce Development in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class. Pass/No Pass only.
Non-associate degree applicable

Education 299A †
Selected Topics in Education
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in education not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Career and Technical Education/Workforce Development in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class.
Associate degree applicable

Education 299B †
Selected Topics in Education
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in education not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Career and Technical Education/Workforce Development in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class.
Baccalaureate level-CSU transfer

English (ENGL)

English 061 ††
(was English 051A)
Writing Skills I
1 unit, 1 hour lecture, 1 hour laboratory
This is the first course in a four-course sequence. This course focuses on a review of correct written expression through the study of sentence level language skills. This course is offered on a Pass/No Pass basis only. (Nondegree credit only)

English 062 ††
(was English 051B)
Writing Skills II
1 unit, 1 hour lecture, l hour laboratory
This second in a four-course sequence, English 062 focuses on correct written expression through the continued study of sentence level language skills complemented with basic paragraph writing. This course is offered on a Pass/No Pass basis only. (Nondegree credit only)

English 063 ††
(was English 051C)
Writing Skills III
1 unit, 1 hour lecture, l hour laboratory
The third in a four-course sequence, English 063 focuses on using the writing process necessary to organize well-developed cohesive paragraphs with particular attention to sentence level editing skills. This course is offered on a Pass/No Pass basis only. (Nondegree credit only)

English 064 ††
(was English 051D)
Writing Skills IV
1 unit, 1 hour lecture, l hour laboratory
The last in a four-course sequence, English 064 focuses on correct written expression through the continued study of language skills coupled with basic essay development. This course is offered on a Pass/No Pass basis only. (Nondegree credit only)

English 080 ††
English Study Skills
1 unit, 1 hour lecture
Course content will include a reinforcement of cognitive strategies that underlie the reading and writing processes: vocabulary development; the efficient use of textbooks to include previewing, note-taking and summarizing; and learning and practicing the critical reading, writing and communication skills needed to succeed in subsequent levels of English. This course is offered on a Pass/No Pass basis only. (Nondegree credit course)

English 090 ††
Basic English Skills
3 units, 3 hours lecture, 1 hour laboratory
Recommended Preparation: *Completion of the assessment process with appropriate score for entrance to English 090.*
English 90 is intended for native speakers of English of those fluent in English. This course provides an introduction to short paragraph writing with attention to planning, drafting, developing, and revising ideas. Students will study and apply knowledge of basic grammatical structures needed to improve sentence clarity and the communication of ideas. In addition, students will read short model paragraphs and essays to identify main ideas and key supporting details in order to improve their own writing skills. This course is offered on a Pass/No Pass basis only. (Nondegree credit course).

† This course meets all Title 5 standards for Associate Degree Credit.
†† This course meets all Title 5 standards for Nondegree Credit.

English 090R ††
Reading Skills Development
3 units, 3 hours lecture, 1 hour laboratory
Recommended Preparation: *Completion of assessment process with appropriate score for entrance to English 090. Concurrent enrollment in English 090.*
This course is designed as a developmental course for students who read and speak English and need to improve basic reading skills. Emphasis is placed on building vocabulary, improving comprehension, increasing reading speed, and applying basic study skills. This course is offered on a Pass/No Pass basis only. (Nondegree credit course)

English 098 ††
English Fundamentals
4 units, 4 hours lecture
Prerequisite: *"Pass" grade in English 090 and English 090R or a "C" grade or higher or "Pass" in English 105 or equivalent or assessment recommendation for English 098.*
Recommended Preparation: *Concurrent enrollment in English 098R.*
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)

English 098R ††
Reading Fundamentals
3 units, 3 hours lecture, 1 hour laboratory
Prerequisite: *"Pass" grade in English 090 and 090R or equivalent or assessment recommendation for English 098.*
Recommended Preparation: *Concurrent enrollment in English 098.*
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)

English 105 †
College Reading
3 units, 3 hours lecture
This course is a systematic reading improvement program to enhance effective reading skills and strategies for native speakers of English or those who are fluent in English. Emphasis is placed on expanding vocabulary, improving reading comprehension, and increasing speed. Students will also learn basic strategies for inferential and critical reading.

English 108 †
College Vocabulary
2 units, 2 hours lecture
Systematic study of word origins and relationships. Emphasis on recognition and accumulation of college level vocabulary.
Transfers to CSU

English 110 †
College Composition
3 units, 3 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in English 098 or equivalent or completion of the assessment process with appropriate score for entrance to English 110.*
English 110 is designed to prepare students for entry into English 120. Students will practice the writing process by composing essays with an emphasis on effective expression through the study of appropriate language skills. Students will read critically, analyze, and evaluate expository, argumentative, and imaginative writing. By the end of the course, students will be able to write a position paper by using and acknowledging multiple sources.
Transfers to CSU

English 110R †
Principles of College Reading
3 units, 3 hours lecture, 1 hour laboratory
Prerequisite: *A "C" grade or higher or "Pass" in English 098 or assessment score indicating placement in English 110.*
Recommended Preparation: *Concurrent enrollment in English 110.*
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.
Transfers to CSU

English 112 †
Essentials of Literature
3 units, 3 hours lecture
Recommended Preparation: *Based upon the backgrounds of students who have successfully completed this course, the English Department strongly recommends the completion of English 098 or an assessment recommendation for English 110 or 120 (see Matriculation, page 8).*
Reading and discussion of selected prose, poetry, and plays. Writing of short, critical, and personal responses.
Satisfies General Education for: Grossmont College C2; CSU C2
Transfers to CSU

English 118 †
Linguistics and English: An Introduction to Language
3 units, 3 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in English 110 or equivalent or assessment for English 120.*
A general survey of the study of language; its origin, its development, its structure, its meaning. The principles and practice of modern linguistics as applied to the study of English.
Satisfies General Education for: Grossmont College C2; CSU C2
Transfers to: CSU, UC

English 120 †
College Composition and Reading
3 units, 3 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in English 110 or ESL 119 or equivalent or assessment recommendation for English 120.*
This first semester transfer-level composition course is designed to develop critical reading and writing skills essential to academic inquiry across the disciplines. Based on analysis and evaluation of texts, and in response to particular audiences and purposes, students will construct expository and argumentative papers, including an extended argument, which synthesizes, integrates, and acknowledges multiple sources.
Satisfies General Education for: Grossmont College A1; CSU A2; IGETC 1A
Transfers to: CSU, UC

† This course meets all Title 5 standards for Associate Degree Credit.
†† This course meets all Title 5 standards for Nondegree Credit.

English 122 †
Introduction to Literature
3 units, 3 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in English 120 or equivalent.*
Introduces literature through the reading, analysis, and discussion of various genres such as short stories, poetry, drama, novels, myths, essays and folktales. Literature encompasses different time periods and a variety of male and female authors from around the world. Students will use the literature to write critical and appreciative essays.
Satisfies General Education for: Grossmont College C2; CSU C2; IGETC 3B
Transfers to: CSU, UC

English 124 †
Advanced Composition: Critical Reasoning and Writing
3 units, 3 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in English 120 or equivalent.*
This course is designed to develop critical thinking, reading, and writing skills beyond the level achieved in English 120. The course will focus on the development of logical reasoning and analytical and argumentative writing skills.
Satisfies General Education for: Grossmont College A1; CSU A3; IGETC 1B
Transfers to: CSU, UC

English 126 †
Creative Writing
3 units, 3 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in English 110 or assessment recommendation for English 120 or equivalent.*
Recommended Preparation: *A "C" grade or higher or "Pass" in English 120.*
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.
Satisfies General Education for: Grossmont College C3
Transfers to: CSU, UC

English 130 †
Short Fiction Writing I
3 units, 3 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in English 110 or equivalent or assessment recommendation for English 120.*
Recommended Preparation: *A "C" grade or higher or "Pass" in English 126.*
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.
Transfers to: CSU, UC (credit limited: see page 39)

English 131 †
Short Fiction Writing II
3 units, 3 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in English 130 or equivalent.*
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.
Transfers to: CSU, UC (credit limited: see page 39)

English 132 †
Short Fiction Writing III
3 units, 3 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in English 131 or equivalent.*
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.
Transfers to: CSU, UC (credit limited: see page 39)

English 133 †
Short Fiction Writing IV
3 units, 3 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in English 132 or equivalent.*
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.
Transfers to: CSU, UC (credit limited: see page 39)

English 134 †
Creative Nonfiction Writing I
3 units, 3 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in English 110 or equivalent or assessment recommendation for English 120.*
Recommended Preparation: *A "C" grade or higher or "Pass" in English 126 or equivalent.*
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.
Satisfies General Education for Grossmont College C2
Transfers to: CSU, UC (credit limited: see page 39)

† This course meets all Title 5 standards for Associate Degree Credit.

English 135 †
Creative Nonfiction Writing II

3 units, 3 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in English 134 or equivalent.*
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.
Satisfies General Education for Grossmont College C2
Transfers to: CSU, UC (credit limited: see page 39)

English 136 †
Creative Nonfiction Writing III

3 units, 3 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in English 135 or equivalent.*
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.
Satisfies General Education for Grossmont College C2
Transfers to: CSU, UC (credit limited: see page 39)

English 137 †
Creative Nonfiction Writing IV

3 units, 3 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in English 136 or equivalent.*
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.
Satisfies General Education for Grossmont College C2
Transfers to: CSU, UC (credit limited: see page 39)

English 140 †
Poetry Writing I

3 units, 3 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in English 110 or equivalent or assessment recommendation for English 120.*
Recommended Preparation: *A "C" grade or higher or "Pass" in English 126 or equivalent.*
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.
Transfers to: CSU, UC (credit limited: see page 39)

English 141 †
Poetry Writing II

3 units, 3 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in English 140 or equivalent.*
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.
Transfers to: CSU, UC (credit limited: see page 39)

English 142 †
Poetry Writing III

3 units, 3 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in English 141 or equivalent.*
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.
Transfers to: CSU, UC (credit limited: see page 39)

English 143 †
Poetry Writing IV

3 units, 3 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in English 142 or equivalent.*
The 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.
Transfers to: CSU, UC (credit limited: see page 39)

English 145 †
The Acorn Review: Editing and Production I

3 units; 3 hours lecture
Recommended Preparation: *A "C" grade or higher or "Pass" in English 126 or equivalent.*
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.
Transfers to CSU

English 146 †
The Acorn Review: Editing and Production II

3 units, 3 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in English 145 or equivalent.*
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.
Transfers to CSU

† This course meets all Title 5 standards for Associate Degree Credit.

English 147 †
The Acorn Review: Editing and Production III
3 units, 3 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in English 146 or equivalent.*
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.
Transfers to CSU

English 148 †
The Acorn Review: Editing and Production IV
3 units, 3 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in English 147 or equivalent.*
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.
Transfers to CSU

English 160 †
Drama Writing I
3 units, 3 hours lecture
Prerequisite: *A "C" grade or higher in English 110 or assessment recommendation for English 120.*
Recommended Preparation: *A "C" grade or higher or "Pass" in English 126 or equivalent.*
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.
Transfers to: CSU, UC (credit limited: see page 39)

English 161 †
Drama Writing II
3 units, 3 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in English 160 or equivalent.*
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.
Transfers to: CSU, UC (credit limited: see page 39)

English 162 †
Drama Writing III
3 units, 3 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in English 161 or equivalent.*
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.
Transfers to: CSU, UC (credit limited: see page 39)

English 163
Drama Writing IV
3 units, 3 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in English 162 or equivalent.*
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.
Transfers to: CSU, UC (credit limited: see page 39)

English 175 †
Novel Writing I
3 units, 3 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in English 110 or equivalent or assessment recommendation for English 120.*
Recommended Preparation: *A "C" grade or higher or "Pass" in English 126 or equivalent.*
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.
Transfers to CSU, UC (credit limited: see page 39)

English 176 †
Novel Writing II
3 units, 3 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in English 175 or equivalent.*
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.
Transfers to CSU, UC (credit limited: see page 39)

English 177 †
Novel Writing III
3 units, 3 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in English 176 or equivalent.*
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.
Transfers to CSU, UC (credit limited: see page 39)

† This course meets all Title 5 standards for Associate Degree Credit.



English 178 †
Novel Writing IV
3 units, 3 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in English 177 or equivalent.*
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.
Transfers to CSU, UC (credit limited: see page 39)

English 195 A-B-C-D †
Community Service Learning Experience
1 unit, 5 hours work experience per week
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. For work experience requirements, see page 30.

English 199
Special Studies or Projects in English
1-3 units, 3-9 hours
Prerequisite: *Consent of instructor.*
Individual study, research or projects in the field of English under instructor guidance. Written reports and periodic conferences required. Content and unit credit to be determined by student/instructor conferences and/or division. May be repeated for a maximum of nine units.

English 201 †
Images of Women in Literature
3 units, 3 hours lecture
Designed to examine the portrait which literature, past and present, gives of women and to examine such literature from the historical, literary and woman's point of view. English 201 is a course in literature, focusing on fictions about women—fictions which sometimes project myths both men and women, themselves, perpetuate (often as a result of socialization and lack of knowledge of woman's historical roles). English 201 is not a feminist course. Any and all viewpoints will be acceptable; proof, however, will be drawn from the texts themselves.
Satisfies General Education for: Grossmont College C2; CSU C2; IGETC 3B
Transfers to: CSU, UC

English 203 †
Children's Literature
3 units, 3 hours lecture
A survey of children's literature, from folktales to current realism, including historical and cultural diversity. Emphasis upon definition and application of literary elements and differentiating qualities between "good" and "poor" children's books. The course will prepare students to hook children on books, cultural literacy and great ideas.
Satisfies General Education for Grossmont College C2
Transfers to CSU

English 215 †
Mythology
3 units, 3 hours lecture
Recommended Preparation: *A "C" grade or higher or "Pass" in English 098 or an assessment recommendation for English 110 or 120.*
Designed to explore the similarities among the myths of widely separated peoples as a means not only of interpreting their literature and art, but of understanding the basic interrelationships among all people of the great civilizations of the world.
Satisfies General Education for: Grossmont College C2; CSU C2; IGETC 3B
Transfers to: CSU, UC

English 217 †
Fantasy and Science Fiction
3 units, 3 hours lecture
Recommended Preparation: *A "C" grade or higher or "Pass" in English 098 or equivalent or an assessment recommendation for English 110 or 120.*
An introduction to 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.
Satisfies General Education for: Grossmont College C2; CSU C2; IGETC 3B
Transfers to: CSU, UC

English 218 †
Shakespeare—His Plays and the Theatre of His Time
3 units, 3 hours lecture
Recommended Preparation: *A "C" grade or higher or "Pass" in English 098 or an assessment recommendation for English 110 or 120.*
Reading and discussion of six to seven selected Shakespeare plays—including the play(s) being produced or viewed locally, that represent the full range of his works. 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, videotapes, recordings of the plays and theatre tours.
Satisfies General Education for: Grossmont College, C2, CSU C2
Transfers to CSU, UC

English 219 †
Views of Death and Dying in Literature
3 units, 3 hours lecture
Recommended Preparation: *A "C" grade or higher or "Pass" in English 098 or an assessment recommendation for English 110 or 120.*
This course will examine works of literature whose predominant subject focuses on attitudes toward death and dying as a practical and philosophical concern.
Satisfies General Education for: Grossmont College C2, CSU C2 or E; IGETC 3B
Transfers to: CSU, UC

English 221 †
British Literature I
3 units, 3 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in English 120 or equivalent.*
Recommended Preparation: *English 122.*
Surveys British literature from the Old English Period to the Romantic Period. Students will read and interpret literature against a background of the historical, social, and philosophical developments of the time. Reading selections may consist of poetry, plays, novels, satires, and nonfiction prose, including letters and essays. Authors sampled may include Geoffrey Chaucer, William Langland, Edmund Spencer, William Shakespeare, Ben Johnson, John Milton, Lady Mary Wroth, Aphra Behn, and Jonathon Swift.
Satisfies General Education for: Grossmont College C2; CSU C2; IGETC 3B
Transfers to: CSU, UC

† This course meets all Title 5 standards for Associate Degree Credit.

English 222 †
British Literature II
3 units, 3 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in English 120 or equivalent.*
Recommended Preparation: *English 122.*
Surveys British literature from the Romantic Period to the present. Students will read and interpret literature against a background of the historical, social, and philosophical developments of the time. Reading selections may consist of poetry, short stories, plays, novels, and nonfiction prose, including letters and essays. Authors sampled may include William Blake, Mary Wollstonecraft, William Wordsworth, Samuel Coleridge, Lord Byron, Percy Shelley, John Keats, Robert Browning, Emily Bronte, Oscar Wilde, Jane Austen, Thomas Hardy, William Yeats, Virginia Woolf, James Joyce, Doris Lessing, and Derek Walcott.
Satisfies General Education for: Grossmont College C2; CSU C2; IGETC 3B
Transfers to: CSU, UC

English 225 †
The Bible as Literature: Narratives of the Hebrew People
3 units, 3 hours lecture
This course covers the Old Testament narratives of the Hebrew people as well as foundations for creation stories, folk tales, and epics. The complete series of English 225-226-227-228 presents an introduction to the books of the Old and New Testaments from a non-sectarian literary, historical, and cultural perspective.
Satisfies General Education for: CSU C2; IGETC 3B
Transfers to: CSU, UC (credit limited: see page 39)

English 226 †
The Bible as Literature: Old Testament History and Writings of the Prophets
3 units, 3 hours lecture
This course covers Old Testament history and writings of the major and minor prophets. The complete series of English 225-226-227-228 presents an introduction to the books of the Old and New Testaments from a Non-sectarian literary, historical, and cultural perspective.
Satisfies General Education for: CSU C2; IGETC 3B
Transfers to: CSU, UC (credit limited: see page 39)

English 227 †
The Bible as Literature: The Literary Forms of the Old Testament
3 units, 3 hours lecture
This course covers the varied literary forms of the Old Testament, including visionary and apocalyptic stories as well as lyrical and wisdom poetry. The complete series of English 225-226-227-228 presents an introduction to the books of the Old and New Testaments from a Non-sectarian literary, historical, and cultural perspective.
Satisfies General Education for: CSU C2; IGETC 3B
Transfers to: CSU, UC (credit limited: see page 39)

English 228 †
The Bible as Literature: The Literary Forms of the New Testament
3 units, 3 hours lecture
This course covers the literary of the New Testament, including the synoptic gospels, the parables, the epistles, and visionary literature. The complete series of English 225-226-227-228 presents an introduction to the books of the Old and New Testaments from a Non-sectarian literary, historical, and cultural perspective.
Satisfies General Education for: CSU C2; IGETC 3B
Transfers to: CSU, UC (credit limited: see page 39)

English 231 †
American Literature I
3 units, 3 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in English 120 or equivalent.*
Recommended Preparation: *English 122.*
First course in the study of American literature which explores literary works and their political, religious, economic, and aesthetic context from pre-Colonial American to the Civil War. Reading selections may consist of poetry, short stories, novels, and nonfiction prose, including essays, letters, political tracts, and autobiographies. Authors such as the following will be read, analyzed, discussed, and written about in essays and exams: pre-Colonial Native American authors, William Bradford, Anne Bradstreet, Benjamin Franklin, Thomas Jefferson, Ralph Waldo Emerson, Henry David Thoreau, Edgar Allan Poe, Walt Whitman, Frederick Douglass, and Francis Harper.
Satisfies General Education for: Grossmont College C2; CSU C2; IGETC 3B
Transfers to: CSU, UC

English 232 †
American Literature II
3 units, 3 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in English 120 or equivalent.*
Recommended Preparation: *English 122.*
Second course in the study of American literature which explores literary works and their political, religious, economic, and aesthetic context from the Civil War to the present. Reading selections may consist of poetry, short stories, novels, plays, and nonfiction prose, including letters and essays. Authors such as the following will be read, analyzed, discussed, and written about in essays and exams: Mark Twain, Henry James, Walt Whitman, Kate Chopin, Charlotte Perkins Gilman, Ernest Hemingway, William Faulkner, Langston Hughes, Tennessee Williams, Allen Ginsburg, Alice Walker, and Leslie Marmon Silko.
Satisfies General Education for: Grossmont College C2; CSU C2, IGETC 3B
Transfers to: CSU, UC

English 236 †
(Cross-Cultural Studies 236)
Chicano Literature
3 units, 3 hours lecture
Recommended Preparation: *A "C" grade or higher or "Pass" in English 110 or equivalent.*
A survey and literary analysis of folk, traditional, and contemporary Chicano literature. Literary works originally written in English and the Chicano bilingual idiom as well as English translations of works written in Spanish will be taught.
Satisfies General Education for: Grossmont College C2; CSU C2; IGETC 3B
Transfers to: CSU, UC (credit limited: see page 39)

English 237 †
(Cross-Cultural Studies 237)
American Indian Literature
3 units, 3 hours lecture
Recommended Preparation: *A "C" grade or higher or "Pass" in English 110 or equivalent.*
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.
Satisfies General Education for: Grossmont College C2; CSU C2; IGETC 3B
Transfers to: CSU, UC (credit limited: see page 39)

† This course meets all Title 5 standards for Associate Degree Credit.

English 238 †
(Cross-Cultural Studies 238)
Black Literature
3 units, 3 hours lecture
Recommended Preparation: *A "C" grade or higher or "Pass" in English 110 or equivalent.*
A survey and literary analysis of folk, traditional and contemporary Black literature. The literature as a reflection of Black experience in the world, and the effects of the literature on American culture and politics.
Satisfies General Education for: Grossmont College C2; CSU C2; IGETC 3B
Transfers to: CSU, UC (credit limited: see page 39)

English 241 †
Literature of the Western World I
3 units, 3 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in English 110 or equivalent or assessment recommendation for English 120.*
Recommended Preparation: *A "C" grade or higher or "Pass" in English 122 or equivalent.*
First course in the study of Literature of the Western World which explores literary works and their political, religious, economic, and aesthetic context from the Ancient World to the Renaissance. Reading selections may consist of epic poetry, plays, lyrics, stories, and nonfiction prose, including philosophy, political tracts, and essays. Authors from The Ancient World, The Middle Ages and The Renaissance will be read, analyzed, discussed, and written about in essays and exams.
Satisfies General Education for: Grossmont College C2; CSU C2; IGETC 3B
Transfers to: CSU, UC

English 242 †
Literature of the Western World II
3 units, 3 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in English 110 or equivalent or assessment recommendation of English 120.*
Recommended Preparation: *A "C" grade or higher or "Pass" in English 122 or equivalent.*
Second course in the study of Literature of the Western World which explores literary works and their political, religious, economic, and aesthetic context from The Enlightenment to the present. Reading selections may consist of poetry, plays, philosophical tales, short stories, novels, and nonfiction prose, including essays and autobiographies. Authors from the Enlightenment: 19th Century Romanticism, Realism, Naturalism, and Symbolism; and 20th Century Modernism and Contemporary Explorations will be read, analyzed, discussed, and written about in essays and exams.
Satisfies General Education for: Grossmont College C2; CSU C2; IGETC 3B
Transfers to: CSU, UC

English 275 †
Literary Period
3 units, 3 hours lecture
Recommended Preparation: *English 120.*
Course provides in-depth study of a literary period. Readings selected will cover a body of literature drawn from one literary period (e.g., The Beat Generation, Contemporary World Poetry, Naturalism, or Postmodern Fiction) 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.
Satisfies General Education for Grossmont College C2
Transfers to CSU

English 276 †
Major Author
3 units, 3 hours lecture
Recommended Preparation: *English 120.*
Course provides in-depth study of a major author. Readings selected will cover a breadth of literature drawn from one major author (e.g., Sylvia Plath, James Joyce, Tennessee Williams or Fyodor Dostoyevsky) 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.
Satisfies General Education for Grossmont College C2
Transfers to CSU

English 277 †
Literary Theme
3 units, 3 hours lecture
Recommended Preparation: *English 120.*
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.
Satisfies General Education for Grossmont College C2
Transfers to CSU

English 298 ††
Selected Topics in English
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in English not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of English and Social/Behavioral Sciences in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class. Pass/No Pass only.
Non-associate degree applicable

English 299A †
Selected Topics in English
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in English not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of English and Social/Behavioral Sciences in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class.
Associate degree applicable

English 299B †
Selected Topics in English
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in English not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of English and Social/Behavioral Sciences in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class.
Baccalaureate level-CSU transfer

English as a Second Language (ESL)

English as a Second Language 070 ††
Basic Introduction to ESL–Literacy
6 units, 6 hours lecture
Recommended Preparation: *Concurrent enrollment in ESL 071*
This is the literacy course in the first level of the ESL course sequence. Students learn to read and write the English alphabet and sound system as well as simple word and sentence level grammar, reading and writing. They also learn basic classroom rules and communication necessary for success in academic settings. This course is offered on a Pass/No Pass basis only. (Non-degree credit course.)

† This course meets all Title 5 standards for Associate Degree Credit.
†† This course meets all Title 5 standards for Nondegree Credit.

English as a Second Language 071 ††
Basic Introduction to ESL-Communication

6 units, 6 hours lecture

Recommended Preparation: *Concurrent enrollment in ESL 070*

This is the communication course in the first level of the ESL course sequence. Students develop basic listening and speaking skills beginning with the sounds of the English alphabet and progressing to simple word, phrase and sentence level interaction. They also learn basic classroom culture and communication necessary for success in academic settings. This course is offered on a Pass/No Pass basis only. (Non-degree credit course.)

English as a Second Language 080 ††
Introduction to ESL–Literacy

6 units, 6 hours lecture

Recommended Preparation: *Advisory placement in ESL 080 or equivalent based on an ESL assessment process.*

This bridging course is for students who assess below ESL I (096). Students learn basic written English communication skills as well as problem-solving and intercultural skills necessary for success in the academic setting of the first level of ESL classes. Concurrent enrollment in ESL 081 is strongly advised. This course is offered on a Pass/No Pass basis only. (Nondegree credit course)

English as a Second Language 081 ††
Introduction to ESL–Communication Skills

6 units, 6 hours lecture

Recommended Preparation: *Advisory placement in ESL 080 or equivalent based on an ESL assessment process.*

This bridging course is for students who assess below ESL I (096). Students develop basic listening and speaking skills appropriate in an academic setting. Concurrent enrollment in ESL 080 is strongly advised. This six-unit course is offered on a Pass/No Pass basis only. (Nondegree credit course)

English as a Second Language 090 ††
American English Pronunciation I

3 units, 3 hours lecture

This is a beginning course designed to assist non-native American English learners in developing both oral and aural language skills through the improvement of understanding spoken English and articulation of the language. All lessons are designed to assist non-native speakers with limited vocabulary and grammatical accuracy beginning their acquisition of English. Beginning level exercises include repetition and oral discrimination exercises; stress, rhythm, and intonation exercises; as well as various other types of oral production activities, including poster talks, situational role-plays, short planned or impromptu speeches, and informal debates. Beginning-level listening tasks include aural discrimination exercises, listening to and evaluating short student speeches, dictations, note-taking, and listening comprehension tests. This course is offered on a Pass/No Pass basis only. (Nondegree credit course.)

English as a Second Language 095 ††
ESL Basic Writing Skills

2 units, 2 hours lecture, 1 hour laboratory

Recommended Preparation: *Advisory placement at the level of ESL 096 or ESL 100 or equivalent based on an ESL assessment process.*

This low intermediate level course is designed to reinforce and expand upon the basic writing skills introduced in ESL I (096) and ESL II (100). The course includes the study of sentence structure, paragraph format and organization, basic grammar, spelling, and vocabulary. One hour a week will be spent in the English Writing Center doing word processing and/or completing software modules designed to reinforce and develop the basic skills introduced in the class. This course is offered on a Pass/No Pass basis only. (Nondegree credit course)

English as a Second Language 096 ††
English as a Second Language I

5 units, 5 hours lecture, 1 hour TBA

Prerequisite: *Successful completion of ESL 080 and 081 or advisory placement in ESL 096 based on an ESL assessment process.*

The first core course in the study of English grammar, reading, and writing designed for students whose first language is other than English. The course includes the study of basic grammar and sentence structure, paragraph format and organization, and reading skills. One hour a week will be spent in the English Writing Center on word processing and/or completing software modules designed to reinforce and develop the grammar, reading, and writing skills introduced in class. This course is offered on a Pass/No Pass basis only. (Nondegree credit course)

English as a Second Language 096R ††
ESL Reading and Vocabulary Development III

3 units, 3 hours lecture

Prerequisite: *A "Pass" grade in ESL 080 or ESL 081 or advisory placement in ESL 096 based on an ESL assessment process.*

This high-beginning level course is designed to develop ESL students' vocabulary and reading ability. The focus is on improving reading skills and strategies as well as understanding and using academic vocabulary. Students are encouraged to take this class concurrently with their ESL 096 course. This course is offered on a pass/no pass basis only. (Nondegree credit course)

English as a Second Language 097 ††
Listening and Speaking I

3 units, 3 hours lecture

Prerequisite: *A "Pass" grade in ESL 080 and 081 or advisory placement in ESL 096 based on an ESL assessment process.*

This is a low intermediate course designed to improve students' fluency and accuracy in spoken English and listening comprehension. Students will be required to do a variety of speaking and listening tasks and exercises in small groups and individually. Content will focus on themes frequently encountered in social situations, such as family, work, school, and current events. This course is offered on a Pass/No Pass basis only. (Nondegree credit course.)

English as a Second Language 100 †
English as a Second Language II

5 units, 5 hours lecture, 1 hour TBA

Prerequisite: *A "Pass" grade in ESL 096 or assessment recommendation for ESL 100.*

Recommended Preparation: *A "Pass" grade in ESL 098.*

The second core course in the study of English grammar, reading, and writing designed for students whose first language is other than English. The course further develops and adds to the basic skills taught in English as a Second Language I—grammar and sentence structure, paragraph organization and development, and reading skills. One hour a week will be spent in the English Writing Center on word processing and/or completing software modules designed to reinforce and develop the grammar, reading, and writing skills introduced in class.

† This course meets all Title 5 standards for Associate Degree Credit.
†† This course meets all Title 5 standards for Nondegree Credit.

English as a Second Language 100R †
ESL Reading and Vocabulary Development IV

3 units, 3 hours lecture

Prerequisite: *A "Pass" grade in ESL 096R or advisory placement in ESL 100 based on an ESL assessment process.*

This low-intermediate level course is designed to develop ESL students' vocabulary and reading ability. The focus is on improving reading skills and strategies as well as understanding and use of academic vocabulary. Students are encouraged to take this class concurrently with ESL 100.

English as a Second Language 101 †
Listening and Speaking II

3 units, 3 hours lecture

Recommended Preparation: *A "Pass" grade in ESL 097 or advisory placement in ESL 100 or ESL 103 or equivalent based on an ESL assessment process.*

This is an intermediate level course designed to improve students' fluency and accuracy in spoken English and listening comprehension in social, academic, and professional situations. Students will be required to do a variety of speaking and listening tasks and exercises in small groups and individually. Content will focus on a variety of professional and academic themes as well as current events.

English as a Second Language 103 †
English as a Second Language III

5 units, 5 hours lecture, 1 hour TBA

Prerequisite: *A "C" grade or higher or "Pass" in ESL 100 or assessment recommendation for ESL 103.*

Recommended Preparation: *A "C" grade or higher or "Pass" in ESL 102.*

The third core course in the study of English grammar, reading, and writing designed for students whose first language is not English. The course reviews and expands the academic literacy skills taught in English as a Second Language II (ESL 100). The course includes the study of grammar, sentence structure, paragraph and essay organization and development, and reading skills. One hour a week will be spent in the English Writing Center on tutorials, word processing, and/or completing software assignments designed to reinforce and develop the grammar, reading, and writing skills introduced in class.

Transfers to: CSU, UC (credit limited: see page 39)

† This course meets all Title 5 standards for Associate Degree Credit.
†† This course meets all Title 5 standards for Nondegree Credit.

English as a Second Language 103R †
ESL Reading and Vocabulary Development V

3 units, 3 hours lecture

Prerequisite: *A "C" grade or higher or "Pass" in ESL 100R or advisory placement in ESL 103 based on an ESL assessment process.*

This high-intermediate level course is designed to develop the students' academic vocabulary and ability to read college-level texts. The focus is on improving reading skills and strategies as well as the understanding and use of academic vocabulary. Students are encouraged to take this class concurrently with ESL 103.

English as a Second Language 104 †
Listening and Speaking III

3 units, 3 hours lecture

Recommended Preparation: *A "C" grade or higher or "Pass" in ESL 101 or advisory placement in ESL 103 or 106 or equivalent based on the ESL assessment process.*

This is an advanced level course designed to improve students' fluency and accuracy in spoken English and listening comprehension. Emphasis is on developing the learning strategies, language functions, and cultural awareness needed in academic and professional settings, such as summarizing and paraphrasing, agreeing and disagreeing, clarifying, and generalizing. Content will focus on a variety of professional and academic themes and may include current events.

English as a Second Language 106 †
English as a Second Language IV

5 units, 5 hours lecture, 1 hour TBA

Prerequisite: *A "C" grade or higher or "Pass" in ESL 103 or assessment recommendation for ESL 106.*

The fourth core course in the study of English grammar, reading, and writing designed for students whose first language is not English. This course develops and takes to a higher level of the academic literacy skills taught in English as a Second Language III and includes the study of advanced grammar and sentence structure paragraph and essay organization and development, and advanced reading skills. One hour a week will be spent in the English Writing Center on word processing and/or completing software modules designed to reinforce and develop the grammar, reading, and writing skills introduced in class.

Transfers to: CSU, UC (credit limited: see page 39)

English as a Second Language 106R †
ESL Reading and Vocabulary Development VI

3 units, 3 hours lecture

Prerequisite: *A "C" grade or higher or "Pass" in ESL 103R or advisory placement in ESL 106 based on an ESL assessment process.*

Recommended Preparation: *Concurrent enrollment in ESL 106 and a "C" grade or higher or "Pass" in ESL 105 or equivalent.*

This advanced course in reading and vocabulary development is designed for ESL students enrolled in college courses that require intensive and extensive reading skills and critical thinking. The focus is on the development of a greater understanding, appreciation, and perspective of written works through the analysis of the techniques and purposes of specific writers and genres. Students will continue to practice and master various reading strategies and vocabulary skill building employed by independent readers. In addition to developing reading comprehension and increasing academic vocabulary, students will improve their ability to communicate the information and concepts in course reading materials orally and in writing.

Transfers to CSU

English as a Second Language 107 ††
Oral Communication Skills

2 units, 2 hours lecture

This is an intensive short-term intermediate level course in the study of English. The course focus is on developing the students' accuracy and fluency in oral communication skills. Activities are designed to integrate listening, speaking, and pronunciation practice. Students will be required to complete a variety of listening and speaking tasks and exercises in small groups and independently. Content will focus on high-interest professional and academic themes as well as current events. This course is offered on a Pass/No Pass basis only. (Nondegree credit course)

English as a Second Language 108 †
Written Communication Skills

2 units, 2 hours lecture

This is an intensive short-term intermediate-level course in the study of English. It includes the study of grammar and sentence structure, paragraph and essay organization and development, and reading skills. This course is offered on a Pass/No Pass basis only.



English as a Second Language 109 ††
American English Pronunciation II
3 units, 3 hours lecture

This is an intermediate-level course designed to assist non-native American English learners in developing both oral and aural language skills through the improvement of understanding spoken English and articulation of the language. Intermediate-level lessons include repetition and oral discrimination exercises; stress, rhythm, and intonation exercises; as well as various other types of oral production activities, including poster talks, situational role-plays, short planned or impromptu speeches, and informal debates. Intermediate-level listening tasks include aural discrimination exercise, listening to and evaluating short student speeches, dictations, note-taking and listening comprehension tests. Students are expected to reduce their accent when speaking American English in addition to a number of problems with grammatical accuracy. Improvement scores are based on both student and teacher analyses and assessments. This course is offered on a Pass/No Pass basis only. (Nondegree credit course.)

English as a Second Language 112 †
Academic Vocabulary and Usage
2 units, 2 hours lecture

Recommended Preparation: *A "C" grade or higher or "Pass" in ESL 103 or assessment recommendation for ESL 106.*

An advanced level vocabulary course designed to increase students' academic vocabulary to help prepare them for college-level courses in a variety of disciplines. Emphasis is on techniques for acquiring new vocabulary as well as utilizing this vocabulary in a variety of academic skills.
Transfers to CSU

English as a Second Language 119 †
English as a Second Language V
5 units, 5 hours lecture, 1 hour laboratory

Prerequisite: *A "C" grade or higher or "Pass" in ESL 106 or equivalent or assessment recommendation for ESL 119.*

The fifth core course in the study of English grammar, reading, and writing is designed to prepare ESL students for entry into English 120. Students will practice the writing process by composing essays with effective and accurate expression. Students will develop their academic literacy by employing advanced techniques of essay and research writing with an emphasis on critical thinking, argumentation or other rhetorical strategies, synthesis of research materials, and academic citation. They will learn effective strategies for reducing errors in grammar, punctuation, and usage and will develop self-editing skills. One hour a week of class will be held in a computer lab completing software and/or Internet-based modules designed to reinforce and develop the grammar, reading, writing, and research skills introduced in class.
Transfers to: CSU, UC (credit limited: see page 39)

English as a Second Language 199
Special Studies or Projects in English as a Second Language
1-3 units, 3-9 hours

Prerequisite: *Consent of instructor.*

Individual study, research or projects in the field of English as a Second Language under instructor guidance. Written reports and periodic conferences required. Content and unit credit to be determined by student/instructor conferences and/or division. May be repeated for a maximum of nine units.

English as a Second Language 298 ††
Selected Topics in English as a Second Language
1-3 units, 3-9 hours

Prerequisite: *Varies with topic.*

Selected topics in English as a Second Language not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of English and Social/Behavioral Sciences in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class. Pass/No Pass only.
Non-associate degree applicable

English as a Second Language 299A †
Selected Topics in English as a Second Language
1-3 units, 3-9 hours

Prerequisite: *Varies with topic.*

Selected topics in English as a Second Language not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of English and Social/Behavioral Sciences in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class.
Associate degree applicable

English as a Second Language 299B †
Selected Topics in English as a Second Language
1-3 units, 3-9 hours

Prerequisite: *Varies with topic.*

Selected topics in English as a Second Language not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of English and Social/Behavioral Sciences in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class.
Baccalaureate level-CSU transfer

† This course meets all Title 5 standards for Associate Degree Credit.
†† This course meets all Title 5 standards for Nondegree Credit.

Exercise Science and Wellness (ES)

Students should progress from beginning through intermediate and advanced levels in the courses that have an "ABC" designation to facilitate success, and should not move backwards in levels. The only courses that may be repeated are the intercollegiate athletic courses numbered 200-240, 262 and 263, which may be taken 4 times maximum. No other ES courses may be repeated for credit. Intercollegiate athletic courses do NOT meet the fitness/wellness requirement.

Adaptive Exercise Science

Exercise Science 001, 002, 003, 029, 030, 035, 121, 150 and 156 have been designed to meet the needs of the students participating in the Disabled Students Program. For other course offerings related to the Disabled Students Program, see Personal Development-Special Services.

I. Physical Fitness (001-029)

Exercise Science 001 † Adapted Physical Exercise

1 unit, 1 hour lecture, 1 hour laboratory

Assessment of physical performance status and physical evaluation. Individually prescribed exercise programs for physically challenged students. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness. Activities and sports adapted to students' capabilities.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

Exercise Science 002 † Advanced Adapted Physical Exercise

1 unit, 1 hour lecture, 1 hour laboratory
Recommended Preparation: *Successful completion of ES 001.*

Advanced physical exercise for the physically challenged with emphasis on muscular fitness through weight resistance exercises. Includes assessment of physical parameters, including muscular strength, muscular endurance and flexibility. Individually prescribed weight training programs will be developed for each student. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

Exercise Science 003 † Adapted Aerobic Fitness

1 unit, 1 hour lecture, 1 hour laboratory

This course is offered for the physically challenged individual and provides a total fitness experience including methods of strength attainment and flexibility training, with emphasis on aerobic conditioning by means of walking, jogging, stationary bicycle, rowing machine and/or bicycle. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

Exercise Science 004A † Beginning Fitness for the Newcomer

1 unit, 1 hour lecture, 1 hour 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.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limit: see page 39)

Exercise Science 004B † Intermediate Fitness for the Newcomer

1 unit, 1 hour lecture, 1 hour laboratory
Recommended Preparation: *A "C" grade or higher or "Pass" in ES 004A or equivalent or specified skill competencies.*

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.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limit: see page 39)

Exercise Science 004C † Advanced Fitness for the Newcomer

1 unit, 1 hour lecture, 1 hour laboratory
Recommended Preparation: *A "C" grade or higher or "Pass" in ES 004B or equivalent or specified skill competencies.*

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.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limit: see page 39)

† This course meets all Title 5 standards for Associate Degree Credit.

Exercise Science 005A † Beginning Aerobic Fitness and Weight Training

1.5 units, 1 hour lecture, 2 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/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.

Satisfies General Education for Grossmont College Area E

Transfers to: CSU, UC (credit limited: see page 39)

Exercise Science 005B † Intermediate Aerobic Fitness and Weight Training

1.5 units, 1 hour lecture, 2 hours laboratory

***Recommended Preparation:** A "C" grade or higher or "Pass" in ES 005A or equivalent or specified skill competencies.*

A continuation of ES 005A emphasizing the development of an intermediate level of aerobic fitness and weight training. Students will complete more physical challenging activities to achieve an intermediate level of cardiorespiratory 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.

Satisfies General Education for Grossmont College Area E

Transfers to: CSU, UC (credit limit: see page 39)

Exercise Science 005C † Advanced Aerobic Fitness and Weight Training

1.5 units, 1 hour lecture, 2 hours laboratory

***Recommended Preparation:** A "C" grade or higher or "Pass" in ES 005B or equivalent or specified skill competencies.*

A continuation of ES 005B emphasizing the development of an advanced level of aerobic fitness and weight training. Students will complete more physical challenging activities to achieve an advanced level of cardiorespiratory 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.

Satisfies General Education for Grossmont College Area E

Transfers to: CSU, UC (credit limit: see page 39)

Exercise Science 006A † Beginning Total Body Fitness

1 unit, 1 hour lecture, 1 hour laboratory

This course is designed to provide a beginning level total body workout utilizing weight machines and exercycles. The circuit involves a personalized workload which allows students to progress at their own rate. The components of fitness (cardiovascular endurance, muscular strength, muscular endurance and flexibility) are presented in a sequentially monitored program or circuit. In addition, students will be presented with nutritional and health information, as well as factors that affect training in order to assist them in their creation of a healthy lifestyle.

Satisfies General Education for Grossmont College Area E

Transfers to: CSU, UC (credit limited: see page 39)

Exercise Science 006B † Intermediate Total Body Fitness

1 unit, 1 hour lecture, 1 hour laboratory

***Recommended Preparation:** A "C" grade or higher or "Pass" in ES 006A or equivalent or specified skill competencies.*

A continuation of ES 006A emphasizing the development of an intermediate level of circuit training. Students will complete more physically challenging techniques on exercise equipment to achieve an intermediate level of fitness. The components of fitness (cardiovascular endurance, muscular strength, muscular endurance and flexibility) are presented in a sequentially monitored program or circuit. In addition, students will explore nutrition and health information as well as the factors that affect training in order to assist them in their creation of a healthy lifestyle.

Satisfies General Education for Grossmont College Area E

Transfers to: CSU, UC (credit limit: see page 39)

Exercise Science 006C † Advanced Total Body Fitness

1 unit, 1 hour lecture, 1 hour laboratory

***Recommended Preparation:** A "C" grade or higher or "Pass" in ES 006B or equivalent or specified skill competencies.*

A continuation of ES 006B emphasizing the development of an advanced level of circuit training. Students will complete highly advanced techniques on exercise equipment to achieve an advanced level of fitness. The components of fitness (cardiovascular endurance, muscular strength, muscular endurance and flexibility) are presented in a sequentially monitored program or circuit. In addition, students will explore nutrition and health information as well as the factors that affect training in order to assist them in their creation of a healthy lifestyle.

Satisfies General Education for Grossmont College Area E

Exercise Science 007A † Beginning Aerobic Walking for Fitness and Wellness

1.5 units, 1 hour lecture, 2 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.

Satisfies General Education for Grossmont College Area E

Transfers to: CSU, UC (credit limited: see page 39)

Exercise Science 007B † Intermediate Aerobic Walking for Fitness and Wellness

1.5 units, 1 hour lecture, 2 hours laboratory

***Recommended Preparation:** A "C" grade or higher or "Pass" in ES 007A or equivalent or specified skill competencies.*

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.

Satisfies General Education for Grossmont College Area E

† This course meets all Title 5 standards for Associate Degree Credit.

Exercise Science 007C † Advanced Aerobic Walking for Fitness and Wellness

1.5 units, 1 hour lecture, 2 hours laboratory
Recommended Preparation: *A "C" grade or higher or "Pass" in ES 007B or equivalent or specified skill competencies.*
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.
Satisfies General Education for Grossmont College Area E

Exercise Science 008 † Senior Fitness for Wellness

1.5 units, 1 hour lecture, 2 hours laboratory
This course is designed to provide age-related individually-based fitness programs to meet the aerobic, strength, and flexibility needs of the senior populations. Components of physical fitness, the benefits of an active lifestyle, and the role exercise plays in the prevention and treatment of specific health problems will be identified and studied. Nutritional influences on health and wellness will be presented as will information on topics relevant and specific to the senior population.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

Exercise Science 009A † Beginning Aerobic Dance Exercise

1 unit, 1 hour lecture, 1 hour 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.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

Exercise Science 009B † Intermediate Aerobic Dance Exercise

1 unit, 1 hour lecture, 1 hour laboratory
Recommended Preparation: *A "C" grade or higher or "Pass" in ES 009A or equivalent or specified skill competencies.*
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.
Satisfies General Education for Grossmont College Area E

Exercise Science 009C † Advanced Aerobic Dance Exercise

1 unit, 1 hour lecture, 1 hour laboratory
Recommended Preparation: *A "C" grade or higher or "Pass" in ES 009B or equivalent or specified skill competencies.*
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.
Satisfies General Education for Grossmont College Area E

Exercise Science 017A † Beginning Trail Hiking

1 unit, 1 hour lecture, 1 hour 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.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

Exercise Science 017B † Intermediate Trail Hiking

1 unit, 1 hour lecture, 1 hour laboratory
Recommended Preparation: *A "C" grade or higher or "Pass" in ES 017A or equivalent or specified skill competencies.*
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.
Satisfies General Education for Grossmont College Area E

Exercise Science 017C † Advanced Trail Hiking

1 unit, 1 hour lecture, 1 hour laboratory
Recommended Preparation: *A "C" grade or higher or "Pass" in ES 017B or equivalent or specified skill competencies.*
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.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

Exercise Science 021A † Beginning Fitness for Chronic Disease and Injury Prevention

1.5 units, 1 hour lecture, 2 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.
Satisfies General Education for Grossmont College Area E
Transfers to CSU

† This course meets all Title 5 standards for Associate Degree Credit.

Exercise Science 021B † Intermediate Fitness for Chronic Disease and Injury Prevention

1.5 units, 1 hour lecture, 2 hours laboratory
Recommended Preparation: *A "C" grade or higher or "Pass" in ES 021A or equivalent or specified skill competencies.*
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.
Satisfies General Education for Grossmont College Area E
Transfers to CSU

Exercise Science 021C † Advanced Fitness for Chronic Disease and Injury Prevention

1.5 units, 1 hour lecture, 2 hours laboratory
Recommended Preparation: *A "C" grade or higher or "Pass" in ES 021B or equivalent or specified skill competencies.*
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.
Satisfies General Education for Grossmont College Area E
Transfers to CSU

Exercise Science 023A † Beginning Weight Training

1 unit, 1 hour lecture, 1 hour laboratory
Instruction and practice in resistance training with emphasis in beginning level use of weight machines and free weights. Emphasis will be placed on proper beginning techniques of resistance lifting, individualized muscular strength/endurance programs and the practice of appropriate exercise to meet student-specific fitness objectives. Students will also learn the fundamental principles of physical fitness and their impact on a life-long health and wellness.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

Exercise Science 023B † Intermediate Weight Training

1unit, 1 hour lecture, 1 hour laboratory
Recommended Preparation: *A "C" grade or higher or "Pass" in ES 023A or equivalent or specified skill competencies.*
A continuation of ES 023A, this course emphasizes the development of an intermediate level resistance training with weight machines and free weights. More complex movement patterns, routines and equipment will be used to increase intensity of exercise to achieve an increased level of fitness. Students will also learn the complex principles of physical fitness and their impact on a life-long health and wellness.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

Exercise Science 023C † Advanced Weight Training

1unit, 1 hour lecture, 1 hour laboratory
Recommended Preparation: *A "C" grade or higher or "Pass" in ES 023B or equivalent or specified skill competencies.*
A continuation of ES 023B, this course emphasizes the advanced critical analysis of methods used to assess, develop, and perform resistance principles involved in Power lifting and Olympic lifts. Emphasis will be placed on highly complex movement patterns, routines and equipment will be used to increase intensity of exercise to achieve an elite level of fitness. Students will also learn the complex applications of selected biomechanical models of resistance principles, rehabilitation exercises, and competitive lifting.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

Exercise Science 024A † Beginning Fitness Boot Camp

1 unit, 1 hour lecture, l hour 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
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

Exercise Science 024B † Intermediate Fitness Boot Camp

1unit, 1 hour lecture, 1 hour laboratory
Recommended Preparation: *A "C" grade or higher or "Pass" in ES 024A or equivalent or specified skill competencies.*
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.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

† This course meets all Title 5 standards for Associate Degree Credit.

Exercise Science 024C † Advanced Fitness Boot Camp

1 unit, 1 hour lecture, 1 hour laboratory
Recommended Preparation: *A "C" grade or higher or "Pass" in ES 024B or equivalent or specified skill competencies.*
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.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

Exercise Science 027 † T'ai Chi Ch'uan

1 unit, 1 hour lecture, 1 hour laboratory
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.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

Exercise Science 028A † Beginning Yoga

1.5 units, 1 hour lecture, 2 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.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

Exercise Science 028B † Intermediate Yoga

1.5 units, 1 hour lecture, 2 hours laboratory
Recommended Preparation: *A "C" grade or higher or "Pass" in ES 028A or equivalent or specified skill competencies.*
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.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

Exercise Science 028C † Advanced Yoga

1.5 units, 1 hour lecture, 2 hours laboratory
Recommended Preparation: *A "C" grade or higher or "Pass" in ES 028B or equivalent or specified skill competencies.*
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.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

Exercise Science 029 † Adapted Yoga

1 unit, 1 hour lecture, 1 hour 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.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

† This course meets all Title 5 standards for Associate Degree Credit.

II. Aquatics (030-059)

Exercise Science 030 † Adapted Aquatic Sports Education

1 unit, 1 hour lecture, 1 hour laboratory

A class for physically challenged students in various aquatic sports and recreational activities. This class is designed to offer the student experience in competitive swimming, water polo, other aquatic games and conditioning exercises. Individual programs will be designed for each student. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness.

Satisfies General Education for Grossmont College Area E

Transfers to: CSU, UC (credit limited: see page 39)

Exercise Science 035 † Adapted Swimming for the Physically Limited

1 unit, 1 hour lecture, 1 hour laboratory

Instruction and practice in the basic swimming and aquatic skills. Instruction will be individualized to meet each student's needs. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness.

Satisfies General Education for Grossmont College Area E

Transfers to: CSU, UC (credit limited: see page 39)

Exercise Science 037A † Beginning Springboard Diving

1 unit, 1 hour lecture, 1 hour laboratory

Recommended Preparation: *A "C" grade or higher or "Pass" in ES 039 or equivalent or basic swimming/water safety skills.*

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.

Satisfies General Education for Grossmont College Area E

Transfers to: CSU, UC (credit limited: see page 39)

Exercise Science 037B † Intermediate Springboard Diving

1unit, 1 hour lecture, 1 hour laboratory

Recommended Preparation: *A "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.*

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.

Satisfies General Education for Grossmont College Area E

Transfers to: CSU, UC (credit limited: see page 39)

Exercise Science 037C † Advanced Springboard Diving

1unit, 1 hour lecture, 1 hour laboratory

Recommended Preparation: *A "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.*

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.

Satisfies General Education for Grossmont College Area E

Transfers to: CSU, UC (credit limited: see page 39)

Exercise Science 039 † Swimming for Nonswimmers

1 unit, 1 hour lecture, 1 hour 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.

Satisfies General Education for Grossmont College Area E

Transfers to: CSU, UC (credit limited: see page 39)

Exercise Science 040A † Beginning Aquatic Fitness

1 unit, 1 hour lecture, 1 hour laboratory

Recommended Preparation: *Successful completion of ES 039 or basic comfort level in and around an aquatic environment.*

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.

Satisfies General Education for Grossmont College Area E

Transfers to: CSU, UC (credit limited: see page 39)

Exercise Science 040B † Intermediate Aquatic Fitness

1unit, 1 hour lecture, 1 hour laboratory

Recommended Preparation: *A "C" grade or higher or "Pass" in ES 040A or equivalent or specified skill competencies.*

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.

Satisfies General Education for Grossmont College Area E

Transfers to: CSU, UC (credit limited: see page 39)

† This course meets all Title 5 standards for Associate Degree Credit.

Exercise Science 040C † Advanced Aquatic Fitness

1 unit, 1 hour lecture, 1 hour laboratory
Recommended Preparation: *A "C" grade or higher or "Pass" in ES 040B or equivalent or specified skill competencies.*
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.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

Exercise Science 041 † Adapted Water Aerobics

1.5 units, 1 hour lecture, 2 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.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

Exercise Science 043A † Beginning Swimming

1 unit, 1 hour lecture, 1 hour laboratory
Recommended Preparation: *A "C" grade or higher or "Pass" in ES 039 or equivalent or specified skill competencies.*
This class is designed for students who already have some swimming ability and are safe in the water but who need stroke improvement. Students will receive instruction and practice in the basic swimming strokes and diving. Emphasis will be placed on technique improvement and conditioning. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

Exercise Science 043B † Intermediate Swimming

1 unit, 1 hour lecture, 1 hour laboratory
Recommended Preparation: *A "C" grade or higher or "Pass" in ES 043A or equivalent or specified skill competencies.*
Instruction and practice in ten different swimming strokes. The emphasis will be on stroke improvement, performance and conditioning. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

Exercise Science 043C † Advanced Swimming

1 unit, 1 hour lecture, 1 hour laboratory
Recommended Preparation: *A "C" grade or higher or "Pass" in ES 043B or equivalent or specified skill competencies.*
Advanced swimming instruction and conditioning. This course is designed for students who wish to use swimming as a means for physical conditioning, including those involved in triathlons or Masters swim programs. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

Exercise Science 044A † Beginning Lap Swimming for Health and Fitness

1 unit, 1 hour lecture, 1 hour laboratory
Recommended Preparation: *A "C" grade or higher or "Pass" in ES 039 or equivalent or specified skill competencies.*
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.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

Exercise Science 044B † Intermediate Lap Swimming for Health and Fitness

1 unit, 1 hour lecture, 1 hour laboratory
Recommended Preparation: *A "C" grade or higher or "Pass" in ES 044A or equivalent or specified skill competencies.*
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.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

Exercise Science 044C † Advanced Lap Swimming for Health and Fitness

1 unit, 1 hour lecture, 1 hour laboratory
Recommended Preparation: *A "C" grade or higher or "Pass" in ES 044B or equivalent or specified skill competencies.*
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.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

Exercise Science 047 † Lifeguard Training

2 units, 2 hours lecture, 1 hour 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 and Safety Certificate, and CPR For The Professional Rescuer Certificate.
Transfers to: CSU, UC (credit limited: see page 39)

† This course meets all Title 5 standards for Associate Degree Credit.

Exercise Science 051 †
American Red Cross Water Safety Instructors
2 units, 2 hours lecture, 1 hour 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.
Transfers to: CSU, UC (credit limited: see page 39)

III. Racquet Sports (060-079)

Exercise Science 060A †
Beginning Badminton
1 unit, 1 hour lecture, 1 hour 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.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

Exercise Science 060B †
Intermediate Badminton
1 unit, 1 hour lecture, 1 hour laboratory
Recommended Preparation: *A "C" grade or higher or "Pass" in ES 060A or equivalent or specified skill competencies.*
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.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

Exercise Science 060C †
Advanced Badminton
1 unit, 1 hour lecture, 1 hour laboratory
Recommended Preparation: *A "C" grade or higher or "Pass" in ES 060B or equivalent or specified skill competencies.*
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.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

Exercise Science 076A †
Beginning Tennis
1 unit, 1 hour lecture, 1 hour 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.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

Exercise Science 076B †
Intermediate Tennis
1 unit, 1 hour lecture, 1 hour laboratory
Recommended Preparation: *A "C" grade or higher or "Pass" in ES 076A or equivalent or specified skill competencies.*
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.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

Exercise Science 076C †
Advanced Tennis
1 unit, 1 hour lecture, 1 hour laboratory
Recommended Preparation: *A "C" grade or higher or "Pass" in ES 076B or equivalent or specified skill competencies.*
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.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

IV. Individual Skills (120-149)

Exercise Science 120A †
Beginning Bowling
1 unit, 1 hour lecture, 1 hour laboratory
Instruction and practice in basic bowling skills, scoring, rules and tournament play. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

Exercise Science 120B †
Intermediate Bowling
1 unit, 1 hour lecture, 1 hour laboratory
Recommended Preparation: *A "C" grade or higher or "Pass" in ES 120A or equivalent or specified skill competencies.*
Continuation of ES 120A with emphasis on proper form and improvement of techniques. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

Exercise Science 120C †
Advanced Bowling
1 unit, 1 hour lecture, 1 hour laboratory
Recommended Preparation: *A "C" grade or higher or "Pass" in ES 120B or equivalent or specified skill competencies.*
Continuation of ES 120B with emphasis on proper form, improvement of technique and spare and split conversion. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

Exercise Science 121 †
Adapted Bowling
1 unit, 1 hour lecture, 1 hour laboratory
A class for the physically challenged which includes instruction and practice in basic bowling skills. Instruction is individualized to best meet the needs of each student. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

† This course meets all Title 5 standards for Associate Degree Credit.

Exercise Science 125A † Beginning Golf
1 unit, 1 hour lecture, 1 hour 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.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

Exercise Science 125B † Intermediate Golf
1.5 units, 1 hour lecture, 2 hours laboratory
***Recommended Preparation:** A "C" grade or higher or "Pass" in ES 125A or equivalent or specified skill competencies.*
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.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

Exercise Science 125C † Advanced Golf
1.5 units, 1 hour lecture, 2 hours laboratory
***Recommended Preparation:** A "C" grade or higher or "Pass" in ES 125B or equivalent or specified skill competencies.*
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.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

Exercise Science 130A † Beginning Gymnastics
1 unit, 1 hour lecture, 1 hour 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. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

Exercise Science 130B † Intermediate Gymnastics
1.5 units, 1 hour lecture, 2 hours laboratory
***Recommended Preparation:** A "C" grade or higher or "Pass" in ES 130A or equivalent or specified skill competencies.*
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. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

Exercise Science 130C † Advanced Gymnastics
1.5 units, 1 hour lecture, 2 hours laboratory
***Recommended Preparation:** A "C" grade or higher or "Pass" in ES 130B or equivalent or specified skill competencies.*
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. Students will also learn the fundamentals of physical fitness and their impact on life-long health and wellness.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

Exercise Science 135 † Cheerleading
1 unit, 1 hour lecture, 1 hour laboratory
Introduction to and practice of cheerleading skills and routines. Emphasis on proper body alignment, safety, performance and cooperative work with others in the class. The development of strength, flexibility and endurance will also be emphasized. Students will have the opportunity to apply skills and routines learned at selected intercollegiate athletic contests at Grossmont College. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

Exercise Science 136 † Performance Cheerleading
1 unit, 1 hour lecture, 1 hour laboratory
***Recommended Preparation:** A "C" grade or higher or "Pass" in Exercise Science 135 or equivalent or specified skill competencies.*
Development and practice of performance level cheerleading skills and routines. Emphasis on proper body alignment, safety, performance and cooperative work with others in the class. The improvement of strength, flexibility and endurance necessary for the high performance level of skills will be greatly emphasized. Students will apply skills, knowledge and routines learned by performing at selected intercollegiate athletic contests at Grossmont College. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

V. Team Skills (150-179)

Exercise Science 150 † Adapted Sports Education
1 unit, 1 hour lecture, 1 hour laboratory
A class for physically challenged individuals in various sports and physical activities including track and field, basketball, football, weight training and golf. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

Exercise Science 155A † Beginning Basketball
1 unit, 1 hour lecture, 1 hour 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.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

† This course meets all Title 5 standards for Associate Degree Credit.

Exercise Science 155B † Intermediate Basketball
1 unit, 1 hour lecture, 1 hour laboratory
Recommended Preparation: *A "C" grade or higher or "Pass" in ES 155A or equivalent or specified skill competencies.*
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.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

Exercise Science 155C † Advanced Basketball
1 unit, 1 hour lecture, 1 hour laboratory
Recommended Preparation: *A "C" grade or higher or "Pass" in ES 155B or equivalent or specified skill competencies.*
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.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

Exercise Science 156 † Adapted Basketball
1 unit, 1 hour lecture, 1 hour laboratory
A class for physically challenged students which includes instruction and practice in the basic basketball skills. Rules, regulations and strategies of the game will be presented. Each student will have an Individual Education Plan that will include any adapted needs they require.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

Exercise Science 170A † Beginning Soccer
1 unit, 1 hour lecture, 1 hour laboratory
Instruction and practice in the basic skills 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.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

Exercise Science 170B † Intermediate Soccer
1 unit, 1 hour lecture, 1 hour laboratory
Recommended Preparation: *A "C" grade or higher or "Pass" in ES 170A or equivalent or specified skill competencies.*
Continuation of ES 170A with emphasis on intermediate skills and strategies of soccer. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

Exercise Science 170C † Advanced Soccer
1 unit, 1 hour lecture, 1 hour laboratory
Recommended Preparation: *A "C" grade or higher or "Pass" in ES 170B or equivalent or specified skill competencies.*
Continuation of ES 170B with emphasis on advanced skills and strategies of soccer. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

Exercise Science 171A † Beginning Softball
1 unit, 1 hour lecture, 1 hour 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.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

Exercise Science 171B † Intermediate Softball
1 unit, 1 hour lecture, 1 hour laboratory
Recommended Preparation: *ES 171A or equivalent or specified skill competencies.*
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.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

Exercise Science 171C † Advanced Softball
1 unit, 1 hour lecture, 1 hour laboratory
Recommended Preparation: *ES 171B or equivalent or specified skill competencies.*
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 strategy. Students will also learn the fundamentals of physical fitness and their impact on life-long health and wellness.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

Exercise Science 172A † Beginning Baseball
1 unit, 1 hour lecture, 1 hour 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.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

Exercise Science 172B † Intermediate Baseball
1 unit, 1 hour lecture, 1 hour laboratory
Recommended Preparation: *ES 172A or equivalent or specified skill competencies.*
Instruction in intermediate techniques, skills, and rules of baseball. Emphasis will be placed on intermediate level individual and team skills, as well as strategy. The history of baseball will also be presented. Students will also learn the fundamentals of physical fitness and their impact on life-long health and wellness.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

† This course meets all Title 5 standards for Associate Degree Credit.

Exercise Science 172C † Advanced Baseball
1 unit, 1 hour lecture, 1 hour laboratory
Recommended Preparation: *ES 172B or equivalent or specified skill competencies.*
Instruction in advanced techniques, skills and rules of baseball. Emphasis will be placed on advanced level individual and team skills, as well as strategy. The history of baseball will also be presented. Students will also learn the fundamentals of physical fitness and their impact on life-long health and wellness.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

Exercise Science 175A † Beginning Volleyball
1 unit, 1 hour lecture, 1 hour laboratory
Instruction and practice in the basic skills of volleyball 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.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

Exercise Science 175B † Intermediate Volleyball
1 unit, 1 hour lecture, 1 hour laboratory
Recommended Preparation: *A "C" grade or higher or "Pass" in ES 175A or equivalent or specified skill competencies.*
Continuation of ES 175A with emphasis on intermediate level volleyball skills, tactics and strategies. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

Exercise Science 175C † Advanced Volleyball
1 unit, 1 hour lecture, 1 hour laboratory
Recommended Preparation: *A "C" grade or higher or ES 175B or equivalent or specified skill competencies.*
Continuation of ES 175B with emphasis on advanced level volleyball skills, tactics and strategies. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

VI. Combatives (180-190)

Exercise Science 180 † Self-Defense for Women
1 unit, 1 hour lecture, 1 hour 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, mental, and verbal responses will be taught and practiced so students may develop the confidence to stand up and defend themselves if needed. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

Exercise Science 185A † Beginning Fencing
1.5 units, 1 hour lecture, 2 hours laboratory
Instruction and practice in the basic fundamentals of the French foil including individual skills and bouting. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

Exercise Science 185B † Intermediate Fencing
1.5 units, 1 hour lecture, 2 hours laboratory
Recommended Preparation: *A "C" grade or higher or "Pass" in ES 185A or equivalent or specified skill competencies.*
Continuation of ES 185A with emphasis on the development of intermediate level proficiency with the French foil. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

Exercise Science 185C † Advanced Fencing
1.5 units, 1 hour lecture, 2 hours laboratory
Recommended Preparation: *A "C" grade or higher or "Pass" in ES 185B or equivalent or specified skill competencies.*
Continuation of ES 185B with emphasis on the development of advanced skill mastery with the French foil in a bouting format. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

VII. Community Service Learning Experience (194-196)

Exercise Science 194 † Community Service Learning Experience
1 unit, 5 hours work experience per week
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. For work experience requirements, see page 30.
Transfers to CSU

Exercise Science 196 † Community Service Learning for Fitness Specialists
1 unit, 5 hours work experience per week
Prerequisite: *A "C" grade or higher or "Pass" in ES 291, 292, 293 and 294.*
Corequisite: *ES 296.*
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 will provide specific volunteer experiences in the field of personal training, group exercise leadership or other fitness specialties in a selected fitness facility. For work experience requirements, see page 30.
Transfers to CSU

† This course meets all Title 5 standards for Associate Degree Credit.



VIII. Intercollegiate Athletics (200-249)

Intercollegiate Athletics courses (200-240 and 262, 263) can be repeated up to 4 times.

Exercise Science 200 † Conditioning and Injury Prevention for Athletics

1.5 units, 1 hour lecture, 2 hours laboratory

This class emphasizes physical conditioning, mastery of the basic fundamentals of efficient movement and skill necessary to reduce the risk of injury associated with intercollegiate athletics. Instruction and practice in conditioning activities, running and resistance exercises will take place. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness. Exercise Science 200 or Exercise Science 201 or a combination of the two may only be taken four times.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

Exercise Science 201† Conditioning and Injury Prevention for Football

1.5 units, 1 hour lecture, 2 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. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness. Exercise Science 200 or Exercise Science 201 or a combination of the two may only be taken four times.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 39)

Exercise Science 202† Agility, Power and Speed Training

1 unit, 1 hour lecture, l hour laboratory
Recommended Preparation: *Participation in pre-season intercollegiate athletic courses.*

Instruction and practice in agility, explosive power and speed training specific to a student's sport. Emphasis will be placed on proper techniques of lifting, explosive movements including ground based activities, multiple joint actions, three dimensional movements, progressive overload, interval training and the practice of appropriate exercises to meet student-specific athletic objectives to improve performance. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness.
Satisfies General Education for Grossmont College Area E
Transfers to CSU (credit limited: see page 39)

Exercise Science 203 † Intercollegiate Baseball

2 units, 5 hours lecture, 5 hours laboratory
Prerequisite: *Tryout*

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.
Transfers to: CSU, UC (credit limited: see page 39)

Exercise Science 204 † Advanced Techniques and Strategies of Intercollegiate Baseball

1 unit, 1 hour lecture, 1 hour 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 off-season preparation course for the intercollegiate team.
Transfers to: CSU, UC (credit limited: see page 39)

Exercise Science 206 † Intercollegiate Basketball

2 units, 5 hours lecture, 5 hours laboratory
Prerequisite: *Tryout*

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. An additional fee for athletic insurance is required upon enrollment.
Transfers to: CSU, UC (credit limited: see page 39)

Exercise Science 207 † Advanced Techniques and Strategies of Intercollegiate Basketball

1 unit, 1 hour lecture, 1 hour 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 off-season preparation course for the intercollegiate team.
Transfers to: CSU, UC (credit limited: see page 39)

† This course meets all Title 5 standards for Associate Degree Credit.

Exercise Science 208 † Advanced Techniques and Strategies of Intercollegiate Cross Country
1 unit, 1 hour lecture, 1 hour 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 off-season preparation course for the intercollegiate team.
Transfers to: CSU, UC (credit limited: see page 39)

Exercise Science 209 † Intercollegiate Cross Country
2 units, 5 hours lecture, 5 hours laboratory
Prerequisite: *Tryout*
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.
Transfers to: CSU, UC (credit limited: see page 39)

Exercise Science 210 † Intercollegiate Badminton
2 units, 5 hours lecture, 5 hours laboratory
Prerequisite: *Tryout*
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.
Transfers to: CSU, UC (credit limited: see page 39)

Exercise Science 211 † Advanced Techniques and Strategies of Intercollegiate Badminton
1 unit, 1 hour lecture, 1 hour 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 off-season preparation course for the intercollegiate team.
Transfers to: CSU, UC (credit limited: see page 39)

Exercise Science 212 † Intercollegiate Football
2 units, 5 hours lecture, 5 hours laboratory
Prerequisite: *Tryout*
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.
Transfers to: CSU, UC (credit limited: see page 39)

Exercise Science 214 † Advanced Techniques and Strategies of Intercollegiate Offensive and Defensive Football
1 unit, 1 hour lecture, 1 hour 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 off-season preparation course for the intercollegiate team.
Transfers to: CSU, UC (credit limited: see page 39)

Exercise Science 215 † Intercollegiate Softball
2 units, 5 hours lecture, 5 hours laboratory
Prerequisite: *Tryout*
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 students who wish to try out at the intercollegiate level. An additional fee for athletic insurance is required upon enrollment.
Transfers to: CSU, UC (credit limited: see page 39)

Exercise Science 216 † Advanced Techniques and Strategies of Intercollegiate Softball
1 unit, 1 hour lecture, 1 hour 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 off-season preparation course for the intercollegiate team.
Transfers to: CSU, UC (credit limited: see page 39)

Exercise Science 218 † Intercollegiate Soccer
2 units, 5 hours lecture, 5 hours laboratory
Prerequisite: *Tryout*
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.
Transfers to: CSU, UC (credit limited: see page 39)

Exercise Science 219 † Advanced Techniques and Strategies of Intercollegiate Soccer
1 unit, 1 hour lecture, 1 hour 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 off-season preparation course for the intercollegiate team.
Transfers to: CSU, UC (credit limited: see page 39)

Exercise Science 221 † Intercollegiate Swimming
2 units, 5 hours lecture, 5 hours laboratory
Prerequisite: *Tryout*
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.
Transfers to: CSU, UC (credit limited: see page 39)

† This course meets all Title 5 standards for Associate Degree Credit.

Exercise Science 222 † Advanced Techniques and Strategies of Intercollegiate Swimming

1 unit, 1 hour lecture, 1 hour 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 off-season preparation course for the intercollegiate team.
Transfers to: CSU, UC (credit limited: see page 39)

Exercise Science 224 † Intercollegiate Tennis

2 units, 5 hours lecture, 5 hours laboratory
Prerequisite: *Tryout*
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.
Transfers to: CSU, UC (credit limited: see page 39)

Exercise Science 225 † Advanced Techniques and Strategies of Intercollegiate Tennis

1 unit, 1 hour lecture, 1 hour 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 off-season preparation course for the intercollegiate team.
Transfers to: CSU, UC (credit limited: see page 39)

Exercise Science 230 † Intercollegiate Volleyball

2 units, 5 hours lecture, 5 hours laboratory
Prerequisite: *Tryout*
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.
Transfers to: CSU, UC (credit limited: see page 39)

Exercise Science 231 † Advanced Techniques and Strategies of Intercollegiate Volleyball

1 unit, 1 hour lecture, 1 hour 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 off-season preparation course for the intercollegiate team.
Transfers to: CSU, UC (credit limited: see page 39)

Exercise Science 233 † Intercollegiate Water Polo

2 units, 5 hours lecture, 5 hours laboratory
Prerequisite: *Tryout*
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.
Transfers to: CSU, UC (credit limited: see page 39)

Exercise Science 234 † Advanced Techniques and Strategies of Intercollegiate Water Polo

1 unit, 1 hour lecture, 1 hour 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 off-season preparation course for the intercollegiate team.
Transfers to: CSU, UC (credit limited: see page 39)

Exercise Science 240 † Athletic Competition

2 units, 5 hours lecture, 5 hours laboratory
Prerequisite: *Tryout*
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.
Transfers to: CSU, UC (credit limited: see page 39)

IX. Professional Exercise Science Classes (250-296)

Professional Exercise Science classes (ES 250-296) CANNOT be repeated.

Exercise Science 250 † Introduction to Kinesiology

3 units, 3 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.
Transfers to: CSU, UC (credit limited: see page 39)

Exercise Science 253 † Physical Education in the Elementary School

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.
Transfers to CSU

Exercise Science 255 † Care and Prevention of Athletic Injuries

3 units, 3 hours lecture, 1 hour laboratory
The course is designed to provide a background for individuals (1) interested in an athletic training career, (2) to develop an understanding of athletic injuries in terms of prevention, recognition, evaluation, treatment, first aid, and emergency care for coaches and/or teachers in athletic settings, and (3) to provide athletes with an understanding of how to manage their own injuries and methods of prevention.
Transfers to: CSU, UC

† This course meets all Title 5 standards for Associate Degree Credit.

Exercise Science 262 †
Technical Analysis and Theory of Football–Offense
1 unit, 2 hours lecture/laboratory
This course is designed to allow students interested in the game of football to: (1) develop offensive skills and techniques while acquiring knowledge of the game of football, (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 conditioning drills and "touch" football games to improve agility and footwork.
Transfers to: CSU, UC (credit limited: see page 39)

Exercise Science 263 †
Technical Analysis and Theory of Football–Defense
1 unit, 2 hours lecture/laboratory
This course is designed to allow students interested in the game of football to: (1) develop defensive skills and techniques while acquiring knowledge of the game of football, (2) analyze drills, formations, techniques of running, blocking, pass coverage and tackling for later use in coaching or teaching careers, and (3) receive practical experience through defensive conditioning drills and "touch" football games to improve agility and footwork.
Transfers to: CSU, UC (credit limited: see page 39)

Exercise Science 290A †
Beginning Teaching Techniques and Methods in Exercise Science
1.5 units, 1 hour lecture, 2 hours laboratory
This course provides basic hands-on training to students preparing for study in physical therapy, exercise science, or other related fields. This beginning interactive course will provide supervised practical experience working with students in various exercise science classes. Special emphasis will focus on classes that serve students with disabilities, chronic diseases, and injuries. Students will work under the direct supervision of an exercise science instructor.
Transfers to CSU

Exercise Science 290B †
Intermediate Teaching Techniques and Methods in Exercise Science
1.5 units, 1 hour lecture, 2 hours laboratory
This course provides intermediate hands-on training to students preparing for study in physical therapy, exercise science, or other related fields. This intermediate interactive course will provide supervised practical experience working with students in various exercise science classes. Special emphasis will focus on classes that serve students with disabilities, chronic diseases, and injuries. Students will work under the direct supervision of an exercise science instructor.
Transfers to CSU

Exercise Science 290C †
Advanced Teaching Techniques and Methods in Exercise Science
1.5 units, 1 hour lecture, 2 hours laboratory
This course provides advanced hands-on training to students preparing for study in physical therapy, exercise science, or other related fields. This advanced interactive course will provide supervised practical experience working with students in various exercise science classes. Special emphasis will focus on classes that serve students with disabilities, chronic diseases, and injuries. Students will work under the direct supervision of an exercise science instructor.
Transfers to CSU

Exercise Science 291 †
Anatomy and Kinesiology for Fitness Specialists
3 units, 3 hours lecture
Corequisite: *ES 292*
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.
Transfers to CSU

Exercise Science 292 †
Exercise Physiology for Fitness Specialists
3 hours, 3 hours lecture
Corequisite: *ES 291*
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.
Transfers to CSU

Exercise Science 293 †
Strength Training/Fitness Assessments for Fitness Specialists
2 units, 2 hours lecture, 1 hour laboratory
Prerequisite: *A "C" grade or higher or "Pass" in ES 291 and 292.*
Corequisite: *ES 294*
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 and body composition, blood pressure and cholesterol.
Transfers to CSU

Exercise Science 294 †
Exercise Program Design and Special Populations
3 units, 3 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in ES 291 and 292.*
Corequisite: *ES 293*
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.
Transfers to CSU

† This course meets all Title 5 standards for Associate Degree Credit.

Exercise Science 296 †
Internship Seminar for Fitness Specialists
.5 units, 8 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in ES 255, 291, 292, 293, 294 and Health Education 158.*
Corequisite: *A "C" grade or higher or "Pass" or concurrent enrollment in ES 196.*
This course is designed for the student in the Fitness Specialist certification 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 196.
Transfers to CSU

X. Selected Studies and Topics (199 & 299)

Exercise Science 199
Special Studies or Projects in Exercise Science
1-3 units, 3-9 hours
Prerequisite: *Consent of instructor.*
Individual study, research or projects in the field of exercise science under instructor guidance. Written reports and periodic conferences required. Content and unit credit to be determined by student/instructor conferences and/or division. May be repeated for a maximum of nine units.

Exercise Science 298 ††
Selected Topics in Exercise Science
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in exercise science not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Mathematics, Natural Sciences, Exercise Science and Wellness in relation to community-student need(s) and/or available staff. May be offered as a seminar or lecture class. Pass/No Pass only.
Non-associate degree applicable

Exercise Science 299A †
Selected Topics in Exercise Science
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in exercise science not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Mathematics, Natural Sciences, Exercise Science and Wellness in relation to community-student need(s) and/or available staff. May be offered as a seminar or lecture class.
Associate degree applicable

Exercise Science 299B †
Selected Topics in Exercise Science
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in exercise science not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Mathematics, Natural Sciences, Exercise Science and Wellness in relation to community-student need(s) and/or available staff. May be offered as a seminar or lecture class.
Baccalaureate level-CSU transfer

Family Studies (FS)

Family Studies 110 †
Life Management
3 units, 3 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.
Satisfies General Education for CSU E
Transfers to CSU

Family Studies 115 †
(Child Development 115)
Changing American Family
3 units, 3 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.
Satisfies General Education for: Grossmont College D2; CSU D10; IGETC 4J
Transfers to: CSU, UC (credit limited: see page 39)

Family Studies 120 †
Human Development
3 units, 3 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.
Satisfies General Education for: Grossmont College D2; CSU D7, E; IGETC 4G
Transfers to: CSU, UC (credit limited: see page 39)

Family Studies 129 †
Introduction to Human Aging
3 units, 3 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.
Satisfies General Education for CSU E
Transfers to CSU

Family Studies 199
Special Studies or Projects in Family Studies
1-3 units, 3-9 hours
Prerequisite: *Consent of instructor.*
Individual study, research or projects in the field of family studies under instructor guidance. Written reports and periodic conferences required. Content and unit credit to be determined by student/instructor conferences and/or division. May be repeated for a maximum of nine units.

† This course meets all Title 5 standards for Associate Degree Credit.
†† This course meets all Title 5 standards for Nondegree Credit.

Family Studies 298 ††
Selected Topics in Family and Consumer Studies
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in family studies not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Career and Technical Education/Workforce Development in relation to community/student need(s) and/or available staff. May be offered as a seminar, lecture or laboratory class. Pass/No Pass only.
Non-associate degree applicable

Family Studies 299A †
Selected Topics in Family and Consumer Studies
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in family studies not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Career and Technical Education/Workforce Development in relation to community/student need(s) and/or available staff. May be offered as a seminar, lecture or laboratory class.
Associate degree applicable

Family Studies 299B †
Selected Topics in Family and Consumer Studies
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in family studies not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Career and Technical Education/Workforce Development in relation to community/student need(s) and/or available staff. May be offered as a seminar, lecture or laboratory class.
Baccalaureate level-CSU transfer

French (FREN)

French 120 †
French I
5 units, 5 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.
Satisfies General Education for: Grossmont College C2; CSU C2; IGETC 6A
Transfers to: CSU, UC

French 121 †
French II
5 units, 5 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in French 120 or two years of high school French or equivalent.*
French 121 is the continuation of French 120. The course will continue to develop oral and written skills based on practical everyday needs.
Satisfies General Education for: Grossmont College C2; CSU C2; IGETC 3B, 6A
Transfers to: CSU, UC

French 152 †
(Cross-Cultural Studies 152)
The French-Speaking World: A Cross-Cultural Perspective
3 units, 3 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.
Satisfies General Education for: Grossmont College C1; CSU C2; IGETC 3B
Transfers to: CSU, UC (credit limited: see page 39)

French 196 A-B-C-D †
Community Service Learning Experience
1 unit, 5 hours work experience per week
Prerequisite: *A "C" grade or higher or "Pass" in French 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. For work experience requirements, see page 30.
Transfers to CSU

French 199
Special Studies or Projects in French
1-3 units, 3-9 hours
Prerequisite: *Consent of instructor.*
Individual study, research or projects in the field of French under instructor guidance. Written reports and periodic conferences required. Content and unit credit to be determined by student/instructor conferences and/or division. May be repeated for a maximum of nine units.

French 220 †
French III
5 units, 5 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in French 121 or three years of high school French or equivalent.*
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.
Satisfies General Education for: Grossmont College C2; CSU C2; IGETC 3B, 6A
Transfers to: CSU, UC

French 221 †
French IV
5 units, 5 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in French 220 or four years of high school French or equivalent.*
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.
Satisfies General Education for: Grossmont College C2; CSU C2; IGETC 3B, 6A
Transfers to: CSU, UC

French 250 †
Conversational French I
3 units, 3 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in French 121 or three years of high school French or equivalent.*
The course will continue to develop oral, listening, reading and writing skills with emphasis on oral proficiency.
Satisfies General Education for: Grossmont College C2; CSU C2
Transfers to: CSU, UC

French 251 †
Conversational French II
3 units, 3 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in French 250 or four years of high school French or equivalent.*
The course will continue to develop at a higher level oral, listening, reading and writing skills with emphasis on oral proficiency.
Satisfies General Education for: Grossmont College C2; CSU C2
Transfers to: CSU, UC

† This course meets all Title 5 standards for Associate Degree Credit.
†† This course meets all Title 5 standards for Nondegree Credit.

French 298 ††
Selected Topics in French
1-5 units, 3-15 hours
Prerequisite: *Varies with topic.*
Selected topics in French not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Arts, Languages and Communication in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class. Pass/No Pass only.
Non-associate degree applicable

French 299A †
Selected Topics in French
1-5 units, 3-15 hours
Prerequisite: *Varies with topic.*
Selected topics in French not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Arts, Languages and Communication in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class.
Associate degree applicable

French 299B †
Selected Topics in French
1-5 units, 3-15 hours
Prerequisite: *Varies with topic.*
Selected topics in French not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Arts, Languages and Communication in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class.
Baccalaureate level-CSU transfer

Geography (GEOG)

Geography 104 †
Introduction to Geographic Information Science
3 units, 2 hours lecture, 3 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in MATH 103 or MATH 110 or equivalent.*
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.
Satisfies General Education for: Grossmont College A3
Transfers to: CSU, UC

Geography 106 †
World Regional Geography
3 units, 3 hours lecture
Although open to all students, this course is designed for Liberal Studies education majors wishing to satisfy requirements for California Multiple Subject Teaching Credentials. World Regional Geography focuses on the overarching principles of both physical and cultural geography as applied to the different regions of the world. The regions' physical situation along with the demographic, linguistic, religious, political, and developmental patterns provide the framework for comparing and contrasting the various world regions. Current issues specific to individual regions are introduced and analyzed spatially in the context of globalization. Important features within each region will also be identified.
Satisfies General Education for: Grossmont College D1; CSU D5; IGETC 4E
Transfers to: CSU, UC

Geography 120 †
Elements of Physical Geography
3 units, 3 hours lecture
Explore your world! 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.
Satisfies General Education for: Grossmont College B2; CSU B1; IGETC 5A
Transfers to: CSU, UC

Geography 121 †
Physical Geography Laboratory
1 unit, 3 hours laboratory
Corequisite: *A "C" grade or higher or "Pass" or concurrent enrollment in Geography 120.*
Laboratory to augment Physical Geography 120. Practical applications of earth-sun relationships, map reading and utilization, weather principles, climates, and understanding of landforms through laboratory and field exercises.
Satisfies General Education for: Grossmont College B2; CSU B3; IGETC 5C
Transfers to: CSU, UC

Geography 130 †
Human and Cultural Geography
3 units, 3 hours lecture
An exciting course examining the role of culture and the physical environment in shaping the world's major regions and landscapes. Special attention will be given to the diffusion of religions and languages, population dynamics, food production and ways of living, geopolitical conflicts, and human-environmental interactions to better relate these cultural factors to current international events and problems.
Satisfies General Education for: Grossmont College D1; CSU D5; IGETC 4E
Transfers to: CSU, UC

Geography 140 †
Introduction to Meteorology
3 units, 3 hours lecture
This physical science course examines fundamental concepts about the nature of the atmosphere, and explains the physical processes responsible for everyday weather phenomena. Highlights include explanation of mid-latitude cyclonic storm activity and tropical cyclones. Weather maps and satellite imagery will be used extensively.
Satisfies General Education for: Grossmont College B2; CSU B1; IGETC 5A
Transfers to: CSU, UC

Geography 150 †
(Biology 150, Geology 150, Oceanography 150)
Field Study of the Natural History of the Greater San Diego Region
3 units, 2 hours lecture, 3 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in Biology 110 or 120; or Geography 120 or 121 or 140; or Geology 110 or 111; or Oceanography 112 or equivalent.*
An exciting, team-taught, inter-disciplinary, 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.
Transfers to: CSU, UC (credit limited: see page 39)

† This course meets all Title 5 standards for Associate Degree Credit.
†† This course meets all Title 5 standards for Nondegree Credit.

Geography 170 †
The Geography of California
3 units, 3 hours lecture
This course is an exciting exploration of the physical and cultural regions of California and their interrelationships. Emphasis on the geographic factors that would broaden a student's knowledge of the California environment; climate, natural vegetation, plate tectonic situation, agriculture, industry, and population.
Satisfies General Education for: Grossmont College D1; CSU D5; IGETC 4E
Transfers to: CSU, UC

Geography 172 †
(Geology 172)
Field Exploration: Colorado Plateau
3 units, 2 hours lecture, 3 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, often including overnight camping and light to moderate hiking.
Transfers to CSU

Geography 173 †
(Geology 173)
Field Exploration: Cascade Range/Modoc Plateau
3 units, 2 hours lecture, 3 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, often including overnight camping and light to moderate hiking.
Transfers to CSU

Geography 174 †
(Geology 174)
Field Exploration: Basin and Range Province
3 units, 2 hours lecture, 3 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, often including overnight camping and light to moderate hiking.
Transfers to CSU

Geography 175 †
(Geology 175)
Field Exploration: California Coastal Mountains
3 units, 2 hours lecture, 3 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.
Transfers to CSU

Geography 176 †
(Geology 176)
Field Exploration: Sierra Nevada
3 units, 2 hours lecture, 3 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 Lake. 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.
Transfers to CSU

Geography 199
Special Studies or Projects in Geography
1-3 units, 3-9 hours
Prerequisite: *Consent of instructor.*
Individual study, research or projects in the field of geography under instructor guidance. Written reports and periodic conferences required. Content and unit credit to be determined by student/instructor conferences and/or division. May be repeated for a maximum of nine units.

Geography 298 ††
Selected Topics in Geography
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in geography not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Mathematics, Natural Sciences, Exercise Science and Wellness in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class. Pass/No Pass only.
Non-associate degree applicable

† This course meets all Title 5 standards for Associate Degree Credit.
†† This course meets all Title 5 standards for Nondegree Credit.

Geography 299A †
Selected Topics in Geography
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in geography not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Mathematics, Natural Sciences, Exercise Science and Wellness in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class.
Associate degree applicable

Geography 299B †
Selected Topics in Geography
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in geography not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Mathematics, Natural Sciences, Exercise Science and Wellness in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class.
Baccalaureate level-CSU transfer

Geology (geol)

Geology 104 †
Earth Science
3 units, 3 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.
Satisfies General Education for: Grossmont College B2; CSU B1; IGETC 5A
Transfers to: CSU, UC

Geology 110 †
Planet Earth
3 units, 3 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.
Satisfies General Education for: Grossmont College B2; CSU B1; IGETC 5A
Transfers to: CSU, UC

Geology 111 †
Planet Earth Laboratory
1 unit, 3 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" or concurrent enrollment in Geology 110 or equivalent.*
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.
Satisfies General Education for: Grossmont College B2; CSU B3; IGETC 5C
Transfers to: CSU, UC

Geology 121 †
Earth History
4 units, 3 hours lecture, 3 hours laboratory
Recommended Preparation: *A "C" grade or higher or "Pass" in Geology 104 or 110 or equivalent.*
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.
Satisfies General Education for: Grossmont College B2; CSU B1; IGETC 5A
Transfers to: CSU, UC

Geology 150 †
(Biology 150, Geography 150, Oceanography 150)
Field Study of the Natural History of the Greater San Diego Region
3 units, 2 hours lecture, 3 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in Biology 110 or 120; or Geography 120 or 121 or 140; or Geology 110 or 111; or Oceanography 112 or equivalent.*
An exciting, team-taught, inter-disciplinary, 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 Geology150 will not be able to enroll in Biology 150, Geography 150 or Oceanography 150.
Transfers to: CSU, UC (credit limited: see page 39)

Geology 162 †
Geologic Field Studies: Southern California Mountain Areas
1 unit, 1 hour 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.
Transfers to CSU

† This course meets all Title 5 standards for Associate Degree Credit.

Geology 163 †
Geologic Field Studies: Mojave Desert and Adjacent Areas
1 unit, 1 hour 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.
Transfers to CSU

Geology 164 †
Geologic Field Studies: Southern California Coastal Areas
1 unit, 1 hour 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.
Transfers to CSU

Geology 165 †
Geologic Field Studies: Colorado Desert/Salton Trough Area
1 unit, 1 hour 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.
Transfers to CSU

Geology 172 †
(Geography 172)
Field Exploration: Colorado Plateau
3 units, 2 hours lecture, 3 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, often including overnight camping and light to moderate hiking.
Transfers to CSU

Geology 173 †
(Geography 173)
Field Exploration: Cascade Range/Modoc Plateau
3 units, 2 hours lecture, 3 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, often including overnight camping and light to moderate hiking.
Transfers to CSU

Geology 174 †
(Geography 174)
Field Exploration: Basin and Range Province
3 units, 2 hours lecture, 3 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, often including overnight camping and light to moderate hiking.
Transfers to CSU

Geology 175 †
(Geography 175)
Field Exploration: California Coastal Mountains
3 units, 2 hours lecture, 3 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.
Transfers to CSU

† This course meets all Title 5 standards for Associate Degree Credit.

Geology 176 †
(Geography 176)
Field Exploration: Sierra Nevada
3 units, 2 hours lecture, 3 hours laboratory
This week-long course involves lecture 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 Lake. 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.
Transfers to CSU

Geology 199
Special Studies or Projects in Geology
1-3 units, 3-9 hours
Prerequisite: *Consent of instructor.*
Individual study, research or projects in the field of geology under instructor guidance. Written reports and periodic conferences required. Content and unit credit to be determined by student/instructor conferences and/or division. May be repeated for a maximum of six units.

Geology 210 †
Geology of California
3 units, 3 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.
Satisfies General Education for: Grossmont College B2; CSU B1; IGETC 5A
Transfers to: CSU, UC

Geology 220 †
Geology of the National Parks
3 units, 3 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.
Satisfies General Education for: Grossmont College B2; CSU B1
Transfers to CSU

Geology 230 †
Natural Disasters
3 units, 3 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.
Satisfies General Education for Grossmont College B2
Transfers to: CSU, UC

Geology 298 ††
Selected Topics in Geology
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in geology not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Mathematics, Natural Sciences, Exercise Science and Wellness in relation to community/student need(s) and/or available staff. May be offered as seminar or lecture class. Pass/No Pass only.
Non-associate degree applicable

Geology 299A †
Selected Topics in Geology
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in geology not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Mathematics, Natural Sciences, Exercise Science and Wellness in relation to community/student need(s) and/or available staff. May be offered as seminar or lecture class.
Associate degree applicable

Geology 299B †
Selected Topics in Geology
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in geology not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Mathematics, Natural Sciences, Exercise Science and Wellness in relation to community/student need(s) and/or available staff. May be offered as seminar or lecture class.
Baccalaureate level-CSU transfer

German (GERM)

German 120 †
German I
5 units, 5 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.
Satisfies General Education for: Grossmont College C2; CSU C2; IGETC 6A
Transfers to: CSU, UC

German 121 †
German II
5 units, 5 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in German 120 or two years of high school German or equivalent.*
German 121 is the continuation of German 120. The course will continue to develop oral and written skills based on practical everyday needs.
Satisfies General Education for: Grossmont College C2; CSU C2; IGETC 3B
Transfers to: CSU, UC

German 196 A-B-C-D †
Community Service Learning Experience
1 unit, 5 hours work experience per week
Prerequisite: *A "C" grade or higher or "Pass" in German 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. For work experience requirements, see page 30.
Transfers to CSU

† This course meets all Title 5 standards for Associate Degree Credit.
†† This course meets all Title 5 standards for Nondegree Credit.

German 199
Special Studies or Projects in German
1-3 units, 3-9 hours
Prerequisite: *Consent of instructor.*
Individual study, research or projects in the field of German under instructor guidance. Written reports and periodic conferences required. Content and unit credit to be determined by student/instructor conferences and/or division. May be repeated for a maximum of nine units.

German 220 †
German III
5 units, 5 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in German 121 or three years of high school German or equivalent.*
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.
Satisfies General Education for: Grossmont College C2; CSU C2; IGETC 3B
Transfers to: CSU, UC

German 221 †
German IV
5 units, 5 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in German 220 or four years of high school German or equivalent.*
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.
Satisfies General Education for: Grossmont College C2; CSU C2; IGETC 3B
Transfers to: CSU, UC

German 250 †
Conversational German I
3 units, 3 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in German 121 or three years of high school German or equivalent.*
The course will continue to develop oral, listening, reading and writing skills with emphasis on oral proficiency.
Satisfies General Education for: Grossmont College C2; CSU C2
Transfers to: CSU, UC

German 251 †
Conversational German II
3 units, 3 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in German 250 or four years of high school German or equivalent.*
The course will continue to develop at a higher level oral, listening, reading and writing skills with emphasis on oral proficiency.
Satisfies General Education for: Grossmont College C2; CSU C2
Transfers to: CSU, UC

German 298 ††
Selected Topics in German
1-5 units, 3-15 hours
Prerequisite: *Varies with topic.*
Selected topics in German not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Arts, Languages and Communication and International Programs in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class. Pass/No Pass only.
Non-associate degree applicable

German 299A †
Selected Topics in German
1-5 units, 3-15 hours
Prerequisite: *Varies with topic.*
Selected topics in German not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Arts, Languages and Communication and International Programs in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class.
Associate degree applicable

German 299B †
Selected Topics in German
1-5 units, 3-15 hours
Prerequisite: *Varies with topic.*
Selected topics in German not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Arts, Languages and Communication and International Programs in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class.
Baccalaureate level-CSU transfer

† This course meets all Title 5 standards for Associate Degree Credit.
†† This course meets all Title 5 standards for Nondegree Credit.

Health Education (HED)

Health Education 101 †
Keys to Successful Weight Control
1.5 units, 1.5 hours lecture
Recommended Preparation: *A "C" grade or higher or "Pass" in English 110 or ESL 119 or equivalent.*
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.
Transfers to CSU

Health Education 105 †
Health Education for Teachers
1 unit, 1 hour lecture
Recommended Preparation: *A "C" grade or higher or "Pass" in English 110 or ESL 119 or equivalent.*
This course is designed for multiple or single subject teacher candidates and provides introductory knowledge of broad health-related issues that are relevant to K-12 curriculum. Topic areas covered include primary and secondary school health education curriculum design, basic legal issues of health education in California, discussion of community resources, behavior modification techniques, stress management, benefits of regular exercise, nutrition and eating disorders, disease prevention, childhood obesity; contraception, sexually transmitted diseases, substance abuse, including alcohol and tobacco, safety in the home and school, and violence, including gang and domestic violence. This course is designed to meet the state of California health education requirement for the K-12 teaching credential.
Transfers to: CSU

Health Education 120 † Personal Health and Lifestyles

3 units, 3 hours lecture

Recommended Preparation: *A "C" grade or higher or "Pass" in English 110 or ESL 119 or equivalent.*

A course emphasizing the information required to make important decisions concerning lifestyle and total health. An examination of 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 his/her own health and well being.

Satisfies General Education for: Grossmont College D2; CSU E
Transfers to: CSU, UC

Health Education 155 † Realities of Nutrition

3 units, 3 hours lecture

Recommended Preparation: *A "C" grade or higher or "Pass" in English 110 or ESL 119 or equivalent.*

This course is an introduction of the fundamentals of nutrition as it relates to good health. Understanding of current nutritional information (and misinformation) will be discussed to determine optimal dietary choices. Study of dietary goals and guidelines using current tools is incorporated as each student analyzes their own lifestyle choices. Further current issues covered are those in relation to weight maintenance techniques, eating disorders, food labeling, food safety and special needs at various stages in the lifecycle. The information covered will be practical and relevant to assist in making wise choices the rest of one's life.

Satisfies General Education for: Grossmont College D2; CSU E
Transfers to: CSU, UC

Health Education 158 † Nutrition for Fitness and Sports

3 units, 3 hours lecture

Recommended Preparation: *A "C" grade or higher or "Pass" in English 110 or ESL 119 or equivalent.*

A course investigating 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 performance will be examined thoroughly. Discussion of current "fad" and supposed performance-enhancing diets and supplements will be addressed.

Satisfies General Education for: Grossmont College D2; CSU E
Transfers to CSU

Health Education 199 Special Studies or Projects in Health Education

1-3 units, 3-9 hours

Prerequisite: *Consent of instructor.*

Individual study, research or projects in the field of health education under instructor guidance. Written reports and periodic conferences required. Content and unit credit to be determined by student/instructor conferences and/or division. May be repeated for a maximum of nine units.

Health Education 201 † Introduction to Public Health

3 units, 3 hours lecture

Recommended Preparation: *A "C" grade or higher or "Pass" in English 110 or ESL 119 or equivalent.*

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: environmental health, health and community behavior, infectious disease, chronic disease, public health policy, implementation and regulation. Within these topic areas examination of the matrix of physiological, socio-cultural and psychological determinants of health will be addressed including an overview of various public health professions and institutions, 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 preparedness).

Satisfies General Education for: Grossmont College D2; CSU E
Transfers to: CSU, UC

Health Education 255 † Science of Nutrition

3 units, 3 hours lecture

Prerequisite: *A "C" grade or higher or "Pass" in BIO 120 and CHEM 115 or CHEM 120 or equivalent.*

Recommended Preparation: *A "C" grade or higher or "Pass" in English 110 or ESL 119 or equivalent.*

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.

Satisfies General Education for: CSU E
Transfers to: CSU, UC

Health Education 298 †† Selected Topics in Health Education

1-3 units, 3-9 hours

Prerequisite: *Varies with topic.*

Selected topics in health education not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Mathematics, Natural Sciences, Exercise Science and Wellness in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class. Pass/No Pass only.

Non-associate degree applicable

Health Education 299A † Selected Topics in Health Education

1-3 units, 3-9 hours

Prerequisite: *Varies with topic.*

Selected topics in health education not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Mathematics, Natural Sciences, Exercise Science and Wellness in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class.

Associate degree applicable

Health Education 299B † Selected Topics in Health Education

1-3 units, 3-9 hours

Prerequisite: *Varies with topic.*

Selected topics in health education not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Mathematics, Natural Sciences, Exercise Science and Wellness in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class.

Baccalaureate level-CSU transfer

† This course meets all Title 5 standards for Associate Degree Credit.
†† This course meets all Title 5 standards for Nondegree Credit.

Health Sciences (HESC)

Health Sciences 099 †† Introduction to the United States Health Care System

3 units, 3 hours lecture

This course is designed for internationally trained health workers, health program students and health professionals interested in learning about the organization of the United States health care system. The course provides an overview of financing, insurance and expenditures. The course will also address major health professions and occupations, educational pathways, licensure, practice and culture. Content areas include: Public Health; measuring health status and disparities; American beliefs/values and their consequence for health care delivery and the history and evolution of biomedicine in the U.S. This course is offered on a Pass/No Pass basis only. (Nondegree credit course)

Health Sciences 110 † Disability and Society

3 units, 3 hours lecture

This course will explore the range of human experience of individuals with disabilities; attitudes toward persons who have disabilities (including those who have been identified as gifted or who have learning, mental, physical or severe disabilities); interrelationships between societal institutions and needs of persons with disabilities; and historical responses to these needs. Current research and contemporary issues will be examined with particular emphasis on normalization, integration and community living. Increased understanding and appreciation of the factors impacting the quality of life for persons with disabilities will be achieved through observations and interviews conducted in the home, community, and other social environments of a person with a disability.

Satisfies General Education for: Grossmont College D1; CSU E
Transfers to CSU

Health Sciences 112 † Cardiopulmonary Resuscitation (CPR)

.5 unit, 3/4 hour lecture/laboratory (6 hours lecture, 6 hours laboratory in short course format of 1.5 days)

Presents basic life support and cardiopulmonary resuscitation techniques as recommended by the American Heart Association. This includes management of airway obstruction and cardiopulmonary arrest in the infant, child and adult. A two year American Heart Association Certificate is issued for a $2 fee upon successful completion of the course. American Red Cross and the American Heart Association cross-recognize course completion cards. This course is offered on a Pass/No Pass basis only.

Health Sciences 150 † Techniques for Developmental Disability Specialist

3 units, 3 hours lecture

Corequisite: *Successful completion of or concurrent enrollment in Health Sciences 110 or equivalent.*

This course is designed for persons involved in support services for people with developmental disabilities including those who have learning, mental, physical, or severe disabilities. It provides technical knowledge for support personnel to promote social skills and integration, adaptation, self dependence, health, safety, nutrition, recreation, leisure and communication for persons with disabilities.

Satisfies General Education for CSU
Transfers to CSU

Health Sciences 152 A-B † Work Experience for Disability Services Management

2 units, 10 hours work experience per week

Prerequisite: *A "C" grade or higher in Health Sciences 205 and 206.*

Work experience for individuals desiring directed practical experience in support services for persons with disabilities. This course provides students the opportunity to apply knowledge and skills gained through Health Sciences 110, 150, 205 and 206. Emphasis is on inclusive support strategies and practices. For work experience requirements, see page 30.

Transfers to CSU

Health Sciences 154 † Work Experience for Disability Services Management

4 units, 20 hours work experience per week

Prerequisite: *A "C" grade or higher in Health Sciences 205 and 206.*

Work experience for individuals desiring directed practical experience in support services for persons with disabilities. This course provides students the opportunity to apply knowledge and skills gained through Health Sciences 110, 150, 205 and 206. Emphasis is on inclusive support strategies and practices. For work experience requirements, see page 30.

Transfers to CSU

Health Sciences 199 Special Studies or Projects in Health Sciences

1-3 units, 3-9 hours

Prerequisite: *Consent of instructor.*

Individual study, research or projects in the field of health sciences under instructor guidance. Written reports and periodic conferences required. Content and unit credit to be determined by student/instructor conferences and/or division. May be repeated for a maximum of nine units.

Health Sciences 205 † Alternative/Augmentative Communication and Assistive Technology for People with Disabilities

3 units, 3 hours lecture

Prerequisite: *A "C" grade or higher in Health Sciences 110 and 150.*

This course introduces principles and procedures in assessing and accommodating the needs of individuals with disabilities in the following areas: 1) alternative and augmentative communication (AAC) systems and strategies and 2) other assistive technology (AT) equipment and services. The course will include the historical and legislative development of these supports and services; a foundation of speech and language acquisition; person-centered assessment strategies, instrument strategies, and intervention techniques; and access to assistive technology (AT) resources and materials, locally and via the Internet. Students will develop case studies demonstrating the effective use of assistive technology, including alternative augmentative communication, in relation to school, work, recreation, home, or community environments.

Transfers to CSU

† This course meets all Title 5 standards for Associate Degree Credit.
†† This course meets all Title 5 standards for Nondegree Credit.

Health Sciences 206 †
Behavioral Management and Training Techniques
3 units, 3 hours lecture
Prerequisite: *Successful completion of Health Sciences 110 and 150 or equivalent.*
This course presents more advanced theory and rationale for the use of management and training techniques with people with developmental disabilities in four major areas: (1) training, (2) behavior management, (3) management of assaultive behavior, and (4) general learning theory. Emphasis is on problem solving and application of theory in specific settings that involve individuals with multiple needs.
Transfers to CSU

Health Sciences 298 ††
Selected Topics in Health Sciences
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in health sciences not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Career and Technical Education/Workforce Development in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture. Pass/No Pass only.
Non-associate degree applicable

Health Sciences 299A †
Selected Topics in Health Sciences
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in health sciences not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Career and Technical Education/Workforce Development in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture.
Associate degree applicable

Health Sciences 299B †
Selected Topics in Health Sciences
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in health sciences not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Career and Technical Education/Workforce Development in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture.
Baccalaureate level-CSU transfer

History (HIST)

History 100 †
Early World History
3 units, 3 hours lecture
Recommended Preparation: *A "C" grade or higher or "Pass" in English 110 or equivalent.*
A historical survey of civilizations from ancient times to 1500 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.
Satisfies General Education for: Grossmont College C1; CSU C2, D6; IGETC 3B, 4F
Transfers to: CSU, UC

History 101 †
Modern World History
3 units, 3 hours lecture
Recommended Preparation: *A "C" grade or higher or "Pass" in English 110 or equivalent.*
A survey of world history from 1500 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.
Satisfies General Education for: Grossmont College C1; CSU C2, D6; IGETC 3B, 4F
Transfers to: CSU, UC

History 103 †
Twentieth Century World History
3 units, 3 hours lecture
Recommended Preparation: *A "C" grade or higher or "Pass" in English 110 or equivalent.*
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.
Satisfies General Education for: Grossmont College C1; CSU C2, D6; IGETC 3B, 4F
Transfers to: CSU, UC

History 105 †
Early Western Civilization
3 units, 3 hours lecture
Recommended Preparation: *A "C" grade or higher or "Pass" in English 110 or equivalent.*
Survey tracing the political, social, economic, cultural, and intellectual events that have shaped and defined Western Civilization from ancient times to 1650. Includes the ancient Near East, ancient Egypt, classical Greece, Roman civilization and empire, rise of Christianity and Islam, Byzantine Empire, medieval Europe, Renaissance and Reformation.
Satisfies General Education for: Grossmont College C1; CSU C2, D6; IGETC 3B, 4F
Transfers to: CSU, UC

History 106 †
Modern Western Civilization
3 units, 3 hours lecture
Recommended Preparation: *A "C" grade or higher or "Pass" in English 110 or equivalent.*
Survey of European events, cultures, thought, and institutions from 1650 to the present. Includes Absolutism, Scientific Revolution, Enlightenment, age of the French Revolution, nineteenth-century ideologies, imperialism, the world wars, the Cold War, and contemporary Europe.
Satisfies General Education for: Grossmont College C1; CSU C2, D6; IGETC 3B, 4F
Transfers to: CSU, UC

History 108 †
Early American History
3 units, 3 hours lecture
Recommended Preparation: *A "C" grade or higher or "Pass" in English 110 or equivalent.*
A survey of the early political, social, and cultural development of the entire geographic area that is now the United States, with emphasis upon the origins of basic American institutions and ideals.
This course meets Track 1 Part A or Track 2 Part B of the American Institutions requirement for CSU
Satisfies General Education for: Grossmont College D3; CSU D6; IGETC 4F
Transfers to: CSU, UC (credit limited: see page 39)

† This course meets all Title 5 standards for Associate Degree Credit.
†† This course meets all Title 5 standards for Nondegree Credit.

History 109 †
Modern American History
3 units, 3 hours lecture
Recommended Preparation: *A "C" grade or higher or "Pass" in English 110 or equivalent.*
A survey of the political, social, and cultural development of the modern United States, with emphasis upon the economic, social, and technological changes, and the rise of the United States as a world power.
This course meets Track 1 Part B or Track 2 Part B of the American Institutions requirement for CSU
Satisfies General Education for: Grossmont College D3; CSU D6; IGETC 4F
Transfers to: CSU, UC (credit limited: see page 39)

History 112 †
American History: 1945-Present
3 units, 3 hours lecture
Recommended Preparation: *A "C" grade or higher or "Pass" in English 110 or equivalent.*
This course covers the social, political, cultural, economic and intellectual history of the United States from the close of World War II until the present. Special emphasis will be given to the Cold War, American social developments, the Civil Rights movements, and politics.
Satisfies General Education for: Grossmont College C1; CSU D6; IGETC 4F
Transfers to: CSU, UC

History 113 †
American Military History
3 units, 3 hours lecture
Recommended Preparation: *A "C" grade or higher or "Pass" in English 110 or equivalent.*
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 will focus on three periods: colonial, continental expansion, and overseas expansion.
Satisfies General Education for: Grossmont College C1; CSU D6; IGETC 4F
Transfers to: CSU, UC

History 114 †
Comparative History of the Early Americas
3 units, 3 hours lecture
Recommended Preparation: *A "C" grade or higher or "Pass" in English 110 or equivalent.*
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.
This course meets Track 1 Part A or Track 2 Part B of the American Institutions requirement for CSU
Satisfies General Education for: Grossmont College D1; CSU D6; IGETC 4F
Transfers to: CSU, UC

History 115 †
Comparative History of the Modern Americas
3 units, 3 hours lecture
Recommended Preparation: *A "C" grade or higher or "Pass" in English 110 or equivalent.*
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.
This course meets Track 2 Part B of the American Institutions requirement for CSU
Satisfies General Education for: Grossmont College D1; CSU D6; IGETC 4F
Transfers to: CSU, UC

History 118 †
(Cross-Cultural Studies 118)
U.S. History: Chicano/Chicana Perspectives I
3 units, 3 hours lecture
Recommended Preparation: *A "C" grade or higher or "Pass" in English 110 or equivalent.*
This course is designed to explore the role and development of the Mexican/Chicano/Chicana people in the history of the Southwest United States. An examination of significant aspects of United States history with emphasis on the social, economic, political and cultural implications to Mexican/Chicano/Chicana people in the United States. Beginning with pre-Colombian Mexico to the end of the 19th century selected aspects of history will be highlighted for the purpose of examining the experiences and contributions of this unique indigenous ethnic group. The Federal Constitution is studied with special emphasis on the impact and effects on the Mexican/Chicano/Chicana ethnic group. Particular attention is given to political philosophies and impact of legislation on the Mexican/Chicano/Chicana community.
Satisfies General Education for: Grossmont College D3; CSU D3, D6; IGETC 4C, 4F
Transfers to: CSU, UC (credit limited: see page 39)

History 119 †
(Cross-Cultural Studies 119)
U.S. History: Chicano/Chicana Perspectives II
3 units, 3 hours lecture
Recommended Preparation: *A "C" grade or higher or "Pass" in English 110 or equivalent.*
This course is designed to explore the role and development of the Chicano/Chicana people in the history of the Southwest United States. An examination of significant aspects of United States history with emphasis on the social, economic, political and cultural implications to Chicano/Chicana people in the United States. Beginning with the 19th century to the present period selected aspects of history will be highlighted for the purpose of examining the experiences and contributions of this unique indigenous ethnic group. The Federal Constitution is studied with special emphasis on the impact and effects on Chicanos/Chicanas. Particular attention is given to political philosophies and impact of legislation on the Chicano/Chicana community.
Satisfies General Education for: Grossmont College D3; CSU D3, D6; IGETC 4C, 4F
Transfers to: CSU, UC (credit limited: see page 39)

History 122 †
Women in Early American History
3 units, 3 hours lecture
Recommended Preparation: *A "C" grade or higher or "Pass" in English 110 or equivalent.*
This course covers the social, political, cultural, economic and intellectual development of women in America from pre-European contact to 1877 in the entire geographic area that is now the United States. Women's experiences are placed in the context of the origins of American institutions and ideals.
This course meets Track 1 Part A or Track 2 Part B of the American Institutions requirement for CSU
Satisfies General Education for: Grossmont College D3; CSU D4, D6; IGETC 4D, 4F
Transfers to: CSU, UC (credit limited: see page 39)

† This course meets all Title 5 standards for Associate Degree Credit.



History 123 †
Women in Modern American History
3 units, 3 hours lecture
Recommended Preparation: *A "C" grade or higher or "Pass" in English 110 or equivalent.*
This course covers the social, political, cultural, economic and intellectual development of women in America from 1877 to the present in the entire geographic area that is now the United States. Women's experiences are placed in the context of evolving American institutions.
This course meets Track 1 Part B or Track 2 Part B of the American Institutions requirement for CSU
Satisfies General Education for: Grossmont College D3; CSU D4, D6; IGETC 4D, 4F
Transfers to: CSU, UC (credit limited: see page 39)

History 124 †
History of California
3 units, 3 hours lecture
Recommended Preparation: *A "C" grade or higher or "Pass" in English 110 or equivalent.*
Survey of political, social, and economic development of the State of California, from pre-contact Native Americans, Spanish explorations and Mexican California to the present. Unit of study in California to the present. Unit of study in California State and local government included.
Satisfies General Education for: Grossmont College D1; CSU D6; IGETC 4F
Transfers to: CSU, UC

History 126 †
History of Mexico
3 units, 3 hours lecture
Recommended Preparation: *A "C" grade or higher or "Pass" in English 110 or equivalent.*
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.
Satisfies General Education for: Grossmont College C1; CSU C2, D6; IGETC 3B, 4F
Transfers to: CSU, UC

History 127 †
Early American Indian History
3 units, 3 hours lecture
Recommended Preparation: *A "C" grade or higher or "Pass" in English 110 or equivalent.*
History of the American Indian in United States history from the origins in North America through the pre-Colombian period, the European period, and the United States period to 1890.
Satisfies General Education for: Grossmont College D1; CSU D6; IGETC 4F
Transfers to: CSU, UC

History 130 †
(Cross-Cultural Studies 130)
U.S. History and Cultures: Native American Perspectives I
3 units, 3 hours lecture
Recommended Preparation: *A "C" grade or higher or "Pass" in English 110 or equivalent.*
An historical survey of the indigenous people throughout the North American Continent from the earliest recorded knowledge to the period of 1850. Attention will be given to Indian perspectives of native and nonnative cultures. The influence of American Indians on the Federal Constitution and the political philosophies of early Americans will be studied. Indian political organization and its parallels and differences in early American political organizations and philosophies are studied. Particular attention is given to legislation and its impact on Indian culture and society.
This course meets Track 1 Part A or Track 2 Part B of the American Institutions requirement for CSU
Satisfies General Education for: Grossmont College D3; CSU D3, D6; IGETC 4C, 4F
Transfers to: CSU, UC (credit limited: see page 39)

History 131 †
(Cross-Cultural Studies 131)
U.S. History and Cultures: Native American Perspectives II
3 units, 3 hours lecture
Recommended Preparation: *A "C" grade or higher or "Pass" in English 110 or equivalent.*
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 on 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.
This course meets Track 1 Part A or Track 2 Part B of the American Institutions requirement for CSU
Satisfies General Education for: Grossmont College D3; CSU D3, D6; IGETC 4C, 4F
Transfers to: CSU, UC (credit limited: see page 39)

† This course meets all Title 5 standards for Associate Degree Credit.

History 135 †
Ancient History of Western Civilization
3 units, 3 hours lecture
Recommended Preparation: *A "C" grade or higher or "Pass" in English 110 or equivalent.*
A study of the ancient civilizations of the Near East and Mediterranean and the contributions they have made to the evolution of Western civilization. Included are Mesopotamia, Egypt, Israel, Crete, Greece, and Rome. Particular emphasis will be placed upon ideas (both religious and secular), literature, and art as sources for an historical interpretation.
Satisfies General Education for: Grossmont College C1; CSU C2; IGETC 3B
Transfers to: CSU, UC

History 136 †
Survey of Medieval History
3 units, 3 hours lecture
Recommended Preparation: *A "C" grade or higher or "Pass" in English 110 or equivalent.*
Introduction to the social, political and cultural dimensions of the Middle Ages, focusing on western civilizations. The course begins in Antiquity, examines the decline of the Western Roman Empire and ends with the early voyages of discovery. Topics include: Western Catholic Church's rise to power, consolidation and fragmentation of empires/kingdoms; Germanic and Roman roots of medieval cultures; Viking, Magyar, and Muslim invasions; Crusades; philosophy, science, and superstition; gender and sexuality; early motives for exploration.
Satisfies General Education for: Grossmont College C1; CSU C2, D6, IGETC 3B, 4F
Transfers to: CSU, UC

History 137 †
History of East Asia
3 units, 3 hours lecture
Recommended Preparation: *A "C" grade or higher or "Pass" in English 110 or equivalent.*
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.
Satisfies General Education for: Grossmont College C1; CSU C2; IGETC 3B
Transfers to: CSU, UC

History 147 †
(Cross-Cultural Studies 147)
Middle East History and Culture
3 units, 3 hours lecture
An examination of significant historical and cultural factors that shape the perceptions, attitude, and views of the people of the Middle East. Attention will be given to the role of religion, nationalism, and Islamic currents. The relationship between the East and the West will be examined and assessed.
Satisfies General Education for: Grossmont College C1; CSU C2, D6; IGETC 3B, 4F
Transfers to: CSU, UC (credit limited: see page 39)

History 148 †
Emergence of the Modern Middle East
3 units, 3 hours lecture
Recommended Preparation: *A "C" grade or higher or "Pass" in English 110 or equivalent.*
A historical survey exploring the events leading to the creation and emergence of the modern Middle East. Ranging from the 7th century to the present, the course includes the origin and spread of Islam, Islamic dynasties and civilization, Crusades, Ottoman Empire, Persia/Iran, interactions with and colonization by Western powers, rise of 20th century independent nation-states, creation of Israel and the Arab-Israeli conflict, 20th century wars and conflicts, famous political/religious leaders, intellectual/scientific accomplishments, and artistic/literary works.
Satisfies General Education for: Grossmont College C1: CSU C2, D6; IGETC 3B, 4F
Transfers to: CSU, UC

History 150 †
(Cross-Cultural Studies 150)
U.S. History: Asian American Perspectives I
3 units, 3 hours lecture
Recommended Preparation: *A "C" grade or higher or "Pass" in English 110 or equivalent.*
An historical analysis of the Asian American experience from 1848 to World War II. Attention will be given to the origins of the United States Constitution and the political philosophy of its framers. An analysis of the Asian American perspective: cultural roots, immigration and settlement patterns, labor, legal, political and social history. Emphasis is placed on Filipino Americans, Chinese Americans, Japanese Americans and recent immigrant groups from Korea and Southeast Asia.
Satisfies General Education for: Grossmont College D3; CSU D3, D6; IGETC 4F
Transfers to: CSU, UC (credit limited: see page 39)

History 151 †
(Cross-Cultural Studies 151)
U.S. History: Asian American Perspectives II
3 units, 3 hours lecture
Recommended Preparation: *A "C" grade or higher or "Pass" in English 110 or equivalent.*
An historical analysis of the Asian American experience from WWII to the present. Attention will be given to the origins of the United States Constitution and the political philosophy of its framers. An analysis of the Asian American perspective: cultural roots, immigration and settlement patterns, labor, legal, political and social history. Emphasis is placed on Filipino Americans, Chinese Americans, Japanese Americans and recent immigrant groups from Korea and Southeast Asia.
Satisfies General Education for: Grossmont College D3; CSU D3, D6; IGETC 4F
Transfers to: CSU, UC (credit limited: see page 39)

History 154 †
(Cross-Cultural Studies 154)
Early History of Women in World Civilization
3 units, 3 hours lecture
Recommended Preparation: *A "C" grade or higher or "Pass" in English 110 or equivalent.*
This course covers the concepts and images of womanhood and gender, social, economic, political, cultural and intellectual aspects of women in world society from prehistoric to the period of the Renaissance (1500 A.D.). Western and non-Western indigenous women of color will be discussed, including those from Asia, Africa, the Americas and Europe. The objective is to gain an understanding and global view of women's past accomplishments, as well as limitations, which may illuminate their present and future.
Satisfies General Education for: Grossmont College D1; CSU D4; IGETC 4C, 4D, 4F
Transfers to: CSU, UC (credit limited: see page 39)

† This course meets all Title 5 standards for Associate Degree Credit.

History 155 †
(Cross-Cultural Studies 155)
Modern History of Women in World Civilization
3 units, 3 hours lecture
Recommended Preparation: *A "C" grade or higher or "Pass" in English 110 or equivalent.*
This course covers the concepts and images of womanhood and gender, social, economic, political, cultural and intellectual aspects of women in world society from 1500 A.D. to the modern era. Western and non-Western indigenous women of color will be discussed, including those from Asia, Africa, the Americas and Europe. The objective is to gain an understanding and global view of women's past accomplishments, as well as limitations, which may illuminate their present and future.
Satisfies General Education for: Grossmont College D1; CSU D4; IGETC 4C, 4D, 4F
Transfers to: CSU, UC (credit limited: see page 39)

History 156 †
Women in Early Western Civilizations
3 units, 3 hours lecture
Recommended Preparation: *A "C" grade or higher or "Pass" in English 110 or equivalent.*
This course covers the social, cultural, economic, political, and ideological aspects of Western Civilization through a study of women's lives from the ancient civilizations of the Near East through the end of the Early Modern period in the West, ca 1650. Students analyze the contributions of women to the evolution of Mediterranean and Western civilizations. Issues of gender, sex, sexuality, race, and class will be included.
Satisfies General Education for: Grossmont College C1; CSU D4, D6; IGETC 4D, 4F
Transfers to: CSU, UC

History 157 †
Women in Modern Western Civilizations
3 units, 3 hours lecture
Recommended Preparation: *A "C" grade or higher or "Pass" in English 110 or equivalent.*
This course covers the social, cultural, economic, political, and ideological aspects of Western Civilization through a study of women's lives ca 1650 to the present. Students analyze the contributions of women to the evolution of modern Western civilizations. Issues of gender, sex, sexuality, race, and class will be included.
Satisfies General Education for: Grossmont College C1; CSU D4, D6; IGETC 4D, 4F
Transfers to: CSU, UC

History 180 †
(Cross-Cultural Studies 180)
U.S. History: Black Perspectives I
3 units, 3 hours lecture
Recommended Preparation: *A "C" grade or higher or "Pass" in English 110 or equivalent.*
An examination of significant aspects of United States history with emphasis on the social, economic, political, and cultural implications to Black people in the United States. Attention is given to Black history and culture beginning in ancient Africa and its ramifications on significant events in the history of America. This course traces the development of the Afro-American through the period of slavery in America to the Civil War. Parallels and differences are drawn between the national character of the early American colonists and the African slaves. The Federal Constitution is studied as well as the political philosophies of early Americans. Implications of the impact of Blacks on the Constitutional Convention, i.e., the 4/5 Clause and subsequent amendments to the United States Constitution are examined. Particular attention is given to local and state legislation, i.e., regulations of slavery, movement of Blacks and social implications.
Satisfies General Education for: Grossmont College D3; CSU D3, D6; IGETC 4C
Transfers to: CSU, UC (credit limited: see page 39)

History 181 †
(Cross-Cultural Studies 181)
U.S. History: Black Perspectives II
3 units, 3 hours lecture
Recommended Preparation: *A "C" grade or higher or "Pass" in English 110 or equivalent.*
An examination of significant aspects of United States history from the Civil War to the present. Emphasis is placed on the socio-economic, political, and cultural experience of Black people in the United States. The study begins at the emancipation of the slaves right after the Civil War and concentrates on the free Blacks in America. The covered time period is 1865 to the present. The Federal and State Constitutions are studied with special emphasis on the amendments that were passed since the 13th amendment freed the slaves.
This course meets Track 2 Part B of the American Institutions requirement for CSU
Satisfies General Education for: Grossmont College D3; CSU D3, D6; IGETC 4C
Transfers to: CSU, UC (credit limited: see page 39)

History 194 †
Community Service Learning Experience
1 unit, 5 hours work experience per week
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 include placement in a community based historical site, archives, museum, or with K-12 history/social studies students. For work experience requirements, see page 30.
Transfers to CSU

History 199
Special Studies or Projects in History
1-3 units, 3-9 hours
Prerequisite: *Consent of instructor.*
Individual study, research or projects in the field of history under instructor guidance. Written reports and periodic conferences required. Content and unit credit to be determined by student/instructor conferences and/or division. May be repeated for a maximum of nine units.

History 298 ††
Selected Topics in History
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in history not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of English and Social/Behavioral Sciences in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class. Pass/No Pass only.
Non-associate degree applicable

History 299A †
Selected Topics in History
1-3 units, 3-9 hours
Prerequisite: Varies with topic.
Selected topics in history not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of English and Social/Behavioral Sciences in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class.
Associate degree applicable

† This course meets all Title 5 standards for Associate Degree Credit.
†† This course meets all Title 5 standards for Nondegree Credit.

History 299B †
Selected Topics in History
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in history not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of English and Social/ Behavioral Sciences in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class.
Baccalaureate level-CSU transfer

Humanities (HUM)

Humanities 110 †
Principles of the Humanities
3 units, 3 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.
Satisfies General Education for: Grossmont College C1; CSU C1, C2; IGETC 3B
Transfers to: CSU, UC

Humanities 120 †
European Humanities
3 units, 3 hours lecture
An integrated approach to European cultural values as expressed in representative masterpieces of literature, philosophy, drama, music, visual art and architecture.
Satisfies General Education for: Grossmont College C1; CSU C1, C2; IGETC 3B
Transfers to: CSU, UC (credit limited: see page 39)

Humanities 125 †
Women and Western Culture
3 units, 3 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.
Satisfies General Education for: Grossmont College C1; CSU C2; IGETC 3B
Transfers to: CSU, UC (credit limited: see page 39)

Humanities 130 †
East Asian Humanities
3 units, 3 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.
Satisfies General Education for: Grossmont College C1; CSU C2; IGETC 3B
Transfers to: CSU, UC (credit limited: see page 39)

Humanities 135 †
Blues as Literature, History, and Culture
3 units, 3 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.
Satisfies General Education for: Grossmont College C1; CSU C2; IGETC 3B
Transfers to: CSU, UC

Humanities 160 †
Humanities of the Future
3 units, 3 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.
Satisfies General Education for: Grossmont College C1; CSU C2
Transfers to: CSU, UC

Humanities 170 †
Modern World Humanities
3 units, 3 hours lecture
A comparative study of the modern cultural domains of the world: 1) East Asia, 2) Middle East and Near East, 3) Europe, and 4) the 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.
Satisfies General Education for: Grossmont College C1; CSU C2; IGETC 3B
Transfers to: CSU, UC (credit limited: see page 39)

Humanities 194 †
Community Service Learning Experience
1 unit, 5 hours work experience per week
Community Service Learning Experience (CSLE) is a community outreach program which promotes 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. For work experience requirements, see page 30.
Transfers to CSU

Humanities 199
Special Studies or Projects in Humanities
1-3 units, 3-9 hours
Prerequisite: *Consent of instructor.*
Individual study, research or projects in the field of humanities under instructor guidance. Written reports and periodic conferences required. Content and unit credit to be determined by student/ instructor conferences and/or division. May be repeated for a maximum of nine units.

Humanities 298 ††
Selected Topics in Humanities
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in humanities not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Arts, Languages and Communication in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class. Pass/No Pass only.
Non-associate degree applicable

Humanities 299A †
Selected Topics in Humanities
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in humanities not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Arts, Languages and Communication in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class.
Associate degree applicable

† This course meets all Title 5 standards for Associate Degree Credit.
†† This course meets all Title 5 standards for Nondegree Credit.

Humanities 299B †
Selected Topics in Humanities
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in humanities not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Arts, Languages and Communication in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class.
Baccalaureate level-CSU transferable

Interdisciplinary Studies (IDS)

Interdisciplinary Studies 198
Supervised Tutoring
0 units, 50 hours
Corequisite: *Official enrollment in Grossmont College.*
This course uses a variety of educational tools to assist students with various learning needs. It could be used to strengthen prerequisite skills prior to enrolling in a specific course or to receive supplemental assistance while enrolled in another course. The course may be repeated with different content. This is a no fee/no credit course.

Italian (ital)

Italian 120 †
Italian I
5 units, 5 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.
Satisfies General Education for: Grossmont College C2; CSU C2; IGETC 6A
Transfers to: CSU, UC

Italian 121 †
Italian II
5 units, 5 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in Italian 120 or two years of high school Italian or equivalent.*
Italian 121 is the continuation of Italian 120. The course will continue to develop oral and written skills based on practical everyday needs.
Satisfies General Education for: Grossmont College C2; CSU C2; IGETC 3B, 6A
Transfers to: CSU, UC

Italian 199
Special Studies or Projects in Italian
1-3 units, 3-9 hours
Prerequisite: *Consent of instructor.*
Individual study, research or projects in the field of Italian under instructor guidance. Written reports and periodic conferences required. Content and unit credit to be determined by student/instructor conferences and/or division. May be repeated for a maximum of nine units.

Italian 220 †
Italian III
5 units, 5 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in Italian 121 or three years of high school Italian or equivalent.*
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.
Satisfies General Education for: Grossmont College C2; CSU C2; IGETC 3B, 6A
Transfers to: CSU, UC

Italian 221 †
Italian IV
5 units, 5 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in Italian 220 or four years of high school Italian or equivalent.*
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.
Satisfies General Education for: Grossmont College C2; CSU C2; IGETC 3B, 6A
Transfers to: CSU, UC

Italian 250 †
Conversational Italian I
3 units, 3 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in Italian 121 or three years of high school Italian or equivalent.*
The course will continue to develop oral, listening, reading and writing skills with emphasis on oral proficiency.
Satisfies General Education for: Grossmont College C2; CSU C2
Transfers to: CSU, UC

Italian 251 †
Conversational Italian II
3 units, 3 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in Italian 250 or four years of high school Italian or equivalent.*
The course will continue to develop at a higher level oral, listening, reading and writing skills with emphasis on oral proficiency.
Satisfies General Education for: Grossmont College C2; CSU C2
Transfers to: CSU, UC

Italian 298 ††
Selected Topics in Italian
1-5 units, 3-15 hours
Prerequisite: *Varies with topic.*
Selected topics in Italian not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Arts, Languages and Communication and in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture. Pass/No Pass only.
Non-associate degree applicable

Italian 299A †
Selected Topics in Italian
1-5 units, 3-15 hours
Prerequisite: *Varies with topic.*
Selected topics in Italian not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Arts, Languages and Communication in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture.
Associate degree applicable

† This course meets all Title 5 standards for Associate Degree Credit.
†† This course meets all Title 5 standards for Nondegree Credit.

Italian 299B †
Selected Topics in Italian
1-5 units, 3-15 hours
Prerequisite: *Varies with topic.*
Selected topics in Italian not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Arts, Languages and Communication in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture.
Baccalaureate level-CSU transfer

Japanese (JAPN)

Japanese 120 †
Japanese I
5 units, 5 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.
Satisfies General Education for: Grossmont College C2; CSU C2; IGETC 6A
Transfers to: CSU, UC

Japanese 121 †
Japanese II
5 units, 5 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in Japanese 120 or two years of high school Japanese or equivalent.*
Japanese 121 is the continuation of Japanese 120. The course will continue to develop oral and written skills based on practical everyday needs.
Satisfies General Education for: Grossmont College C2; CSU C2; IGETC 3B, 6A
Transfers to: CSU, UC

Japanese 149 †
(Cross-Cultural Studies 149)
Japanese Culture and Civilization
3 units, 3 hours lecture
A 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.
Satisfies General Education for: Grossmont College C1; CSU C2; IGETC 3B
Transfers to: CSU, UC (credit limited: see page 39)

Japanese 196 A-B-C-D †
Community Service Learning Experience
1 unit, 5 hours work experience per week
Prerequisite: *A "C" grade or higher or "Pass" in Japanese 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. For work experience requirements, see page 30.
Transfers to CSU

Japanese 199
Special Studies or Projects in Japanese
1-3 units, 3-9 hours
Prerequisite: *Consent of instructor.*
Individual study, research or projects in the field of Japanese under instructor guidance. Written reports and periodic conferences required. Content and unit credit to be determined by student/instructor conferences and/or division. May be repeated for a maximum of nine units.

Japanese 220 †
Japanese III
5 units, 5 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in Japanese 121 or three years of high school Japanese or equivalent.*
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.
Satisfies General Education for: Grossmont College C2; CSU C2; IGETC 3B, 6A
Transfers to: CSU, UC

Japanese 221 †
Japanese IV
5 units, 5 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in Japanese 220 or four years of high school Japanese or equivalent.*
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.
Satisfies General Education for: Grossmont College C2; CSU C2; IGETC 3B, 6A
Transfers to: CSU, UC

Japanese 250 †
Conversational Japanese I
3 units, 3 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in Japanese 121 or three years of high school Japanese or equivalent.*
The course will continue to develop oral, listening, reading and writing skills with emphasis on oral proficiency.
Satisfies General Education for: Grossmont College C2; CSU C2
Transfers to: CSU, UC

Japanese 251 †
Conversational Japanese II
3 units, 3 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in Japanese 250 or four years of high school Japanese or equivalent.*
The course will continue to develop at a higher level oral, listening, reading and writing skills with emphasis on oral proficiency.
Satisfies General Education for: Grossmont College C2; CSU C2
Transfers to: CSU, UC

Japanese 298 ††
Selected Topics in Japanese
1-5 units, 3-15 hours
Prerequisite: *Varies with topic.*
Selected topics in Japanese not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Arts, Languages and Communication in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class. Pass/No Pass only.
Non-associate degree applicable

Japanese 299A †
Selected Topics in Japanese
1-5 units, 3-15 hours
Prerequisite: *Varies with topic.*
Selected topics in Japanese not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Arts, Languages and Communication in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class.
Associate degree applicable

† This course meets all Title 5 standards for Associate Degree Credit.
†† This course meets all Title 5 standards for Nondegree Credit.



Japanese 299B †
Selected Topics in Japanese
1-5 units, 3-15 hours
Prerequisite: *Varies with topic.*
Selected topics in Japanese not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Arts, Languages and Communication in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class.
Baccalaureate level-CSU transfer

Journalism
See: Media Communications

Library Information Resources (LIR)

Library Information Resources 110 †
Research Methods in an Online World
1 unit, 1 hour lecture
Recommended Preparation: *A "C" grade or higher or "Pass" in English 110 or ESL 119 or equivalent.*
Designed for the student who would like to become an effective online researcher. Students will learn to select and effectively use appropriate research tools—such as subscription databases, online catalogs, search engines, online directories, meta-search engines, subscription databases, and online catalogs—for specific information needs. Students will develop search strategies and express their research questions in relevant search terms. In addition, they will evaluate information and create citations in accordance with style manuals. Ethical issues about information will also be introduced. Familiarity with basic microcomputer operation is strongly recommended.
Transfers to CSU

Library Information Resources 199
Special Studies or Projects in Library Information Resources
1-3 units, 3-9 hours
Prerequisite: *Consent of instructor.*
Individual study, research or projects in the field of Library Information Resources under instructor guidance. Written reports and periodic conferences required. Content and unit credit to be determined by student/instructor conferences and/or division. May be repeated for a maximum of nine units.

Library Information Resources 298 ††
Selected Topics in Library Information Resources
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in Library Information Resources not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Learning and Technology Resources in relation to community/student need(s) and/or available staff. May be offered as seminar or lecture class. Pass/No Pass only.
Non-associate degree applicable

Library Information Resources 299A †
Selected Topics in Library Information Resources
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in Library Information Resources not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Learning and Technology Resources in relation to community/student need(s) and/or available staff. May be offered as seminar or lecture class.
Associate degree applicable

Library Information Resources 299B †
Selected Topics in Library Information Resources
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in Library Information Resources not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Learning and Technology Resources in relation to community/student need(s) and/or available staff. May be offered as seminar or lecture class.
Baccalaureate level-CSU transfer

Mathematics (MATH)

Course eligibility is required of all students prior to enrolling in any math course. Course eligibility is obtained by one of the following:

a. Satisfactorily completing all prerequisite courses.
b. Taking a math assessment to determine current math skills.
c. Obtaining a math waiver form from the Counseling Center.
d. Present college transcripts to the counseling staff showing satisfactory completion of equivalent prerequisite courses. When possible, bring a course description to assist in determining course equivalency. Students with transcripts from foreign colleges should contact the Mathematics Department or the Counseling Center.

† This course meets all Title 5 standards for Associate Degree Credit.
†† This course meets all Title 5 standards for Nondegree Credit.

Mathematics 080 †† Basic Mathematics
2 units, 2 hours lecture
Fundamentals of arithmetic including addition, subtraction, multiplication, and division are reviewed with stress placed upon mental arithmetic involving whole numbers. Operations with fractions, decimals and percent are stressed. This course is offered on a Pass/No Pass only. (Nondegree credit course)

Mathematics 087 †† Strategies for Success in Math 080–Math 090
1 unit, 1 hour lecture
An introduction to strategies to improve success in math courses. Included in the course are test taking strategies, techniques to deal with math anxiety, textbook reading skills, ways to improve note taking and memory, and effective homework practices. Students will identify various aspects of their learning style and use the information to develop study strategies that are appropriate for a math course. This course may be taken prior to taking a math class or concurrently with Math 080, 088, 089 or 090. This course is offered on a Pass/No Pass basis only. (Nondegree credit course)

Mathematics 088 †† Pre-Algebra
4 units, 4 hours lecture
This course covers the derivation and use of selected measurement concepts; and the development of pre-algebra ideas such as variable, signed numbers and equations. This course is offered on a Pass/No Pass basis only. (Nondegree credit course)

Mathematics 088L †† Computer Tutorial Review for Pre-Algebra
1 unit, 3 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 a basic mathematics or pre-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)

Mathematics 089 †† Pre-Algebra for the Math Anxious
5 units, 5 hours lecture
This course will teach students to overcome mathematics anxiety and prepare them for elementary algebra. Emphasis in the course will be on developing self confidence through successfully solving arithmetic, algebraic and geometric problems. Students will learn effective skills, including cooperative learning and test taking techniques. A variety of nontraditional materials and techniques will be used in the presentation of concepts. This course is offered on a Pass/No Pass basis only. (Nondegree credit course)

Mathematics 090 †† Elementary Algebra
5 units, 5 hours lecture, or 4 hours lecture plus 2 hours computer assisted instruction (4.5 hours lecture and 1.5 hours laboratory)
Recommended Preparation: *A "Pass" grade in MATH 088 or equivalent.*
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, 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. (Nondegree credit course)

Mathematics 090L †† Computer Tutorial Review for Elementary Algebra
1 unit, 3 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)

Mathematics 097 †† Plane Geometry
3 units, 3 hours lecture
Prerequisite: *A "Pass" grade in MATH 090 or equivalent.*
This course introduces essential vocabulary, properties and characteristics of geometric objects and geometric constructions. The concepts of plane geometry are developed inductively and then deductively. Integrated computer instruction offers a dynamic presentation of geometric concepts. This course is offered on a Pass/No Pass basis only. (Nondegree credit course)

Mathematics 103 † Intermediate Algebra
3 units, 3 hours lecture
Prerequisite: *A "Pass" grade in MATH 090 or equivalent.*
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.
Satisfies General Education for Grossmont College A3

† This course meets all Title 5 standards for Associate Degree Credit.
†† This course meets all Title 5 standards for Nondegree Credit.

Mathematics 110 †
Intermediate Algebra for Business, Math, Science and Engineering Majors

5 units, 5 hours lecture or 4 hours lecture plus 2 hours computer assisted instruction (4.5 hours lecture and 1.5 hours laboratory)
Prerequisite: *A "Pass" grade in MATH 090 or equivalent.*
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.
Satisfies General Education for Grossmont College A3

Mathematics 110L ††
Computer Tutorial Review for Intermediate Algebra

1 unit, 3 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)

Mathematics 120 †
Mathematics for General Education

3 units, 3 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in MATH 103 or 110 or equivalent.*
Designed to give a brief survey at skills level of the historical development and current application of such topics as algebra and analysis, logic, geometry, probability and statistics, graphs, and computers.
Satisfies General Education for: Grossmont College A3; CSU B4, IGETC 2A
Transfers to: CSU, UC (credit limited see page 39)

Mathematics 125 †
Structure and Concepts of Elementary Mathematics I

3 units, 3 hours lecture, 1 hour laboratory
Prerequisite: *A "C" grade or higher or "Pass" in MATH 103 or 110 AND MATH 097, or equivalent.*
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.
Satisfies General Education for: Grossmont College A3; CSU B4, IGETC 2A
Transfers to: CSU, UC (credit limited: see page 39)

Mathematics 126 †
Structure and Concepts of Elementary Mathematics II

3 units, 3 hours lecture, 1 hour laboratory
Prerequisite: *A "C" grade or higher or "Pass" in Math 125 or equivalent.*
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.
Satisfies General Education for: Grossmont College A3; CSU B4, IGETC 2A
Transfers to: CSU, UC (credit limited: see page 39)

Mathematics 128 †
Children's Mathematical Thinking

1.5 units, 1.5 hours lecture
Corequisite: *MATH 125.*
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.
Transfers to CSU

Mathematics 150 †
Introduction to Computer Programming Applications in Mathematics

3 units, 3 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in Math 110 or equivalent.*
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.
Satisfies General Education for: Grossmont College A3
Transfers to: CSU, UC

Mathematics 160 †
Elementary Statistics

4 units, 4 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in MATH 103 or 110 or equivalent.*
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; nonparametric statistics; linear correlation and regression. Students will learn to use a graphing calculator and/or statistical software. Applications come from various fields such as biology, business, economics, education, engineering, demography and psychology.
Satisfies General Education for: Grossmont College A3; CSU B4; IGETC 2A
Transfers to: CSU, UC (credit limited: see page 39)

† This course meets all Title 5 standards for Associate Degree Credit.
†† This course meets all Title 5 standards for Nondegree Credit.

Mathematics 160L †† Computer Tutorial for Elementary Statistics
1 unit, 3 hours laboratory
This course consists of computer-aided tutorials, drills, and problem sets for the purpose of helping the student master the concepts of statistics. This course is offered on a Pass/No Pass basis only. (Nondegree credit course)

Mathematics 170 † Analytic Trigonometry
3 units, 3 hours lecture
Prerequisite: *A "Pass" grade in MATH 097 or equivalent and a "C" grade or higher in MATH 110 or equivalent. Note: MATH 103 is not equivalent to MATH 110.*
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.
Satisfies General Education for: Grossmont College A3; CSU B4
Transfers to CSU

Mathematics 175 † College Algebra
4 units, 4 hours lecture
Prerequisite: *A "C" grade or higher in MATH 110 or equivalent. Note: MATH 103 is not equivalent to MATH 110.*
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. A student can receive credit for only Math 170 and 175, or Math 176.
Satisfies General Education for: Grossmont College A3; CSU B4; IGETC 2A
Transfers to: CSU, UC (credit limited: see page 39)

Mathematics 176 † Precalculus: Functions and Graphs
6 units, 6 hours lecture
Prerequisite: *A "C" grade or higher in MATH 110 or equivalent and MATH 097 or equivalent. (MATH 103 is not equivalent to MATH 110.)*
Unification of college algebra and analytical trigonometry based on the function concept. Topics include properties of real number system, inequalities, theory or equations, complex numbers, the study of functions including inverse functions, logarithmic and exponential functions, trigonometric functions with emphasis on circular functions, trigonometric identities, trigonometric equations, graphical methods and solving triangles with applications, matrices, binomial theorem, mathematical induction, sequences and series. Completion of the Matriculation Process is highly recommended. Completion of college algebra or trigonometry will enhance the student's preparation for this course. A student can earn a maximum of 6 units when taking MATH 170, 175, and 176.
Satisfies General Education for: Grossmont College A3; CSU B4, IGETC 2A
Transfers to: CSU, UC (credit limited: see page 39)

Mathematics 177 † Introduction to Teaching Secondary Mathematics
3 units, 2 hours lecture, 3 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in MATH 175 or equivalent.*
Introduction to the teaching and learning of mathematics in secondary school classrooms. Designed for students with an interest/background in mathematics particularly those who may consider teaching mathematics as a career. The course includes seminar work with mathematical problems as well as discussions on assessment and methodology used in the secondary school environment. It includes on-site field experience in secondary schools with a mentor teacher, as a service learning component, and provides students with insight to a secondary school teaching career in mathematics. The course will be designed to allow students to address a variety of learning modalities by observation in the field and discussing learning approaches through their own mathematical problem solving experiences.
Transfer to: CSU, UC

Mathematics 178 † Calculus for Business, Social and Behavioral Sciences
4 units, 4 hours lecture
Prerequisite: *A "C" grade or higher in MATH 110 or equivalent. Note: MATH 103 is not equivalent to MATH 110.*
Recommended Preparation: *MATH 175.*
An introduction to matrix algebra, differential and integral calculus with applications specifically designed for business, social and behavioral sciences. Not open to students with credit in Math 180.
Satisfies General Education for: Grossmont College A3; CSU B4; IGETC 2A
Transfers to: CSU, UC (credit limited: see page 39)

Mathematics 180 † Analytic Geometry and Calculus I
5 units, 5 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in MATH 170 and MATH 175 or MATH 176 or equivalent.*
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 Math majors.
Satisfies General Education for: Grossmont College A3; CSU B4; IGETC 2A
Transfers to: CSU, UC (credit limited: see page 39)

Mathematics 199 Special Studies or Projects in Mathematics
1-5 units, 3-15 hours
Prerequisite: *Consent of instructor.*
Individual study, research or projects in the field of mathematics under instructor guidance. Written reports and periodic conferences required. Content and unit credit to be determined by student/instructor conferences and/or division. May be repeated for a maximum of six units.

Mathematics 245 † Discrete Mathematics
3 units, 3 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in MATH 280 or equivalent.*
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.
Satisfies General Education for: Grossmont College A3; CSU B4; IGETC 2A
Transfers to: CSU, UC

† This course meets all Title 5 standards for Associate Degree Credit.

Mathematics 280 †
Analytic Geometry and Calculus II
4 units, 4 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in MATH 180 or equivalent.*
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.
Satisfies General Education for: Grossmont College A3; CSU B4; IGETC 2A
Transfers to: CSU, UC

Mathematics 281 †
Multivariable Calculus
4 units, 4 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in MATH 280 or equivalent.*
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, divergence theorem.
Satisfies General Education for: Grossmont College A3; CSU B4; IGETC 2A
Transfers to: CSU, UC

Mathematics 284 †
Linear Algebra
3 units, 3 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in MATH 280 or equivalent.*
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.
Satisfies General Education for: Grossmont College A3; CSU B4; IGETC 2A
Transfers to: CSU, UC

Mathematics 285 †
Differential Equations
3 units, 3 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in MATH 280 or equivalent.*
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.)
Satisfies General Education for: Grossmont College A3; CSU B4; IGETC 2A
Transfers to: CSU, UC

Mathematics 298 ††
Selected Topics in Mathematics
1-5 units, 3-15 hours
Prerequisite: *Varies with topic.*
Selected topics in mathematics not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Mathematics, Natural Sciences, Exercise Science and Wellness in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class. Pass/No Pass only.
Non-associate degree applicable

Mathematics 299A †
Selected Topics in Mathematics
1-5 units, 3-15 hours
Prerequisite: *Varies with topic.*
Selected topics in mathematics not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Mathematics, Natural Sciences, Exercise Science and Wellness in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class.
Associate degree applicable

Mathematics 299B †
Selected Topics in Mathematics
1-5 units, 3-15 hours
Prerequisite: *Varies with topic.*
Selected topics in mathematics not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Mathematics, Natural Sciences, Exercise Science and Wellness in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class.
Baccalaureate level-CSU transfer

Media Communications (MCOM)

Media Communications 105 †
Introduction to Radio and Television
3 units, 3 hours lecture
This course is a survey of the development of radio and television operations and their impact on culture and society. Topics will include historical and critical comparisons of radio and television broadcasting, laws, acts and regulations, structure, management functions, delivery methods, technological developments, cross cultural comparisons and societal aspects in America.
Transfers to CSU

Media Communications 110 †
Mass Media and Society
3 units, 3 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.
Satisfies General Education for: Grossmont College D1; CSU D7; IGETC 4G
Transfers to: CSU, UC

Media Communications 111 †
Motion Picture Film Analysis
4 units, 4 hours lecture
A comparative study of the film genre with emphasis on the analysis of narrative content and structure, visual and aural aesthetics, and the technical structure of motion pictures. The course will include analysis and various interpretations of social and historical contexts of motion picture films. We will study the potential for film media to have cultural, psychological, or sociological affects on members of our society, and the way(s) motion picture films represent, shape, or distort our view of society and its' members.
Satisfies General Education for: Grossmont College C3; CSU C1
Transfers to: CSU, UC

† This course meets all Title 5 standards for Associate Degree Credit.
†† This course meets all Title 5 standards for Nondegree Credit.

Media Communications 112 † Media News Writing
3 units, 3 hours lecture
Beginning study of basic news writing with intensive practice in converting the raw data of a news event into a completed news story ready for publication in print or broadcast media.
Transfers to CSU

Media Communications 113 † Media Announcing
3 units, 2 hours lecture, 3 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.
Transfers to CSU

Media Communications 115 † Basic Professional Editing Principles
3 units, 3 hours lecture
An examination of the theory, principles, conventions, and techniques of professional editing for producing film and television programs. The student will compare and contrast linear, tape based editing, and non-linear digital editing. The standards will be presented of the professional editing process in telling a story with the film medium, maintaining story continuity, and the conventional use of transitions, effects, graphics sound and titles to enhance a program. Professional editing systems will be compared and contrasted, as well as popular software programs.
Transfers to CSU

Media Communications 116 † Introduction to Audio Production
3 units, 2 hours lecture, 3 hours laboratory
Introduction to the theory, terminology and basic skills in the understanding and operation of analog and digital audio equipment. Includes hands-on operation and production on analog and digital audio equipment found in professional broadcast, audio/video, new media and recording facilities.
Transfers to CSU

Media Communications 117 † Television Studio Operations
4 units, 3 hours lecture, 3 hours laboratory
An introduction to the operation of television studio and control room equipment and the personnel required for news or documentary program production in a television studio. Instruction will include proper operation of analog or digital video and audio equipment. Students will also learn basic technical engineering principles of video and audio systems.
Transfers to CSU

Media Communications 118 † Media Script Writing
3 units, 3 hours lecture
A practical study in the writing of screenplays and scripts for media delivery through pictures and sound with an emphasis on developing the writer's creative process in professional industry formats. Students, under faculty supervision, will examine industry styles and develop original screenplays for narrative and non-narrative programs of various lengths. Students will learn a working process for creating a finished script of dialogue and/or narration that shows continuity and conforms to industry standards.
Transfers to CSU

Media Communications 119 A-B-C-D † Fundamentals of Radio Broadcasting
3 units, 1 hour lecture, 6 hours laboratory
Corequisite: *Successful completion of or concurrent enrollment in MCOM 113 or 116.*
This course focuses on both production (studio operations) and non-production (business operations) functions in a radio broadcasting station. Emphasis is placed on individual involvement in all aspects of station operations, including news, sports and music program production, sales, traffic, promotion and public affairs. New students will, under faculty supervision, observe day-to-day station operations and assist staff members. As they progress, students will be assigned to live operation of the Griffin Radio on a regular basis. They are also assigned departmental manager duties on a rotating basis. Griffin Radio is recognized as the official student radio station of Grossmont College, and is operated as a lab through the Media Communication's curriculum.
Transfers to CSU

Media Communications 120 † Basic Video Cinematography
3 units, 2 hours lecture, 3 hours laboratory
Principles of cinematography and the use of portable digital video cameras, recorders and editors. Students will learn to create basic video productions, which includes planning, writing, shooting and editing in various video program formats. Students will learn non-linear editing principles and practices and will execute editing techniques on non-linear, computer-based editors, using digital software to complete video programs.
Transfers to: CSU, UC

Media Communications 132 A-B-C-D † Campus Newspaper Production
3 units, 1 hour lecture, 6 hours laboratory
News gathering, reporting and writing for the weekly campus newspaper. Includes reporting, editing, digital production and distribution. Emphasis is placed on individual involvement in the application of print news journalism, under the supervision of faculty. Students could also be assigned duties as various news, sport and feature editors. *The Summit* is recognized as the official student newspaper of Grossmont College, and is operated as a lab through the Media Communications Department's curriculum.
Transfers to CSU

Media Communications 150 A-B-C † Electronic Media Internship Seminar
.5 unit, 1 hour lecture
Prerequisite: *Successful completion of MCOM 116 and 117 or equivalent.*
Corequisite: *Concurrent enrollment in MCOM 151 or 153 or 155.*
A seminar for students currently enrolled in the internship program. Seminar discussions will include problems and examples of work situations, human relations, public relations, and job-search techniques.
Transfers to CSU

Media Communications 151 † Electronic Media Internship
1 unit, 5 hours work experience per week
Prerequisite: *Successful completion of MCOM 116 and 117 or equivalent.*
Corequisite: *Concurrent enrollment in MCOM 150A.*
Students will observe operations and work in radio stations, television stations, CCTV production centers, and film production companies. Students will work for five hours per week, on-site, and will report progress at the Media Communications 150 seminar. A diary will be kept on student activities at the production site. For work experience requirements, see page 30.
Transfers to CSU

† This course meets all Title 5 standards for Associate Degree Credit.

Media Communications 153 † Electronic Media Internship

2 units, 10 hours work experience per week
Prerequisite: *Successful completion of MCOM 116 and 117 or equivalent.*
Corequisite: *Concurrent enrollment in MCOM 150B.*
Students will observe operations and work in radio stations, television stations, CCTV production centers, and film production companies. Students will work for ten hours per week, on-site, and will report progress at the Media Communications 150 seminar. A diary will be kept on student activities at the production site. For work experience requirements, see page 30.
Transfers to CSU

Media Communications 155 † Electronic Media Internship

3 units, 15 hours work experience per week
Prerequisite: *Successful completion of MCOM 116 and 117 or equivalent.*
Corequisite: *Concurrent enrollment in MCOM 150C.*
Students will observe operations and work in radio stations, television stations, CCTV production centers, and film production companies. Students will work for five hours per week, on-site, and will report progress at the Media Communications 150 seminar. A diary will be kept on student activities at the production site. For work experience requirements, see page 30.
Transfers to CSU

Media Communications 189 † (Art 189, Music 189, Theatre Arts 189) Multimedia and the Creative Arts

3 units, 3 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 video-graphers. 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.
Satisfies General Education for Grossmont College C3
Transfers to: CSU, UC (credit limited: see page 39)

Media Communications 199 Special Studies or Projects in Media Communications

1-3 units, 3-9 hours
Prerequisite: *Consent of Instructor*
Individual study, research or projects in the field of media communications under instructor guidance. Written reports and periodic conferences required. Content and unit credit to be determined by student/instructor conferences and/or division. May be repeated for a maximum of nine units.

Media Communications 216 A-B-C-D † Audio Multitrack Production

3 units, 2 hours lecture, 3 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in MCOM 116 or equivalent.*
This course focuses on contemporary audio studio multitrack 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 broadcast quality audio and music projects for use throughout the entertainment industry, specifically in the areas of audio for video, film scoring, and CD production. Audio majors will have the option of taking up to four semesters experience in this course to allow them to develop industry standard skills. This class is particularly appropriate for students wishing to pursue a career in recording studio engineering or sound design for video and film.
Transfers to CSU

Media Communications 217 † Television and Video Producing and Directing

3 units, 1 hour lecture, 6 hours laboratory
Recommended Preparation: *A "C" grade or higher or "Pass" in MCOM 117 or equivalent.*
Students will learn to produce and direct narrative and non-narrative television studio and field production. The course will cover various stages and practices of TV and video production, including the responsibilities of producer and director and production personnel. Students will produce short form TV programs in studio and documentary style video content in the field.
Transfers to CSU

Media Communications 220A † Digital Electronic Field Production I

3 units, 1 hour lecture, 6 hours laboratory
Recommended Preparation: *A "C" grade or higher or "Pass" in MCOM 120 or equivalent.*
A study of the designing and planning of an electronic field production, which will include writing, scheduling and executing production of a non-fiction video program in the field. Study, observation, and operation of digital cameras and digital non-linear post-production editing hardware and software will be required. Level A students will function as production staff.
Transfers to CSU

Media Communication 220B † Digital Electronic Field Production II

3 units, 1 hour lecture, 6 hours laboratory
Prerequisite: *A "C grade or higher or "Pass" in MCOM 220A or equivalent.*
Students will design and plan electronic field production(s), which will include writing, scheduling and executing production of a non-fiction video program in the field. Transportation, set-up, and operation of digital cameras and digital non-linear post-production editing hardware and software will be required. Level B students will function as team leaders on the production staff such as producer, director or editor.
Transfers to CSU

Media Communications 226 † Digital Audio Production

3 units, 2 hours lecture, 3 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in MCOM 116 or equivalent.*
This course focuses on the use of the digital audio workstations in contemporary digital audio recording studios. Additional applications in the hands-on use of computers and digital editing software, organizational skills in digital audio signal production, processing, and sound effects, as well as synchronization of digital audio tracks to visual electronic media. Students will complete several digital audio projects in the area of dialog, music and sound effects for recording, broadcast and/or visual electronic media.
Transfers to CSU

† This course meets all Title 5 standards for Associate Degree Credit.

Media Communications 230A †
Digital Film Production I
3 units, 2 lecture hours, 3 laboratory hours
Recommended Preparation: *A "C" grade or higher or "Pass" in MCOM 120 or equivalent.*
A study and application of digital film processes and technology including computer software in the production of digital film programs. The techniques of imaging, non-linear editing, special effects, dubbing and storage options will be explored. The course will also survey program distribution options including the Internet digital film domain.
Transfers to CSU

Media Communication 230B †
Digital Film Production II
3 units, 2 hours lecture, 3 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in MCOM 230A or equivalent.*
An application of digital film processes and technology including computer software in the production of digital film programs. The techniques of imaging, non-linear editing, special effects, dubbing and storage options will be explored. The course will also compare and contrast program distribution options including the Internet digital film domain and prepare programs for distribution.
Transfers to CSU

Media Communications 250 A-B-C †
Journalism Internship Seminar
.5 unit, 1 hour lecture
Prerequisite: *Successful completion of MCOM 112 or equivalent.*
Corequisite: *Concurrent enrollment in MCOM 251 or 253 or 255.*
A seminar for students currently enrolled in the internship program. Seminar discussions will include problems and examples of work situations, human relations, and job-search techniques.
Transfers to CSU

Media Communications 251 †
Journalism Internship
1 unit, 5 hours work experience per week
Prerequisite: *Successful completion of MCOM 112 or equivalent.*
Corequisite: *Concurrent enrollment in MCOM 250A.*
Special work in journalism at specified locations on or off campus. For work experience requirements, see page 30.
Transfers to CSU

Media Communications 253 †
Journalism Internship
2 units, 10 hours work experience per week
Prerequisite: *Successful completion of MCOM 112 or equivalent.*
Corequisite: *Concurrent enrollment in MCOM 250B.*
Special work in journalism at specified locations on or off campus. For work experience requirements, see page 30.
Transfers to CSU

Media Communications 255 †
Journalism Internship
3 units, 15 hours work experience per week
Prerequisite: *Successful completion of MCOM 112 or equivalent.*
Corequisite: *Concurrent enrollment in MCOM 250C.*
Special work in journalism at specified locations on or off campus. For work experience requirements, see page 30.
Transfers to CSU

Media Communications 298 ††
Selected Topics in Media Communications
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in media communications not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Arts, Languages and Communication in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class. Pass/No Pass only.
Non-associate degree applicable

Media Communications 299A †
Selected Topics in Media Communications
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in media communications not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Arts, Languages and Communication in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class.
Associate degree applicable

Media Communications 299B †
Selected Topics in Media Communications
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in media communications not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Arts, Languages and Communication in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class.
Baccalaureate level-CSU transfer

† This course meets all Title 5 standards for Associate Degree Credit.
†† This course meets all Title 5 standards for Nondegree Credit.

Multimedia (MM)

Multimedia 190 †
(Computer Science Information Systems 190)
Digital Multimedia I
4 units, 3 hours lecture, 3 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in CSIS 110 or CSIS 105 or ART 170 or equivalent.*
This interdisciplinary course is an introduction to the theory and practice of digital media as the digital integration of art, video, graphics, sound, and music for design and production in art, communications, entertainment, science, engineering and industrial applications. This course is an overview of simple 2D and 3D graphics and animation, digital still-image processing, digital sound and music generation, and the steps involved in multimedia. Instructors from the departments involved will participate in team teaching this class.
Transfers to: CSU, UC (credit limited: see page 39)

Multimedia 192 †
Digital Multimedia II
4 units, 3 hours lecture, 3 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in MM/CSIS 190 or equivalent. Completion of a Multimedia Area of Emphasis.*
An application-oriented course in digital multimedia production with emphasis on techniques integrating 2D and 3D still and animated graphics and model with digital video, sound, and music. Use and programming of multimedia local area networks will also be explored. The emphasis is on the completion of an actual commercial grade project. Instructors from the departments involved will participate in team teaching this class.
Transfers to CSU

Multimedia 196 †
Multimedia Internship
2 units, 10 hours work experience per week
Prerequisite: *A "C" grade or higher or "Pass" of MM/CSIS 190 or equivalent. Completion of a Multimedia Area of Emphasis.*
Corequisite: *Completion of or concurrent enrollment in Multimedia 192.*
Students will observe operations and work in the multimedia industry. Students will work for ten hours per week, on-site. A diary will be kept on student activities at the production site. For work experience requirements, see page 30.
Transfers to CSU

Multimedia 197 †
Multimedia Internship
3 units, 15 hours work experience per week
Prerequisite: *A "C" grade or higher or "Pass" of MM/CSIS 190 or equivalent. Completion of a Multimedia Area of Emphasis.*
Corequisite: *Completion of or concurrent enrollment in Multimedia 192.*
Students will observe operations and work in the multimedia industry. Students will work for fifteen hours per week, on-site. A diary will be kept on student activities at the production site. For work experience requirements, see page 30.
Transfers to CSU

Multimedia 199
Special Studies or Projects in Multimedia
1-3 units, 3-9 hours
Prerequisite: *Consent of Instructor*
Individual study, research or projects in the field of multimedia under instructor guidance. Written reports and periodic conferences required. Content and unit credit to be determined by student/instructor conferences and/or division. May be repeated for a maximum of nine units.

Multimedia 298 ††
Selected Topics in Multimedia
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in media communications not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Career and Technical Education/Workforce Development and the Division of Arts, Languages and Communication in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class. Pass/No Pass only.
Non-associate degree applicable

Multimedia 299A †
Selected Topics in Multimedia
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in media communications not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Career and Technical Education/Workforce Development and the Division of Arts, Languages and Communication in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class.
Associate degree applicable

Multimedia 299B †
Selected Topics in Multimedia
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in media communications not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Career and Technical Education/Workforce Development and the Division of Arts, Languages and Communication in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class.
Baccalaureate level-CSU transfer

Music (mus)

Music 001 †
Music Fundamentals
4 units, 4 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.
Transfers to: CSU, UC

Music 002 †
Ear Training I
3 units, 3 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.
Transfers to: CSU, UC

Music 003 †
Ear Training II
3 units, 3 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in Music 002 or equivalent.*
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.
Transfers to: CSU, UC

Music 004 †
Ear Training III
3 units, 3 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in Music 003 or equivalent.*
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.
Transfers to: CSU, UC

Music 005 †
Ear Training IV
3 units, 3 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in Music 004 or equivalent.*
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.
Transfers to: CSU, UC

Music 038
Chorale for Adult Learner
0 units, 2.5 hours lecture, 2.5 hours laboratory
Prerequisite: *Audition and Music 239 or equivalent.*
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.

Music 050
Orchestra for Adult Learner
0 units, 2.5 hours lecture, 2.5 hours laboratory
Prerequisite: *Audition and Music 251 or equivalent.*
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.

† This course meets all Title 5 standards for Associate Degree Credit.
†† This course meets all Title 5 standards for Nondegree Credit.

Music 090-091 ††
Preparatory Performance Studies
1 unit, 1 hour lecture
A course designed to prepare the student for entrance exams in Music 190, Performance Studies. This course will enhance the musical progress of students who are currently receiving the equivalent of fifteen (15) one-half hour lessons per semester of individual vocal or instrumental instruction. This course is offered on a Pass/No Pass basis only. (Nondegree credit course)

Music 101 †
Jazz Improvisation I
3 units, 3 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in MUS 001 or 128 or 132 or equivalent.*
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.
Transfers to: CSU, UC

Music 102 †
Jazz Improvisation II
3 units, 3 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in Music 101 or equivalent*
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.
Transfers to: CSU, UC

Music 105 †
Music Theory and Practice I
4 units, 4 hours lecture, 2 hours laboratory
Recommended Preparation: *Music 001 or equivalent. Concurrent enrollment in Music 132.*
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.
Transfers to: CSU, UC (credit limited: see page 39)

Music 106 †
Music Theory and Practice II
4 units, 4 hours lecture, 2 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in Music 105 or equivalent.*
Recommended Preparation: *Concurrent enrollment in Music 133.*
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.
Transfers to: CSU, UC (credit limited: see page 39)

Music 110 †
Great Music Listening
3 units, 3 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.
Satisfies General Education for: Grossmont College C3; CSU C1; IGETC 3A
Transfers to: CSU, UC

Music 111 †
The History of Jazz
3 units, 3 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.
Satisfies General Education for: Grossmont College C3; CSU C1; IGETC 3A
Transfers to: CSU, UC

Music 115 †
The History of Rock Music
3 units, 3 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.
Satisfies General Education for: Grossmont College C3; CSU C1; IGETC 3A
Transfers to: CSU, UC

Music 116 †
Introduction to World Music
3 units, 3 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.
Satisfies General Education for: Grossmont College C3; CSU C1; IGETC 3A
Transfers to: CSU, UC

Music 117 †
Introduction to Music History and Literature
3 units, 3 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in Music 001 or equivalent.*
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.
Satisfies General Education for: Grossmont College C3; CSU C1; IGETC 3A
Transfers to: CSU, UC

Music 118 †
Introduction to Music
4 units, 4 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.
Transfers to: CSU, UC

Music 124 †
Classical Guitar I
2 units, 2 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.
Transfers to: CSU, UC

Music 125 †
Classical Guitar II
2 units, 2 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in Music 124 or equivalent..*
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.
Transfers to: CSU, UC

† This course meets all Title 5 standards for Associate Degree Credit.



Music 126 †
Class Guitar I
2 units, 2 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.
Transfers to: CSU, UC

Music 127 †
Class Guitar II
2 units, 2 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in Music 126 or equivalent.*
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.
Transfers to: CSU, UC

Music 128 †
Music Theory for Guitar I
3 units, 3 hours lecture, 1 hour 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.
Transfers to: CSU, UC (credit limited: see page 39)

Music 129 †
Music Theory for Guitar II
3 units, 3 hours lecture, 1 hour laboratory
Prerequisite: *A "C" grade or higher or "Pass" in Music 128 or equivalent.*
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 turnings, etc.). There will also be advanced composition projects and improvisation sessions.
Transfers to: CSU, UC (credit limited: see page 39)

Music 130 †
Beginning Bass Guitar
2 units, 2 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.
Transfers to: CSU, UC

Music 132 †
Class Piano I
3 units, 3 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.
Transfers to: CSU, UC

Music 133 †
Class Piano II
3 units, 3 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in Music 132 or equivalent.*
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.
Transfers to: CSU, UC

Music 134 †
Jazz and Pop Piano I
2 units, 2 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.
Transfers to: CSU, UC

Music 135 †
Jazz and Pop Piano II
2 units, 2 hours lecture
Recommended Preparation: *A "C" grade or higher or "Pass" in Music 134 or equivalent.*
A continuation of Music 134. A second semester class for students learning to play basic piano music with emphasis on jazz and popular idioms.
Transfers to: CSU, UC

Music 136-137-236-237 †
Chamber Singers
1 unit, 2.5 hours lecture, 2.5 hours laboratory
Prerequisite: *Audition.*
The study of standard and contemporary choral literature (classics to jazz) for small choral ensemble. Performances on campus and in local schools and communities. Enrollment open to all singers in the community and to students in college.
Transfers to: CSU, UC

Music 138-139-238-239 †
Grossmont Master Chorale
1 unit, 2.5 hours lecture, 2.5 hours laboratory
Prerequisite: *Audition.*
Choir for singers in the community and students of the college. Two concerts per semester. One will be a larger work which may be performed with the Grossmont Symphony Orchestra. Singers should demonstrate a pleasing voice and an ability to read music.
Transfers to: CSU, UC

† This course meets all Title 5 standards for Associate Degree Credit.

Music 148-149-248-249 †
Classical Guitar Ensemble
1 unit, 2.5 hours lecture, 2.5 hours laboratory
Prerequisite: *Audition.*
The study of representative classical guitar compositions in a wide variety of styles at regular rehearsals and public performances.
Transfers to: CSU, UC

Music 150-151-250-251 †
Grossmont Symphony Orchestra
1 unit, 2.5 hours lecture, 2.5 hours laboratory
Prerequisite: *Audition.*
The study of representative orchestral compositions in a wide variety of styles at regular rehearsals and public performances.
Transfers to: CSU, UC

Music 152-153-252-253 †
Concert Band
1 unit, 2.5 hours lecture, 2.5 hours laboratory
Prerequisite: *Audition.*
The study of representative concert band compositions in a wide variety of styles at regular rehearsals and public performances.
Transfers to: CSU, UC

Music 154-155-254-255 †
Afro-Cuban Ensemble
1 unit, 2.5 hours lecture, 2.5 hours laboratory
Prerequisite: *Audition.*
This course serves as an introduction to Afro-Cuban performance techniques. Emphasis will be placed on all aspects of the Afro-Cuban ensemble including clave, rhythm, phrasing, montuno, and tumbao. Representative styles including the Mambo, Cha-Cha, Mozambique, Danzon, Salsa, and Latin Jazz will be covered at regular rehearsals and public performances.
Transfers to: CSU, UC

Music 156-157-256-257 †
Jazz Ensemble
1 unit, 2.5 hours lecture, 2.5 hours laboratory
Prerequisite: *Audition.*
The study of representative jazz ensemble compositions in a wide variety of styles at regular rehearsals and public performances.
Transfers to: CSU, UC

Music 160 †
Introduction to Afro-Cuban Percussion
3 units, 3 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.
Transfers to: CSU

Music 164-165-264-265 †
Musical Theatre Orchestra
1 unit, 2.5 hours lecture, 2.5 hours laboratory
Prerequisite: *Audition.*
A course emphasizing the performance of a variety of orchestral music ranging from Broadway musicals, semi-classical, classical, contemporary music and orchestral jazz standards.
Transfers to: CSU, UC

Music 166-167-266-267 †
Jazz Vocal Ensemble
1 unit, 5 hours lecture/laboratory
Prerequisite: *Audition.*
The study of representative compositions for jazz vocal ensemble in a wide variety of styles at regular rehearsals and public performances.
Transfers to: CSU, UC

Music 168 †
Jazz Combo Performance I
3 units, 3 hours lecture
Prerequisite: *Ability to play a musical instrument. Audition.*
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.
Transfers to: CSU, UC

Music 169 †
Jazz Combo Performance II
3 units, 3 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in Music 168 or equivalent.*
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.
Transfers to: CSU, UC

Music 170-171-270-271 †
Class Voice
2 units, 2 hours lecture
Recommended Preparation: *A "C" grade or higher or "Pass" in Music 001 or ability to read music.*
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.
Transfers to: CSU, UC

Music 172-173-272-273 †
Musical Theatre Chorale
1 unit, 2.5 hours lecture, 2.5 hours laboratory
Prerequisite: *Audition.*
A course emphasizing the performance of a variety of choral music ranging from Broadway musicals, semi-classical, classical, contemporary music and choral jazz standards.
Transfers to: CSU, UC

Music 174-175-274-275 †
Gospel Choir
1 unit, 2.5 hours lecture, 2.5 hours laboratory
Prerequisite: *Audition.*
Choir for singers in the community and students of the college. Repertoire includes music from the African, African-American, and gospel traditions. Two concerts per semester, either separately or in combination with other music ensembles within/outside of Grossmont College. Singers should demonstrate a pleasing voice and basic ability to read music.
Transfers to: CSU, UC

Music 180 †
Modern Drumset Technique I
3 units, 3 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.
Transfers to: CSU, UC

† This course meets all Title 5 standards for Associate Degree Credit.

Music 181 †
Modern Drumset Technique II
3 units, 3 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in Music 180 or equivalent.*
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.
Transfers to: CSU, UC

Music 183 †
Basic Synthesizer Programming
2 units, 2 hours lecture, 1 hour 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.
Transfers to CSU

Music 187 †
Midi Sequencing and Recording
2 units, 2 hours lecture, 1 hour laboratory
Production of multi-track recordings through the use of MIDI synthesizers, sequencers and related equipment.
Transfers to CSU

Music 189 †
(Art 189, Media Communication 189, Theatre Arts 189)
Multimedia and the Creative Arts
3 units, 3 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 video-graphers. 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.
Satisfies General Education for Grossmont College C3
Transfers to: CSU, UC (credit limited: see page 39)

Music 190-191-290-291 †
Performance Studies
1 unit, 1 hour lecture
Prerequisite: *Audition.*
Primarily for music majors. A course designed to enhance the musical progress of students who are currently receiving the equivalent of fifteen (15) 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.
Transfers to: CSU, UC

Music 199
Special Studies or Projects in Music
1-3 units, 3-9 hours
Prerequisite: *Consent of instructor.*
Individual study, research or projects in the field of music under instructor guidance. Written reports and periodic conferences required. Content and unit credit to be determined by student/instructor conferences and/or division. May be repeated for a maximum of nine units.

Music 201 †
Jazz Improvisation III
3 units, 3 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in Music 102 or equivalent.*
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.
Transfers to: CSU, UC

Music 202 †
Jazz Improvisation IV
3 units, 3 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in Music 201 or equivalent.*
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.
Transfers to: CSU, UC

Music 203 †
Jazz Piano III
3 units, 3 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in Music 133 or equivalent.*
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.
Transfers to: CSU, UC

Music 204 †
Jazz Piano IV
3 units, 3 lecture hours
Prerequisite: *A "C" grade or higher or "Pass" in Music 203 or equivalent.*
Continuation of Music 203. Keyboard harmony and chord progression cycles. Reading fake books. Ensemble playing and accompaniment. Piano literature from jazz history. Designed for the jazz studies in the music degree.
Transfers to: CSU, UC

Music 205 †
Music Theory and Practice III
4 units, 4 hours lecture, 2 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in Music 106 or equivalent.*
Recommended Preparation: *Concurrent enrollment in Music 232.*
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.
Transfers to: CSU, UC

† This course meets all Title 5 standards for Associate Degree Credit.

Music 206 †
Music Theory and Practice IV
4 units, 4 hours lecture, 2 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in Music 205 or equivalent.*
Recommended Preparation: *Concurrent enrollment in Music 233.*
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.
Transfers to: CSU, UC

Music 210 †
Elements of Jazz I
4 units, 4 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in Music 106 or equivalent.*
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.
Transfers to: CSU, UC

Music 211 †
Elements of Jazz II
4 units, 4 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in Music 210 or equivalent.*
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.
Transfers to: CSU, UC

Music 212 †
Piano III
2 units, 2 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in Music 113 or equivalent.*
Piano for non-music majors. Continuation of Music 113. Harmonization of melodies using primary and secondary triads. Playing solo piano pieces.
Transfers to: CSU, UC

Music 213 †
Piano IV
2 units, 2 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in Music 212 or equivalent.*
Piano for non-music majors. Continuation of Music 212. Harmonization with different forms of accompaniment. Solo piano pieces and duet playing.
Transfers to: CSU, UC

Music 224 †
Classical Guitar III
2 units, 2 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in Music 125 or equivalent.*
Continuation of Classical Guitar II. Advanced right and left-hand studies. Playing in upper positions. Sight reading and performance of advanced guitar solos.
Transfers to: CSU, UC

Music 226 †
Class Guitar III
2 units, 2 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in Music 127 or equivalent.*
Continuation of Music 127. Introduction of chord and scale alterations. Theory of how chords and scales are used in contemporary music.
Transfers to: CSU, UC

Music 232 †
Class Piano III
3 units, 3 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in Music 133 or equivalent.*
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.
Transfers to: CSU, UC

Music 233 †
Class Piano IV
3 units, 3 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in Music 232 or equivalent.*
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.
Transfers to: CSU, UC

Music 236-237 †
See Music 136-137-236-237

Music 238-239 †
See Music 138-139-238-239

Music 240-241 †
See Music 140-141-240-241

Music 242-243 †
See Music 142-143-242-243

Music 244-245 †
See Music 144-145-244-245

Music 246-247 †
See Music 146-147-246-247

Music 248-249 †
See Music 148-149-248-249

Music 250-251 †
See Music 150-151-250-251

Music 252-253 †
See Music 152-153-252-253

Music 254-255 †
See Music 154-155-254-255

Music 256-257 †
See Music 156-157-256-257

Music 262-263 †
See Music 162-163-262-263

Music 264-265 †
See Music 164-165-264-265

Music 266-267 †
See Music 166-167-266-267

Music 268 †
Jazz Combo III
3 units, 3 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in Music 169 or equivalent.*
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.
Transfers to: CSU, UC

Music 269 †
Jazz Combo Performance IV
3 units, 3 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in Music 268 or equivalent.*
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.
Transfers to: CSU, UC

† This course meets all Title 5 standards for Associate Degree Credit.

Music 270-271 †
See Music 170-171-270-271

Music 272-273 †
See Music 172-173-272-273

Music 274-275 †
See Music 174-175-274-275

Music 285 †
Advanced Classical Guitar Ensemble
1 unit, 5 hours lecture/laboratory
Recommended Preparation: *Music 249 or equivalent.*
The study of advanced classical guitar compositions in a wide variety of styles including avant garde and jazz at regular rehearsals and public performances. A semester project will include a forty-five minute digital audio recording.
Transfers to: CSU, UC

Music 286 †
Advanced Orchestra
1 unit, 5 hours lecture/laboratory
Recommended Preparation: *Music 251. Ability to play an orchestral instrument.*
The study of representative orchestral compositions of a more difficult nature in a wide variety of styles at regular rehearsals and public performances. Membership by audition.
Transfers to: CSU, UC

Music 287 †
Advanced Chorale
1 unit, 5 hours lecture/laboratory
Recommended Preparation: *Music 239. Ability to sing difficult literature in a choral ensemble.*
The study of representative choral compositions of a more difficult nature in a wide variety of styles at regular rehearsals and public performances. Membership by audition.
Transfers to: CSU, UC

Music 290-291 †
See Music 190-191-290-291

Music 298 ††
Selected Topics in Music
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in music not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Arts, Languages and Communication in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class. Pass/No Pass only.
Non-associate degree applicable

Music 299A †
Selected Topics in Music
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in music not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Arts, Languages and Communication in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class.
Associate degree applicable

Music 299B †
Selected Topics in Music
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in music not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Arts, Languages and Communication in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class.
Baccalaureate level-CSU transfer

Nursing (NURS)

Nursing 118 †
Nursing Pharmacology I
1 unit, 1 hour lecture
Corequisite: *Nursing 120 or Nursing 130 or equivalent.*
This course is designed for nursing students. Students will be introduced to basic pharmacological concepts. Pharmacotherapeutics, pharmacodynamics, pharmacokinetics, contraindications and precautions, adverse effects and drug interactions of common prototype drugs and major drug classifications will be presented. Through the utilization of 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 hybrid course requiring web-based and classroom activities. This is a required course for the Nursing Program.
Transfers to CSU

Nursing 119 †
Nursing Pharmacology II
1 unit, 1 hour lecture
Prerequisite: *A "C" grade or higher in Nursing 118 or equivalent.*
Corequisite: *Nursing 120 or Nursing 130 or equivalent*
This course is a continuation of Nursing 118. Students will learn advanced concepts pertaining to the pharmacotherapeutics, pharmacodynamics, pharmacokinetics, contraindications and precautions, adverse effects and drug interactions of common prototype drugs and major drug classifications. Utilizing 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 hybrid course requiring web-based and classroom activities. This is a required course for the Nursing Program.
Transfers to CSU

Nursing 120 †
Introduction to Nursing: Theory and Practice
8 units, 3.5 hours lecture, 13.5 hours laboratory
Prerequisite: *Admission to the Registered Nursing Programs.*
Corequisite: *Nursing 118 and Nursing 119 or equivalent.*
Nursing 120 is the introductory nursing course. The focus is on the development of technical 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. Nursing care planning is introduced. Course content includes the normal aging process, communication skills, basic physical assessment and the nursing process. Scientific principles are used to support the nursing diagnosis. Concurrent clinical experience is in acute settings. This is a required course for the Nursing Program.
Transfers to CSU

† This course meets all Title 5 standards for Associate Degree Credit.
†† This course meets all Title 5 standards for Nondegree Credit.

Nursing 130 †
Perioperative Nursing
5 units, 3 hours lecture, 6 hours laboratory
Prerequisite: *Admission to the Registered Nursing Programs.*
Corequisite: *Nursing 118 and Nursing 119 or equivalent.*
This course focuses on the biological, psychological, social, cultural and spiritual changes patients and their families experience before, during and after surgery. This course builds on previous coursework, utilizing the nursing process, therapeutic communication and critical thinking in meeting the surgical health care needs of adult individuals and families across the healthcare continuum. Emphasis is placed on genitourinary, orthopedic and gastrointestinal disorders requiring surgery. Concepts of evidence-based practice will be integrated throughout the course. Concurrent clinical experience 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.
Transfers to CSU

Nursing 132 †
Maternal/Newborn and Child Health Nursing
5 units, 3 hours lecture, 6 hours laboratory
Prerequisite: *A "C" grade or higher in Nursing 120 or equivalent.*
Building on knowledge and skill of Nursing 120, the student learns about the physiologic and psychosocial changes women and their families experience during pregnancy, birth and post-partum; the impact of the child-bearing cycle on the person, health and their environment. Child nursing addresses the nursing management of children with alterations 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 that they impact the hospitalized pediatric patient. 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.
Transfers to CSU



Nursing 155 †
Clinical Reasoning Skills for First Semester Nursing Students
1.5 units, 4 .5 hours laboratory
Corequisite: *Nursing 120 or equivalent.*
This course is designed so that first semester nursing students may practice fundamental clinical nursing techniques, clinical reasoning skills under the direct supervision of a nurse faculty member. Experience 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.
Transfers to CSU

Nursing 156 †
Clinical Reasoning Skills for Second Semester Nursing Students
1.5 units, 4.5 hours laboratory
Corequisite: *Nursing 130 or 132 or equivalent.*
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.
Transfers to CSU

Nursing 199
Special Studies or Projects in Nursing
1-3 units, 3-9 hours
Prerequisite: *Consent of instructor.*
Individual study, research or projects in the field of nursing under instructor guidance. Written reports and periodic conferences required. Content and unit credit to be determined by student/instructor conferences and/or division. May be repeated for a maximum of nine units. This is an elective course in the Nursing Program.

Nursing 220 †
Nursing Management in Nutritional-Metabolic Disorders
5 units, 3 hours lecture, 6 hours laboratory
Prerequisite: *A "C" grade or higher in Nursing 130 and 132 or equivalent.*
This course addresses acute and chronic health problems that are more complex than those studied previously. Nursing theory focuses on the nursing management of geriatric patients with alterations in the nutritional-metabolic disorders. The nurse focuses on the unique characteristics of environmental impacts on the state of health and illness. Concurrent clinical experience is in acute settings. This is a required course for the Nursing Program.
Transfers to CSU

† This course meets all Title 5 standards for Associate Degree Credit.

Nursing 222 †
Neurologic and Psychiatric Nursing
5 units, 3 hours lecture, 6 hours laboratory
Prerequisite: *A "C" grade or higher in Nursing 130 and 132 or equivalent.*
This course focuses on the nursing management of patients who have neurological illnesses and psychosocial and behavioral disorders. The focus is on nursing considerations regarding environmental factors such as physical, psychological, social, spiritual and cultural elements and the way they impact the hospitalized patient. Concurrent clinical experiences are in acute and outpatient settings, and day treatment centers. This is a required course for the Nursing Program.
Transfers to CSU

Nursing 230 †
Nursing Management in Cardio-Pulmonary and Circulatory Disorders
6 units, 2.5 hours lecture, 10.5 hours laboratory
Prerequisite: *A "C" grade or higher in Nursing 220 and 222 or equivalent.*
This course focuses on the nursing management of patients with acute cardiopulmonary and circulatory health problems, which are more complex than those studied previously. Nursing theory addresses the person and their state of health as it pertains to compromises in oxygenation. There is a strong emphasis on the application of critical thinking with an emphasis on clinical decision making. The course also offers a campus laboratory component designed to teach the student technical skills necessary to manage cardiopulmonary patients. Suctioning, tracheostomy care, and other complex skills are presented. Concurrent clinical experience is in acute care, critical care and ambulatory care setting. This is a required course for the Nursing Program.
Transfers to CSU

Nursing 235 †
Preceptored Patient Care Management
3 units, 1 hour lecture, 6 hours laboratory
Prerequisite: *A "C" grade or higher in Nursing 132, 222, 230 or equivalent. Students who are assigned preceptorships in a critical care area (ICU) must possess current ACLS certification.*
This advanced course addresses nursing management theory, professional, legal and ethical aspects of nursing and current issues in nursing and health care delivery. Concurrent clinical experience is with a registered nurse preceptor in selected health care facilities. The clinical focus is on assuming the registered nurse role. This is a required course for the Nursing Program.
Transfers to CSU

Nursing 251 A-B-C †
Work-Study Externship
1 unit, 60 hours work experience (unpaid) or 75 hours work experience (paid).
Prerequisite: *A "C" grade or higher in Nursing 120, 130 and 132 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. It is an elective course in the Nursing Program. For work experience requirements, see page 30.
Transfers to CSU

Nursing 252 A-B-C †
Work-Study Externship
2 units, 120 hours work experience (unpaid) or 150 hours work experience (paid).
Prerequisite: *A "C" grade or higher in Nursing 120, 130 and 132 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. It is an elective course in the Nursing Program. For work experience requirements, see page 30.
Transfers to CSU

Nursing 253 A-B-C †
Work-Study Externship
3 units, 180 hours work experience (unpaid) or 225 hours work experience (paid).
Prerequisite: *A "C" grade or higher in Nursing 120, 130 and 132 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. It is an elective course in the Nursing Program. For work experience requirements, see page 30.
Transfers to CSU

Nursing 255 †
Clinical Reasoning Skills for Third Semester Nursing Students
1.5 units, 4.5 hours laboratory
Corequisite: *Nursing 220 or Nursing 222 or equivalent.*
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.
Transfers to CSU

† This course meets all Title 5 standards for Associate Degree Credit.

Nursing 256 †
Clinical Reasoning Skills for Fourth Semester Nursing Students
1.5 units, 4.5 hours laboratory
Corequisite: *Nursing 230 or equivalent.*
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.
Transfers to CSU

Nursing 298 ††
Selected Topics in Nursing
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in nursing not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Career and Technical Education/Workforce Development in relation to community/student need(s) and/or available staff. May be offered as a seminar, lecture, or laboratory class. This is an elective course in the Nursing Program. Pass/No Pass only.
Non-associate degree applicable

Nursing 299A †
Selected Topics in Nursing
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in nursing not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Career and Technical Education/Workforce Development in relation to community/student need(s) and/or available staff. May be offered as a seminar, lecture, or laboratory class. This is an elective course in the Nursing Program.
Associate degree applicable

Nursing 299B †
Selected Topics in Nursing
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in nursing not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Career and Technical Education/Workforce Development in relation to community/student need(s) and/or available staff. May be offered as a seminar, lecture, or laboratory class. This is an elective course in the Nursing Program.
Baccalaureate level-CSU transfer

Occupational Therapy Assistant (OTA)

Occupational Therapy Assistant 100 †
Fundamentals of Occupational Therapy
2 units, 2 hours lecture
Prerequisite: *A "C" grade or higher in OTA 102.*
Corequisite: *OTA 101*
The philosophical base, definition and history of occupational therapy is 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.
Transfers to CSU

Occupational Therapy Assistant 101 †
Fundamentals of Activity/ Therapeutic Media
3 units, 2 hours lecture, 3 hours laboratory
Corequisite: *OTA 100 and 110.*
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.
Transfers to CSU

Occupational Therapy Assistant 102 †
Rehabilitation Terminology, Diseases and Diagnoses
2 units, 2 hours lecture
Prerequisite: *Admission to Occupational Therapy Assistant Program. A "C" grade or higher in Biology 140 and 141 or Biology 144 and 145 or equivalent.*
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.
Transfers to CSU

Occupational Therapy Assistant 110 †
Occupational Skills-Psychosocial
4 units, 4 hours lecture
Corequisite: *OTA 100 and 101 and 111*
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.
Transfers to CSU

Occupational Therapy Assistant 111 †
Clinical Practicum I
1 unit, 3 laboratory hours
Corequisite: *OTA 110*
Clinical Practicum I is designed to acquaint the student with the day to day activities in the clinical setting when caring for individuals with psychosocial issues that interfere with occupations and roles. This experience enables students to apply academic knowledge to practice and develop an understanding of the needs of clients, setting and staff.
Transfers to CSU

† This course meets all Title 5 standards for Associate Degree Credit.
†† This course meets all Title 5 standards for Nondegree Credit.

Occupational Therapy Assistant 120 †
Documentation in Occupational Therapy

3 units, 3 hours lecture
Prerequisite: *A "C" grade or higher in OTA 100 and 101 and 110.*
Corequisite: *OTA 130 and 140.*
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).
Transfers to CSU

Occupational Therapy Assistant 130 †
Dynamics of Human Movement

4 units, 3 hours lecture, 3 hours laboratory
Prerequisite: *A "C" grade or higher in OTA 100 and 101 and 110.*
Corequisite: *OTA 120 and 140.*
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.
Transfers to CSU

Occupational Therapy Assistant 140 †
Occupational Skills Development in Pediatric Roles

2 units, 1 hour lecture, 3 hours laboratory
Prerequisite: *A "C" grade or higher in OTA 100 and 101 and 110.*
Corequisite: *OTA 120 and 130 and 141.*
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.
Transfers to CSU

Occupational Therapy Assistant 141 †
Clinical Practicum II

1 unit, 3 hours laboratory
Corequisite: *OTA 140*
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.
Transfers to CSU

Occupational Therapy Assistant 199
Special Studies or Projects in Occupational Therapy Assistant

1-3 units, 3-9 hours
Prerequisite: *Consent of instructor.*
Individual study, research or projects in the field of occupational therapy assistant under instructor guidance. Written reports and periodic conferences required. Content and unit credit to be determined by student/instructor conferences and/or division. May be repeated for a maximum of three units.

Occupational Therapy Assistant 200 †
Occupational Skills in Physical Rehabilitation

2 units, 2 hours lecture
Prerequisite: *A "C" grade or higher in OTA 120 and 130 and 140.*
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 practices. The discharge process and collaboration with other professionals and community agencies is included as part of the treatment continuum.
Transfers to CSU

Occupational Therapy Assistant 210 †
Assistive Technology in Occupational Therapy

3 units, 2 hours lecture, 3 hours laboratory
Prerequisite: *A "C" grade or higher in OTA 200.*
Corequisite: *OTA 220 and 230.*
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.
Transfers to CSU

Occupational Therapy Assistant 220 †
Advanced Occupational Therapy Skills for Physical Dysfunction

3 units, l hour lecture, 6 hours laboratory
Prerequisite: *A "C" grade or higher in OTA 200.*
Corequisite: *OTA 210 and 221 and 230.*
This course focuses on treatment techniques and adaptations to assist individuals with physical dysfunction in various setting 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.
Transfers to CSU

† This course meets all Title 5 standards for Associate Degree Credit.

Occupational Therapy Assistant 221 †
Clinical Practicum III
1 unit, 3 hours laboratory
Corequisite: *OTA 220*
A laboratory course providing a continuation of clinical practicum with a focus on treatment planning, safety precautions, contraindications and documentation in OTA Program affiliated adult and geriatric rehabilitation settings.
Transfers to CSU

Occupational Therapy Assistant 230 †
Occupational Therapy Management
2 units, 2 hour lecture
Prerequisite: *A "C" grade or higher in OTA 200.*
Corequisite: *OTA 210 and 220.*
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.
Transfers to CSU

Occupational Therapy Assistant 235 †
OTA Review
3 units, 3 hours lecture
Corequisite: OTA 240 or equivalent.
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 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.
Transfers to CSU

Occupational Therapy Assistant 240 †
Clinical Practicum IV
6 units, 18 hours laboratory
Prerequisite: *A "C" grade or higher in OTA 140 and 230.*
Corequisite: *OTA 235*
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 241, Clinical Practicum V course. This course is offered on a Pass/No Pass basis only. For work experience requirements, see page 30.
Transfers to CSU

Occupational Therapy Assistant 241 †
Clinical Practicum V
6 units, 18 hours laboratory
Prerequisite: *A "Pass" grade in OTA 230.*
This experience is the second ten-week 40 hours per week assignment of clinical fieldwork under the direct supervision of a registered occupational therapist or a certified occupational therapist assistant. This experience will take place in a different practice setting than the first ten week rotation. 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. For work experience requirements, see page 30.
Transfers to CSU

Occupational Therapy Assistant 250 †
Introduction to Hand Therapy
2 units, 2 hours lecture
This course is an introduction to the diagnoses that lead to a client needing hand therapy intervention. Included are symptoms, preventative techniques and treatments that are seen with a variety of repetitive hand injuries. The detailed anatomy of the hand and upper extremity will be examined. Requirements to receive advanced practice certification in hand therapy in the State of California will be discussed. This course of offered on a Pass/No Pass basis only.
Transfers to CSU

Occupational Therapy Assistant 298 ††
Selected Topics in Occupational Therapy Assistant
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in Occupational Therapy Assistant not covered by regular catalog offerings. Course content and unit credit to be determined by Career and Technical Education/Workforce Development in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class. Pass/No Pass only.
Non-associate degree applicable

Occupational Therapy Assistant 299A †
Selected Topics in Occupational Therapy Assistant
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in Occupational Therapy Assistant not covered by regular catalog offerings. Course content and unit credit to be determined by the Career and Technical Education/Workforce Development in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class.
Associate degree applicable

Occupational Therapy Assistant 299B †
Selected Topics in Occupational Therapy Assistant
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in Occupational Therapy Assistant not covered by regular catalog offerings. Course content and unit credit to be determined by the Career and Technical Education/Workforce Development in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class.
Baccalaureate level-CSU transfer

† This course meets all Title 5 standards for Associate Degree Credit.
†† This course meets all Title 5 standards for Nondegree Credit.

Oceanography (OCEA)

Oceanography 112 †
Introduction to Oceanography
3 units, 3 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.
Satisfies General Education for: Grossmont College B2; CSU B1; IGETC 5A
Transfers to: CSU, UC

Oceanography 113 †
Oceanography Laboratory
1 unit, 3 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in OCEA 112 or equivalent or concurrent enrollment.*

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 and analysis of data, visits to oceanographic facilities (such as research institutions and aquariums), and half-day ocean research voyages.
Satisfies General Education for: Grossmont College B2; CSU B3; IGETC 5C
Transfers to: CSU, UC

Oceanography 150 †
(Biology150, Geography 150, Geology 150)
Field Study of the Natural History of the Greater San Diego Region
3 units, 2 hours lecture, 3 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in Biology 110 or 120; or Geography 120 or 121 or 140; or Geology 110 or 111; or Oceanography 112 or equivalent.*

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 Oceanography150 will not be able to enroll in Biology 150, Geography 150 or Geology 150.
Transfers to: CSU, UC (credit limited: see page 39)

Oceanography 199
Special Studies or Projects in Oceanography
1-3 units, 3-9 hours
Prerequisite: *Consent of instructor.*

Individual study, research or projects in the field of oceanography under instructor guidance. Written reports and periodic conferences required. Content and unit credit to be determined by student/instructor conferences and/or division. May be repeated for a maximum of three units.

Oceanography 298 ††
Selected Topics in Oceanography
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*

Selected topics in oceanography not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Mathematics, Natural Sciences, Exercise Science and Wellness in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class. Pass/No Pass only.
Non-associate degree applicable

Oceanography 299A †
Selected Topics in Oceanography
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*

Selected topics in oceanography not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Mathematics, Natural Sciences, Exercise Science and Wellness in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class.
Associate degree applicable

Oceanography 299B †
Selected Topics in Oceanography
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*

Selected topics in oceanography not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Mathematics, Natural Sciences, Exercise Science and Wellness in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class.
Baccalaureate level-CSU transfer

Orthopedic Technology (OT)

Orthopedic Technology 110 †
Orthopedic Anatomy and Physiology
5 units, 5 hours lecture
Prerequisite: *A "C" grade or higher in Biology 140 or 144 or equivalent.*
Corequisite: *Orthopedic Technology 111.*

A study of the development of the muscular-skeletal systems with the emphasis divided between gross anatomy, the cellular detail (Histology) of tissues, arterial and venous perfusion, as well as relevant nervous innervation of these systems as they relate to the treatment of orthopedic injuries.
Transfers to CSU

Orthopedic Technology 111 †
Orthopedic Techniques I
4 units, 2 hours lecture, 7 laboratory hours
Prerequisite: *A "C" grade or higher in Biology 140 or 144 or equivalent.*
Corequisite: *Orthopedic Technology 110.*

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 laboratory setting and clinical setting.
Transfers to CSU

Orthopedic Technology 199
Special Studies or Projects in Orthopedic Technology
1-3 units, 3-9 hours
Prerequisite: *Consent of instructor.*

Individual study, research or projects in the field of orthopedic technology under instructor guidance. Written reports and periodic conferences required. Content and unit credit to be determined by student/instructor conferences and/or division. May be repeated for a maximum of nine units.

† This course meets all Title 5 standards for Associate Degree Credit.
†† This course meets all Title 5 standards for Nondegree Credit.

Orthopedic Technology 210 † Advanced Orthopedic Anatomy and Physiology

5 units, 5 hours lecture
Prerequisite: *A "C" grade or higher in Orthopedic Technology 110 and 111 or equivalent.*
Corequisite: *Orthopedic Technology 211 and 212.*
This course provides advanced instruction in a systems approach to the evaluation and treatment of specified orthopedic injuries and disease. Topics include the development, function and interrelationships of the muscular and skeletal systems with emphasis on gross anatomy, cellular structure, vascular perfusion, neural innervation, and congenital and acquired orthopedic pathophysiology.
Transfers to CSU

Orthopedic Technology 211 † Orthopedic Techniques II

4 units, 2 hours lecture, 6 hours laboratory
Prerequisite: *A "C" grade or higher in Orthopedic Technology 110 and 111.*
Corequisite: *Orthopedic Technology 210 and 212.*
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 special casts, pediatric casts, full-body casts and various traction configurations and techniques.
Transfers to CSU

Orthopedic Technology 212 † Supervised Hospital Clinical Practicum I

2 units, 8 hours laboratory
Prerequisite: *A "C" grade or higher in Orthopedic Technology 110 and 111.*
Corequisite: *Orthopedic Technology 210 and 211.*
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.
Transfers to CSU

Orthopedic Technology 214 † Supervised Hospital Clinical Practicum II

4 units, 12 hours laboratory
Prerequisite: *A "C" grade or higher in Orthopedic Technology 210 and 211 and 212.*
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.
Transfers to CSU

Orthopedic Technology 298 †† Selected Topics in Orthopedic Technology

1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in orthopedic technology not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Career and Technical Education/Workforce Development in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class. Pass/No Pass only.
Non-associate degree applicable

Orthopedic Technology 299A † Selected Topics in Orthopedic Technology

1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in orthopedic technology not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Career and Technical Education/Workforce Development in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class.
Associate degree applicable

Orthopedic Technology 299B † Selected Topics in Orthopedic Technology

1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in orthopedic technology not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Career and Technical Education/Workforce Development in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class.
Baccalaureate level-CSU transfer

† This course meets all Title 5 standards for Associate Degree Credit.
†† This course meets all Title 5 standards for Nondegree Credit.

Personal Development–Special Services (PDSS)

The Personal Development–Special Services courses have been designed to meet the needs of students participating in the Disabled Students Program. For other course offerings related to the Disabled Students Program, see Exercise Science and Speech Development.

Personal Development–Special Services 080 †† Educational Assessment and Prescriptive Planning

.5 unit, 1 hour lecture (total of 8 hours for 4 weeks)
A course to assess, interpret, and diagnose learning strengths and weaknesses for the purpose of identifying specific learning disabilities. Guidelines mandated by the California Community College system will be utilized to determine eligibility for Learning Disabilities Services. An orientation to the Learning Disabilities Program will also be provided, as well as prescriptive planning and IEP development. A conference will be held with the Learning Disabilities Specialist prior to the assessment process. This course is offered on a Pass/No Pass basis only. (Nondegree credit course)

Personal Development–Special Services 085 A-B †† Adapted Computer Basics

1 unit, 2 hours lecture/laboratory
Recommended Preparation: *English 105.*
An individualized course of study for students with verifiable disabilities. The course is designed to acquaint the student with basic assistive technology and techniques that may improve his or her ability to succeed in mainstream college-level courses and vocational programs. This course is offered on a Pass/No Pass basis only. (Nondegree credit course)

Personal Development–Special Services 087 A-B ††
Adapted Computer Studies
1 unit, 2 hours lecture/laboratory
Recommended Preparation: *English 105.*
An individualized course of study for students with verifiable disabilities. The course provides the student with in-depth, individualized instruction in assistive technology and techniques that are intended to maximize independent use of assistive and mainstream computer hardware and software to improve the student's ability to succeed in mainstream college-level courses and vocational programs. This course is offered on a Pass/No Pass basis only. (Nondegree credit course)

Personal Development–Special Services 090 A-B-C-D ††
Learning Strategies Practicum
1 unit, 1 hour lecture
A course designed for students with specialized learning needs. Involves development and implementation of specific learning strategies, in a developmental learning environment, to assist the student's academic performance. This course is offered on a Pass/No Pass basis only. (Nondegree credit course)

Personal Development–Special Services 094 A-B-C-D ††
Learning Strategies Practicum
2 units, 2 hours lecture
A course designed for students with specialized learning needs. Involves development and implementation of specific learning strategies, in a developmental learning environment, to assist the student's academic performance. This course is offered on a Pass/No Pass basis only. (Nondegree credit course)

Personal Development–Special Services 101 ††
Study Strategies for Students with Disabilities
1 unit, 1 hour lecture
Students with 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 disabled students' opportunities for academic success. This course is offered on a Pass/No Pass basis only. (Nondegree credit course)

Personal Development–Special Services 110 ††
Developmental Writing for Students with Disabilities I
2 units, 2 hours lecture
This first course in a two-course sequence provides instruction in fundamental 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)

Personal Development–Special Services 111 ††
Developmental Writing for Students with Disabilities II
2 units, 2 hours lecture
Prerequisite: *A "Pass" grade in PDSS 110 or equivalent.*
This second course in a two-course sequence builds on the knowledge, skills, and strategies acquired in PDSS 110 and provides instruction in fundamental written language skills and knowledge to improve grammar, mechanics, usage, and composing skills for students with 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)

Personal Development–Special Services 199
Special Studies or Projects in Personal Development
1-3 units, 3-9 hours
Prerequisite: *Consent of instructor.*
Individual study, research or projects in the field of personal development under instructor guidance. Written reports and periodic conferences required. Content and unit credit to be determined by student/instructor conferences and/or division. May be repeated for a maximum of three units.

Personal Development–Special Services 298 ††
Selected Topics in Personal Development
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in personal development not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Counseling, Student Development and Matriculation in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class. Pass/No Pass only.
Non-associate degree applicable

Personal Development–Special Services 299A †
Selected Topics in Personal Development
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in personal development not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Counseling, Student Development and Matriculation in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class.
Associate degree applicable

Personal Development–Special Services 299B †
Selected Topics in Personal Development
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in personal development not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Counseling, Student Development and Matriculation in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class.
Baccalaureate level-CSU transfer

Philosophy (PHIL)

Philosophy 110 †
A General Introduction to Philosophy
3 units, 3 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.
Satisfies General Education for: Grossmont College C1; CSU C2; IGETC 3B
Transfers to: CSU, UC

† This course meets all Title 5 standards for Associate Degree Credit.
†† This course meets all Title 5 standards for Nondegree Credit.

Philosophy 111 †
Philosophy and Popular Culture
3 units, 3 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.
Satisfies General Education for: Grossmont College C1; CSU C2; IGETC 3B
Transfers to: CSU, UC

Philosophy 112 †
The Classical Mind
3 units, 3 hours lecture
Classical philosophy is concerned with the emergence of what we understand as a systematic attempt to grasp the nature of humanity and the world. This study is an exploration of the significant figures and movements within Greek philosophy and surveys the ideas that have shaped and guided Western civilization for 2500 years.
Satisfies General Education for: Grossmont College C1; CSU C2; IGETC 3B
Transfers to: CSU, UC

Philosophy 114 †
The Medieval Mind
3 units, 3 hours lecture
Medieval philosophy begins with the decline of classical thought and ends in the 16th century. It is distinguished by an attempt to incorporate classical philosophy, predominately Plato and Aristotle, into the doctrine of Christianity. The medieval (scholastic) school of philosophy focuses on the relation between philosophy and theology.
Satisfies General Education for: Grossmont College C1; CSU C2; IGETC 3B
Transfers to: CSU, UC

Philosophy 116 †
The Modern Mind
3 units, 3 hours lecture
The Modern Mind surveys the significant philosophers and theories beginning with the Renaissance and continuing through the nineteenth century, from Descartes to Kant. This period of ideas coincides with the development of the scientific method and the discovery of the new world. The study presents the growth of modern ideas and the response to the new world. It attends to the problem of how humanity, with its system of values, fits into a world of neutral, indifferent facts.
Satisfies General Education for: Grossmont College C1; CSU C2; IGETC 3B
Transfers to: CSU, UC

Philosophy 118 †
The Contemporary Mind
3 units, 3 hours lecture
Contemporary philosophy is an effort to trace new paths of meaning when traditional sources (religion, science, and society) are questioned. This course is a survey of the major trends in philosophy in the late 19th and 20th centuries. It also examines the recent developments in the early 21st century. Three of the most significant schools of thought are: 1) the analytic movement of Moore, Russell, and Wittgenstein; 2) the existential/phenomenological thought of Nietzsche, Husserl, Heidegger, and Sartre; and 3) the pragmatic tradition beginning with Pierce, James and Dewey.
Satisfies General Education for: Grossmont College C1; CSU C2; IGETC 3B
Transfers to: CSU, UC

Philosophy 125 †
Critical Thinking
3 units, 3 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 avoid logical errors.
Satisfies General Education for Grossmont College A3; CSU A3
Transfers to: CSU, UC

Philosophy 130 †
Logic
3 units, 3 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.
Satisfies General Education for Grossmont College A3; CSU A3
Transfers to: CSU, UC

Philosophy 140 †
Problems in Ethics
3 units, 3 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.
Satisfies General Education for: Grossmont College C1; CSU C2; IGETC 3B
Transfers to: CSU, UC

Philosophy 141 †
Moral Problems in Health Care
3 units, 3 hours lecture
This is a course in moral theory and practice as it relates to problems encountered in health care. The first component of this course deals with major schools of ethical theory, focusing on the prominent theories in Western philosophy from classical to contemporary. The second component is an investigation of moral issues that arise in the area of health care. Students receive a solid foundation in ethics as well as a thorough study of the issues and situations which are unique to health care.
Satisfies General Education for: Grossmont College C1; CSU C2
Transfers to CSU

Philosophy 145 †
Social and Political Philosophy
3 units, 3 hours lecture
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.
Satisfies General Education for: Grossmont College C1; CSU C2; IGETC 3B
Transfers to: CSU, UC

† This course meets all Title 5 standards for Associate Degree Credit.

Philosophy 150 †
Human Beings and Aesthetic Value
3 units, 3 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.
Satisfies General Education for: Grossmont College C1; CSU C2; IGETC 3B
Transfers to: CSU, UC

Philosophy 155 †
The Philosophy of Science
3 units, 3 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
Satisfies General Education for: CSU C2; IGETC 3B
Transfers to: CSU, UC

Philosophy 194
Community Service Learning Experience
1 unit, (60 hours unpaid, 75 hours paid)
Community Service Learning Experience (CSLE) is a community outreach program which promotes volunteer engagement. The purpose is to provide students the opportunity to comprehend the importance of community involvement and to expand their understanding of citizenship while exploring options and careers in a selected area of study. The course includes placement in a community-based social service site, museum, political agency, environmental organization or with appropriate K-12 students.
Transfers to CSU

Philosophy 199
Special Studies or Projects in Philosophy
1-3 units, 3-9 hours
Prerequisite: *Consent of instructor.*
Individual study, research or projects in the field of philosophy under instructor guidance. Written reports and periodic conferences required. Content and unit credit to be determined by student/instructor conferences and/or division. May be repeated for a maximum of nine units.

Philosophy 298 ††
Selected Topics in Philosophy
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in philosophy not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of English and Social/Behavioral Sciences in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class. Pass/No Pass only.
Non-associate degree applicable

Philosophy 299A †
Selected Topics in Philosophy
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in philosophy not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of English and Social/Behavioral Sciences in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class.
Associate degree applicable

Philosophy 299B †
Selected Topics in Philosophy
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in philosophy not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of English and Social/Behavioral Sciences in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class.
Baccalaureate level-CSU transfer

Photography

Photography 150 †
Introduction to Photography
3 units, 2 hours lecture, 4 hours laboratory
An introductory course that examines the nature of photography and visual literacy through the personal exploration and making of photographic images as well as the critical discourse of photography's role and function in society and culture. 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 discussed to further cultivate and refine each student's visual literacy of the photographic image. Appropriate for students without prior photographic experience.
Satisfies General Education for: Grossmont College C3
Transfers to: CSU, UC (credit limited: see page 39)

Photography 151 †
Intermediate Photography
3 units, 2 hours lecture, 4 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in Photography 150 or equivalent.*
An intermediate course that builds on the foundations of photographic seeing, thought and analysis, and the advanced uses of analog and digital photographic materials and processes, including black and white, grayscale and color. 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 advanced practice with small and medium format cameras, advanced image exposure methods, basic location and studio artificial lighting techniques, advanced image optimization and use of the dynamic tonal range with advanced film processing and digital imaging techniques, and photographic printing practices in both darkroom and digital environments.
Transfers to: CSU, UC (credit limited: see page 39)

Photography 152 †
Advanced Photography
3 units, 2 hours lecture, 4 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in Photography 151 or equivalent.*
This advanced course explores various advanced analog and digital photographic imaging systems, including medium- and large- format cameras as well as emerging technologies, 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 advanced digital capture and medium-/large-format camera systems, appropriate image exposure, processing and printing applications, and advanced natural and artificial lighting techniques.
Transfers to CSU

† This course meets all Title 5 standards for Associate Degree Credit.
†† This course meets all Title 5 standards for Nondegree Credit.

Photography 154 †
History of Photography
3 units, 3 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.
Satisfies General Education for: Grossmont College C3; CSU C1; IGETC 3A
Transfers t: o CSU, UC (credit limited: see page 39)

Photography 166 †
Image and Idea
3 units, 2 hours lecture, 4 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in Photography 151 or equivalent.*
This intermediate course is an in-depth exploration of photographic imaging with an emphasis on relating the current technologies to traditional and historical processes while directing the students' energies toward a balance of image and idea. Students will develop a language specific for the communication of meaning within their photographs, pushing the medium beyond its pictorial qualities and engaging it into the service of ideas. Lens- and time-based concepts will challenge students' ongoing work developed in previous classes, as they further examine present day realities, the function of memory, our cultural history, gender identity and the new visceral nature of the medium through contemporary methods, technical strategies, and alternative approaches thus achieving a stronger personal vision.
Transfers to CSU

Photography 167 †
Lens Culture
3 units, 2 hours lecture, 4 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in Photography 150 or equivalent.*
An intermediate course that examines the nature of photography and culture as revealed by the camera lens in society, within the contexts of public, street and documentary photographic practices. Primary focus of the course will be to examine and engage in photographic practice that explores the photograph as a visual document of "evidence and truth," the camera as a mechanical eye in the realm of surveillance, spectacle and propaganda, as well as the nature of "public" photography with camera phones, photo booths, and paparazzi practice. Appropriate for students with prior exposure to photography and basic photographic experience, discussion and practice with analog and digital materials and processes.
Transfers to CSU

† This course meets all Title 5 standards for Associate Degree Credit.

Photography 168 †
Media and the Photographic Profession
3 units, 2 hours lecture, 4 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in Photography 151 or equivalent.*
This advanced course is an introduction to the profession of photography addressing the topics and skills associated with the demand for photography in such media fields as editorial and commercial. Primary technical emphasis will be on artificial lighting both in the studio and on location, covering objectives inherent in advertising, portraiture, fashion, illustration and tableaux genres. Students will control and construct images for the camera with the purpose of persuasion, promotion and publicity, gaining invaluable insight as they investigate these traditions of images created for the various media outlets. Basic business practices will be introduced as students generate a model for self-promotion within the competitive practice of professional photography.
Transfers to CSU

Photography 199
Special Studies or Projects in Photography
1-3 units, 3-9 hours
Prerequisite: *Consent of instructor.*
Individual study, research or projects in the field of photography under instructor guidance. Written reports and periodic conferences required. Content and unit credit to be determined by student/instructor conferences and/or division. May be repeated for a maximum of nine units.

Photography 252 †
Photographer's Portfolio
3 units, 2 hours lecture, 4 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in Photography 151 or equivalent.*
An advanced course to further the development and refinement of the techniques necessary to support serious photographic communication will be the primary objective of this final course within the major. Skillful control of modern technological options and clear 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. A final portfolio, including a print, portfolio book and/or website, will be produced describing the depth and scope of the student's interest, craft ability and vision.
Transfers to CSU

Photography 298 ††
Selected Topics in Photography
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Investigations not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Arts, Languages and Communication in relation to current needs and resources. May be offered in workshop, seminar, lecture, or laboratory format. Pass/No Pass only.
Non-associate degree applicable

Photography 299A †
Selected Topics in Photography
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Investigations not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Arts, Languages and Communication in relation to current needs and resources. May be offered in workshop, seminar, lecture, or laboratory format.
Associate degree applicable

Photography 299B †
Selected Topics in Photography
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Investigations not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Arts, Languages and Communication in relation to current needs and resources. May be offered in workshop, seminar, lecture, or laboratory format.
Baccalaureate level-CSU transfer

Physical Education

See: Exercise Science

Physical Science (PSC)



Physical Science 100 † Physical Science for Elementary Education

3 units, 3 hours lecture

Prerequisite: *A "Pass" grade in Math 090 or equivalent*

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.
Satisfies General Education for: Grossmont College B2; CSU B1
Transfers to: CSU, UC

Physical Science 110 † Introduction to the Physical Sciences

3 units, 3 hours lecture

A broad approach to the physical sciences designed primarily for the student who is not majoring in science. Main 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.
Satisfies General Education for: Grossmont College B2; CSU B1; IGETC 5A
Transfers to: CSU, UC (credit limited: see page 39)

Physical Science 111 † Physical Science Laboratory

1 unit, 3 hours laboratory

Prerequisite: *A "C" grade or higher or "Pass" or concurrent enrollment in Physical Science 110 or equivalent.*

Designed to accompany and augment Physical Science 110. An introductory approach to scientific investigation 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, solar energy, and radioactivity.
Satisfies General Education for: Grossmont College B2; CSU B3; IGETC 5C
Transfers to: CSU, UC (credit limited: see page 39)

Physical Science 199 Special Studies or Projects in Physical Science

1-3 units, 3-9 hours

Prerequisite: *Consent of instructor.*

Individual study, research or projects in the field of physical science under instructor guidance. Written reports and periodic conferences required. Content and unit credit to be determined by student/instructor conferences and/or division. May be repeated for a maximum of nine units.

Physical Science 298 †† Selected Topics in Physical Science

1-3 units, 3-9 hours

Prerequisite: *Varies with topic.*

Selected topics in physical science not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Mathematics, Natural Sciences, and Exercise Science and Wellness in relation to community/student need(s) and/or available staff. May be offered as a seminar, lecture or lecture/laboratory class. Pass/No Pass only.
Non-associate degree applicable

† This course meets all Title 5 standards for Associate Degree Credit.
†† This course meets all Title 5 standards for Nondegree Credit.

Physical Science 299A †
Selected Topics in Physical Science

1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in physical science not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Mathematics, Natural Sciences, and Exercise Science and Wellness in relation to community/student need(s) and/or available staff. May be offered as a seminar, lecture or lecture/laboratory class.
Associate degree applicable

Physical Science 299B †
Selected Topics in Physical Science

1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in physical science not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Mathematics, Natural Sciences, and Exercise Science and Wellness in relation to community/student need(s) and/or available staff. May be offered as a seminar, lecture or lecture/laboratory class.
Baccalaureate level-CSU transfer

Physics (PHYC)

Physics 110 †
Introductory Physics

4 units, 3 hours lecture, 3 hours laboratory
This physics course is structured for students who have had little or no previous physics or mathematics. The math which is needed is explained as the course progresses. Physics is a study of the 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.
Satisfies General Education for: Grossmont College B2; CSU B1; IGETC 5A
Transfers to: CSU, UC (credit limited: see page 39)

Physics 130 †
Fundamentals of Physics

4 units, 3 hours lecture, 3 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" or concurrent enrollment in Math 178 or Math 180 or equivalent.*
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.
Satisfies General Education for: Grossmont College B2; CSU B1; IGETC 5A
Transfers to: CSU, UC (credit limited: see page 39)

Physics 131 †
Fundamentals of Physics

4 units, 3 hours lecture, 3 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in Physics 130 or equivalent.*
A continuation of Physics 130 covering electricity, DC and AC circuits, magnetism, electromagnetic waves, light, optical instruments, holography, atomic and nuclear physics. The laboratory provides emphasis on electrical circuits, oscilloscopes, optics, interference, holography and nuclear counting. The 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.
Satisfies General Education for: Grossmont College B2; CSU B1; IGETC 5A
Transfers to: CSU, UC (credit limited: see page 39)

Physics 140 †
Mechanics of Solids

4 units, 3 hours lecture, 3 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in Math 180 or equivalent.*
This course is the first course of a three-semester, calculus level sequence of physics courses designed for engineering, physics, math, 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.
Satisfies General Education for: Grossmont College B2; CSU B1; IGETC 5A
Transfers to: CSU, UC (credit limited: see page 39)

Physics 199
Special Studies or Projects in Physics

1-3 units, 3-9 hours
Prerequisite: *Consent of instructor.*
Individual study, research or projects in the field of physics under instructor guidance. Written reports and periodic conferences required. Content and unit credit to be determined by student/instructor conferences and/or division. May be repeated for a maximum of nine units.

Physics 240 †
Electricity, Magnetism and Heat

4 units, 3 hours lecture, 3 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in Physics 140 or equivalent. A "C" grade or higher or "Pass" or concurrent enrollment in Math 280 or equivalent.*
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.
Satisfies General Education for: Grossmont College B2; CSU B1; IGETC 5A
Transfers to: CSU, UC (credit limited: see page 39)

Physics 241 †
Light, Optics, and Modern Physics

4 units, 3 hours lecture, 3 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in Physics 240 or equivalent. A "C" grade or higher or "Pass" or concurrent enrollment in Math 281 or equivalent.*
This is part of a three-semester, calculus-level sequence of physics courses designed for science, mathematics, physics and engineering 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.
Satisfies General Education for: Grossmont College B2; CSU B1; IGETC 5A
Transfers to: CSU, UC (credit limited: see page 39)

† This course meets all Title 5 standards for Associate Degree Credit.

Physics 298 ††
Selected Topics in Physics
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in physics not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Mathematics, Natural Sciences, and Exercise Science and Wellness in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class. Pass/No Pass only.
Non-associate degree applicable

Physics 299A †
Selected Topics in Physics
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in physics not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Mathematics, Natural Sciences, and Exercise Science and Wellness in relation to community/ student need(s) and/or available staff. May be offered as a seminar or lecture class.
Associate degree applicable

Physics 299B †
Selected Topics in Physics
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in physics not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Mathematics, Natural Sciences, and Exercise Science and Wellness in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class.
Baccalaureate level-CSU transfer

Political Science (POSC)

Political Science 120 †
Introduction to Politics and Political Analysis
3 units, 3 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.)
Satisfies General Education for: Grossmont College D1; CSU D8; IGETC 4H
Transfers to: CSU, UC

Political Science 121 †
Introduction to U.S. Government and Politics
3 units, 3 hours lecture
Recommended Preparation: *A "C" grade or higher or "Pass" in English 110 or ESL 119 or equivalent.*
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.
This course meets Track 2 Part A of the American Institutions requirement.
Satisfies General Education for: Grossmont College D3; CSU D8; IGETC 4H
Transfers to: CSU, UC

Political Science 124 †
Introduction to Comparative Government and Politics
3 units, 3 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.
Satisfies General Education for: Grossmont College D1; CSU D8; IGETC 4H
Transfers to: CSU, UC

Political Science 130 †
Introduction to International Relations
3 units, 3 hours lecture
Recommended Preparation: *A "C" grade or higher or "Pass" in English 110 or ESL 119 or equivalent.*
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.
Satisfies General Education for: Grossmont College D1; CSU D8; IGETC 4H
Transfers to: CSU, UC

Political Science 135 †
Model United Nations
1 unit, 1 hour 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.
Transfers to CSU

Political Science 140 †
Introduction to California Governments and Politics
3 units, 3 hours lecture
Recommended Preparation: *A "C" grade or higher or "Pass" in Political Science 121 or equivalent.*
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, major social groups in the development of the political structures and processes of California state and local governments and contemporary political issues.
This course meets Track 1 Part B of the American Institutions requirement.
Satisfies General Education for: Grossmont College D3; CSU D8
Transfers to CSU

† This course meets all Title 5 standards for Associate Degree Credit.
†† This course meets all Title 5 standards for Nondegree Credit.

Political Science 150 †
Introduction to Political Theory
3 units, 3 hours lecture
Recommended Preparation: *Political Science 120 or Philosophy 110*
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 and fascism.
Satisfies General Education for: Grossmont College D1; CSU D8
Transfers to: CSU, UC

Political Science 155 †
State and Society in the Asia Pacific
3 units, 3 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 Asia Pacific Region. The course will focus on the endurance of traditional cultures, the intermingling and grafting of the Asian tradition, 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.
Satisfies General Education for: CSU D7; IGETC 4G
Transfers to: CSU, UC

Political Science 160 †
Politics in Film
3 units, 3 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.
Satisfies General Education for: Grossmont College D1; CSU D8; IGETC 4H
Transfers to: CSU, UC

Political Science 195 A-B-C-D †
Internship in Political Science
1 unit, 5 hours work experience per week
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. For work experience requirements, see page 30.
Transfers to CSU

Political Science 197 †
Internship in Political Science
2 units, 10 hours work experience per week
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. For work experience requirements, see page 30.
Transfers to CSU

Political Science 199
Special Studies or Projects in Political Science
1-3 units, 3-9 hours
Prerequisite: *Consent of instructor.*
Individual study, research or projects in the field of political science under instructor guidance. Written reports and periodic conferences required. Content and unit credit to be determined by student/instructor conferences and/or division. May be repeated for a maximum of nine units.

Political Science 298 ††
Selected Topics in Political Science
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in political science not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of English and Social/Behavioral Sciences in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class. Pass/No Pass only.
Non-associate degree applicable

Political Science 299A †
Selected Topics in Political Science
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in political science not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of English and Social/Behavioral Sciences in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class.
Associate degree applicable

Political Science 299B †
Selected Topics in Political Science
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in political science not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of English and Social/Behavioral Sciences in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class.
Baccalaureate level-CSU transfer

Psychology (psy)

Psychology 120 †
Introductory Psychology
3 units, 3 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.
Satisfies General Education for: Grossmont College D2; CSU D9; IGETC 4I
Transfers to: CSU, UC

† This course meets all Title 5 standards for Associate Degree Credit.
†† This course meets all Title 5 standards for Nondegree Credit.

Psychology 125 †
(Cross-Cultural Studies 125)
Cross-Cultural Psychology
3 units, 3 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 influences human behavior, this course will make them more equipped to interact in a world where there is increasing contact among different cultures.
Satisfies General Education for: Grossmont College D2; CSU D3 or D9; IGETC 4C or 4I
Transfers to: CSU, UC (credit limited: see page 39)

Psychology 130 †
Psychology of Individual Adjustment
3 units, 3 hours lecture
An examination of psychological adjustment, including varying view-points of its definition, the modern classification of mental disorder, theories of personality, and approaches to therapy.
Satisfies General Education for: Grossmont College D2; CSU D9 or E; IGETC 4I
Transfers to: CSU, UC

Psychology 132 †
Psychology of Health
3 units, 3 hours lecture
Study of the contributions of psychology to the promotion and maintenance of health, prevention and treatment of illness, identification of events associated with health and illness and under-standing of the health care system. Social, psychological and physiological factors affecting the individual's well-being are considered. Topics include: mental disorders, drugs, sexuality, death and dying, sleep, and behavioral aspects of good health and issues of biomedical ethics.
Satisfies General Education for: Grossmont College D2; CSU E
Transfers to CSU

Psychology 134 †
Human Sexuality
3 units, 3 hours lecture
An overview of the biological, psycho-logical, 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, communica-tion and relationships, sex therapy, rape and sexual assault, contraception and new reproductive technologies, sexual morality and STDs.
Satisfies General Education for Grossmont College D2; CSU D9, E; IGETC 4I
Transfers to: CSU, UC

Psychology 138 †
(Sociology 138)
Social Psychology
3 units, 3 hours lecture
An examination of the individual's perception of, and reaction to, other people and social influences. Topics such as attitude formation, prejudice and discrimination, helping behavior, aggression, conformity, obedience, cooperation and conflict reduction, and group behavior are explored.
Satisfies General Education for: Grossmont College D2; CSU D7 or D9 or D10 or E; IGETC 4I or 4J
Transfers to: CSU, UC (credit limited: see page 39)

Psychology 140 †
Physiological Psychology
3 units, 3 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in Psychology 120 or equivalent.*
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.
Satisfies General Education for: CSU D9 or E; IGETC 4I
Transfers to: CSU, UC

Psychology 150 †
Developmental Psychology
3 units, 3 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in Psychology 120 or equivalent.*
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.
Satisfies General Education for: CSU D9 or E; IGETC 4I
Transfers to: CSU, UC (credit limited: see page 39)

Psychology 170 †
Abnormal Psychology
3 units, 3 hours lecture
Overview of psychological research and theory involving the 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), schizophrenic disorders and personality disorders. Also included are the child/adolescence disorders (such as ADHD and eating disorders), substance abuse, mental retardation, sexual disorders, and the effects of stress on the body.
Satisfies General Education for: Grossmont College D2; CSU D9; IGETC 4I
Transfers to: CSU, UC

Psychology 180 †
Psychology of Interpersonal Skills
4 units, 3 hours lecture, 3 hours laboratory
A study of those skills important for helpful interpersonal relating, accompanied by structured experience and training in their practice. The skill of empathic responding is emphasized, with a focus on theory and research, application in helping relationships, and implementation in one-on-one and group interaction in class.
Satisfies General Education for CSU E
Transfers to CSU

Psychology 199
Special Studies or Projects in Psychology
1-3 units, 3-9 hours
Prerequisite: *Consent of instructor.*
Individual study, research or projects in the field of psychology under instructor guidance. Written reports and periodic conferences required. Content and unit credit to be determined by student/instructor conferences and/or division. May be repeated for a maximum of nine units.

† This course meets all Title 5 standards for Associate Degree Credit.

Psychology 201 †
Academic and Career Opportunities in Psychology
1 unit, 1 hour lecture
Prerequisite: *A "C" grade or higher or "Pass" in Psychology 120 or equivalent.*
Psychology 201 is designed for students interested in majoring in psychology. The course provides an overview of academic and career options in the field of psychology. Emphasis will be placed on academic planning, post-baccalaureate options in psychology and related field, and identification of career-related strengths and interests. Recommended after completion of thirty (30) units of coursework. This course is offered on a Pass/No Pass basis only.
Transfers to CSU

Psychology 205 †
Research Methods for Psychology
3 units, 3 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in Psychology 120, Anthropology 215, Psychology 215 or Sociology 215 or equivalent.*
An introduction to the scientific methodology used in psychology and the behavioral sciences. This course surveys various 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.
Transfers to: CSU, UC

Psychology 215 †
(Anthropology 215, Sociology 215)
Statistics for the Behavioral Sciences
3 units, 2 hours lecture, 3 hours laboratory
Prerequisite: *A "C" grade or higher in Math 103 or 110 or equivalent.*
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.
Satisfies General Education for: Grossmont College A3; CSU B4; IGETC 2A
Transfers to: CSU, UC (credit limited: see page 39)

Psychology 220 †
Learning
3 units, 3 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in Psychology 120 or equivalent.*
An examination of the basic principles and research in animal and human learning.
Satisfies General Education for: CSU D9 or E; IGETC 4I
Transfers to: CSU, UC

Psychology 298 ††
Selected Topics in Psychology
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in psychology not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of English and Social/Behavioral Sciences in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class. Pass/No Pass only.
Non-associate degree applicable

Psychology 299A †
Selected Topics in Psychology
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in psychology not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of English and Social /Behavioral Sciences in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class.
Associate degree applicable

Psychology 299B †
Selected Topics in Psychology
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in psychology not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of English and Social/Behavioral Sciences in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class.
Baccalaureate level-CSU transfer

† This course meets all Title 5 standards for Associate Degree Credit.
†† This course meets all Title 5 standards for Nondegree Credit.

Religious Studies (RELG)

Religious Studies 120 †
World Religions
3 units, 3 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.
Satisfies General Education for: Grossmont College C1; CSU C2; IGETC 3B
Transfers to: CSU, UC

Religious Studies 130 †
Scriptures of World Religions
3 units, 3 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.
Satisfies General Education for: Grossmont College C1; CSU C2; IGETC 3B
Transfers to: CSU, UC

Religious Studies 140 †
Religion and Culture
3 units, 3 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.
Satisfies General Education for: Grossmont College C1; CSU C1, C2; IGETC 3B
Transfers to: CSU, UC

Religious Studies 150 †
Scriptures of India and China
3 units, 3 hours lecture
A focused study of the religious writings of India and China. The major modes of Eastern thought are explored through the examination of sacred texts.
Satisfies General Education for: Grossmont College C1; CSU C2; IGETC 3B
Transfers to: CSU, UC

Religious Studies 199
Special Studies or Projects in Religion
1-3 units, 3-9 hours
Prerequisite: *Consent of instructor.*
Individual study, research or projects in the field of religion under instructor guidance. Written reports and periodic conferences required. Content and unit credit to be determined by student/instructor conferences and/or division. May be repeated for a maximum of nine units.

Religious Studies 298 ††
Selected Topics in Religion
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in religion not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of English and Social/Behavioral Sciences in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class. Pass/No Pass only.
Non-associate degree applicable

Religious Studies 299A †
Selected Topics in Religion
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in religion not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of English and Social/Behavioral Sciences in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class.
Associate degree applicable

Religious Studies 299B †
Selected Topics in Religion
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in religion not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of English and Social/Behavioral Sciences in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class.
Baccalaureate level-CSU transfer

Respiratory Therapy (resp)

Respiratory Therapy 105 †
Cardiopulmonary Physiology and Disease Entities
4 units, 4 hours lecture
Prerequisite: *A "C" grade or higher in Chemistry 115, Biology 144 and 145 or equivalent or Biology 140 and 141 and 141L or 142 or equivalent.*
Corequisite: *Respiratory Therapy 108 and 112 and 114.*
Building on previous coursework, this course will elaborate on the specific concepts of normal cardiopulmonary anatomy and physiology. This semester stresses importance of cardiopulmonary anatomy, the process of ventilation, gaseous diffusion, gaseous transport to the periphery matching of ventilation and perfusion, acid base balance or imbalance and basic pharmacology. The dynamics of human physiological functions are studied in relationship to functional disease patterns. Special emphasis is given to the assessment of the physiological processes and the recognition of alterations in pathophysiology.
Transfers to CSU

Respiratory Therapy 108 †
Basic Respiratory Therapy Equipment, Procedures and Life Support Systems
5 units, 3 hours lecture, 6 hours laboratory
Prerequisite: *A "C" grade or higher in Chemistry 115, Biology 144 and 145 or equivalent or Biology 140 and 141 and 141L or 142 or equivalent.*
Corequisite: *Respiratory Therapy 105 and 112 and 114.*
An introduction to the principles of equipment operation, equipment care and maintenance, basic therapeutic techniques as employed in a general care environment, as well as equipment utilized in the intensive care units.
Transfers to CSU

Respiratory Therapy 112 †
Supervised Clinical Practicum I
1 unit, 3 hours laboratory
Prerequisite: *A "C" grade or higher in Chemistry 115, Biology 144 and 145 or equivalent or Biology 140 and 141 and 141L or 142 or equivalent.*
Corequisite: *Respiratory Therapy 105 and 108 and 114.*
Basic respiratory therapy procedures and general patient assessment are practiced 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.
Transfers to CSU

Respiratory Therapy 114 †
Respiratory Pharmacology
2 units, 2 hours lecture
Prerequisite: *A "C" grade or higher in Chemistry 115, Biology 144 and 145 or equivalent or Biology 140 and 141 and 141L or 142 or equivalent.*
Corequisite: *Respiratory Therapy 105 and 108 and 112.*
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.
Transfers to CSU

Respiratory Therapy 116 †
Assessment in Respiratory Care
3 units, 3 hours lecture
Prerequisite: *A "C" grade or higher in Respiratory Therapy 105 or equivalent.*
This course will examine the patient assessment process utilized in management of the patient with cardiopulmonary dysfunction. Development of skills for data collection and decision-making are refined through examination of case studies. Physical examination, respiratory physiology, pulmonary modalities, information gathering, decision-making and assessment of clinical situations is integrated in the management of the simulated pulmonary patient. Special emphasis is given to the assessment of the physiological processes and the recognition of patterns associated with pathophysiology.
Transfers to CSU

Respiratory Therapy 118 †
Critical Care Life Support Equipment and Procedures
4.5 units, 3 hours lecture, 4.5 hours laboratory
Prerequisite: *A "C" grade or higher in Respiratory Therapy 105, 108 and 112 or equivalent.*
Advanced concepts of respiratory therapy equipment and therapeutic procedures will be explored 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. Variation in ventilation oxygenation, and current weaning techniques are discussed for various disease entities.
Transfers to CSU

† This course meets all Title 5 standards for Associate Degree Credit.
†† This course meets all Title 5 standards for Nondegree Credit.

Respiratory Therapy 122 † Supervised Clinical Practicum II

3 units, 9 hours laboratory
Prerequisite: *A "C" grade or higher in Respiratory Therapy 105 and 108 and 112 and 114 or equivalent.*
Corequisite: *Respiratory Therapy 116 and 118 and 150.*
General respiratory therapy procedures and pulmonary assessment are carried out 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 and pathophysiology are applied to modify appropriate patient care management.
Transfers to CSU

Respiratory Therapy 141 † Anesthesia Technology I

2 units, 1 hour lecture, 3 hours laboratory
Prerequisite: *A "C" grade or higher in Biology 140 and BOT 161 or equivalent.*
Corequisite: *Respiratory Therapy 142 and 143.*
This course will offer an introduction to anesthesia technology, describing and demonstrating anesthesia machine technology used in patient care. Information on airway management will also be provided, highlighting the devices used to manage artificial airways during general anesthesia procedures. Various types of artificial airways and intubation techniques will be demonstrated.
Transfers to CSU

Respiratory Therapy 142 † Anatomy and Physiology for the Anesthesia Technician

2 units, 2 hours lecture
Corequisite: *Respiratory Therapy 141 and 143*
This course will offer an introduction to anatomy and physiology of the human body for the anesthesia technician. Rather than providing a broad overview of human systems, course content will be directly related to the job skills of the anesthesia technician learning to assist the anesthesiologist, surgeon and surgical team.
Transfers to CSU



Respiratory Therapy 143 † Introduction to the Operating Room

1.5 units, 1.5 hours lecture
Corequisite: *Respiratory Therapy 141 and 142*
This course provides an introduction to the basic clinical skills required of all health care workers in an operating room environment. The culture of the operating room will be emphasized, including aseptic technique, appropriate employee behaviors, understanding of the job description and outcomes of job performance, and legal and regulatory constraints. Employee safety will also be stressed through training in universal precautions and the application of good body mechanics.
Transfers to CSU

Respiratory Therapy 144 † Supervised Clinical Practicum I for the Anesthesia Technician

3 units, 9 hours laboratory
Prerequisite: *A "C" grade or higher in Respiratory Therapy 141 and 142 and 143.*
Corequisite: *Respiratory Therapy 145 and 146*
This course is an introduction to the application of general principles of anesthesia technology in an operating room setting at local clinical affiliates. Emphasis is placed on utilizing information and skills learned in Respiratory Therapy 141, 142, and 143. Information on the role of the anesthesia technician will be provided, highlighting the clinical assistance required by the anesthesia provider.
Transfers to CSU

Respiratory Therapy 145 † Anesthesia Technology II

2.5 units, 1.5 hours lecture, 3 hours laboratory
Prerequisite: *A "C" grade or higher in Respiratory Therapy 141 and 142 and 143.*
Corequisite: *Respiratory Therapy 144 and 146*
This course provides an introduction to monitoring devices and techniques used in the care of patients who are undergoing an anesthetic. Techniques and devices used to assess ventilation, oxygenation, and circulation will be described and demonstrated. Methods and devices used to gain vascular access, basic hemodynamic monitoring, and techniques for monitoring and management of patient temperature will be presented in lecture and demonstration formats.
Transfers to CSU

Respiratory Therapy 146 † Pharmacology for the Anesthesia Technician

2 units, 2 hours lecture
Prerequisite: *A "C" grade or higher in Respiratory Therapy 141, 142, and 143.*
Corequisite: *Respiratory Therapy 144 and 145*
This course is an introduction to the general principles of pharmacology, medications and drug delivery systems used in anesthesia. Commonly used drugs, their clinical action, possible side effects and route of administration will be presented. Information on the prevention of medication errors and substance abuse, and quality control measures will also be stressed.
Transfers to CSU

† This course meets all Title 5 standards for Associate Degree Credit.

Respiratory Therapy 147 † Anesthesia Technology III

2.5 units, 1.5 hours lecture, 3 hours laboratory
Prerequisite: *A "C" grade or higher in Respiratory Therapy 144, 145, and 146.*
Corequisite: *Respiratory Therapy 148*
This course will provide an introduction to the laboratory tests used to facilitate care of patients undergoing an anesthetic. Information on blood products, fluid balance and fluid management will also be provided, highlighting the devices used to deliver fluids and drugs during general anesthesia procedures. The course will include theoretical instruction in the use of autologous blood collection and intra-aortic balloon therapy as well as the anesthetic management of high acuity patients and anesthesia emergencies.
Transfers to CSU

Respiratory Therapy 148 † Supervised Clinical Practicum II for the Anesthesia Technician

2 units, 6 hours laboratory
Prerequisite: *A "C" grade or higher in Respiratory Therapy 144, 145, and 146.*
Corequisite: *Respiratory Therapy 147*
This course will provide further experience in clinical anesthesia technology, focusing on information and skills learned in Respiratory Therapy 145 and 146, as well as the application of laboratory tests used to facilitate patient care. Clinical exposure to the use of blood products, fluid balance and fluid management will also be provided, highlighting the devices used to deliver fluids and drugs during general anesthesia procedures. Emphasis will be placed on the anesthetic management of high acuity patients and anesthesia emergencies in a clinical setting in area hospitals.
Transfers to CSU

Respiratory Therapy 150 † Neonatal Pediatric Respiratory Care

3 units, 3 hours lecture
Prerequisite: *A "C" grade or higher in Respiratory Therapy 105 and 108 and 112 and 114 or equivalent.*
Corequisite: *Respiratory Therapy 116 and 118 and 122.*
Overview of fetal physiology, fetal monitoring, trauma to the neonate and neonatal management in critical care will be emphasized. Pediatric techniques utilized by the therapist are reviewed.
Transfers to CSU

Respiratory Therapy 199 Special Studies or Projects in Respiratory Therapy

1-3 units, 3-9 hours
Prerequisite: *Respiratory Therapy 120 and 121 or equivalent and consent of instructor.*
Individual study, research or projects in the field of respiratory therapy under instructor guidance. Written reports and periodic conferences required. Content and unit credit to be determined by student/instructor conferences and/or division. May be repeated for a maximum of nine units.

Respiratory Therapy 200 A-B-C † Work-Study Externship–Patient Care Management

1 unit, 75 hours work experience
Prerequisite: *A "C" grade or higher in Respiratory Therapy 122 or equivalent and recommendation of the Respiratory Therapy faculty or equivalent.*
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. For work experience requirements, see page 30.
Transfers to CSU

Respiratory Therapy 201 † Cardiopulmonary Pathology and Pathophysiology

4 units, 4 hours lecture
Prerequisite: *A "C" grade or higher in Respiratory Therapy 105, 108 and 112 or equivalent.*
Corequisite: *Concurrent enrollment or a "C" grade or higher in Respiratory Therapy 118 and 122.*
Introduction to basic respiratory pathology and resulting abnormal physiology. The role of the respiratory therapist in management of cardio-respiratory 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.
Transfers to CSU

Respiratory Therapy 202 A-B-C † Work-Study Externship–Patient Care Management

2 units, 150 hours work experience.
Prerequisite: *A "C" grade or higher in Respiratory Therapy 122 or equivalent and recommendation of the Respiratory Therapy faculty or equivalent.*
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. For work experience requirement, see page 30.
Transfers to CSU

Respiratory Therapy 205 † Cardiopulmonary Patient Management

4 units, 4 hours lecture
Prerequisite: *A "C" grade or higher in Respiratory Therapy 201 and 208 and 222 or equivalent.*
Corequisite: *Respiratory Therapy 232 and 268.*
Development of skills for data collection and decision making in the critically ill patient. Critical thinking and problem-solving skills are refined in the management of patients with cardiopulmonary dysfunctions in the critical care environment.
Transfers to CSU

Respiratory Therapy 208 † Invasive and Noninvasive Cardiopulmonary Monitoring

4.5 units, 3 hours lecture, 4.5 hours laboratory
Prerequisite: *A "C" grade or higher in Respiratory Therapy 118 and 122 or equivalent.*
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.
Transfers to CSU

† This course meets all Title 5 standards for Associate Degree Credit.

Respiratory Therapy 222 † Supervised Clinical Practicum III

3.5 units, 10.5 hours laboratory
Prerequisite: *A "C" grade or higher in Respiratory Therapy 118 and 122 or equivalent. Current CPR certification and malpractice insurance are required.*
Advanced respiratory procedures and therapeutic techniques are practiced 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.
Transfers to CSU

Respiratory Therapy 232 † Supervised Clinical Practicum IV

3.5 units, 10.5 hours laboratory
Prerequisite: *A "C" grade or higher in Respiratory Therapy 201 and 208 and 222 or equivalent.*
Corequisite: *Respiratory Therapy 205 and 268.*
Advanced cardiopulmonary specialty techniques are practiced in the hospital environment or simulation lab under direct supervision of specialty experts. Assessment of patient pulmonary status by the student is required prior to the convening of clinical.
Transfers to CSU

Respiratory Therapy 268 † Home Care Laboratory Techniques

1 unit, 3 hours laboratory
Prerequisite: *A "C" grade or higher in Respiratory Therapy 201 and 208 and 222 or equivalent.*
Corequisite: *Respiratory Therapy 205 and 232.*
The laboratory course will provide the student with the requisite technical rehearsal of apparatus utilized by patients in their home. This will include home oxygen therapy modalities, home sterilization techniques and home ventilator life support systems.
Transfers to CSU

Respiratory Therapy 298 †† Selected Topics in Respiratory Therapy

1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in respiratory therapy not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Career and Technical Education/Workforce Development in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class. Pass/No Pass only.
Non-associate degree applicable

Respiratory Therapy 299A † Selected Topics in Respiratory Therapy

1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in respiratory therapy not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Career and Technical Education/Workforce Development in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class.
Associate degree applicable

Respiratory Therapy 299B † Selected Topics in Respiratory Therapy

1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in respiratory therapy not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Career and Technical Education/Workforce Development in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class.
Baccalaureate level-CSU transfer

† This course meets all Title 5 standards for Associate Degree Credit.
†† This course meets all Title 5 standards for Nondegree Credit.

Russian (RUSS)

Russian 120 † Russian I

5 units, 5 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.
Satisfies General Education for: Grossmont College C2; CSU C2; IGETC 6A
Transfers to: CSU, UC

Russian 121 † Russian II

5 units, 5 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in Russian 120 or two years of high school Russian or equivalent.*
Russian 121 is the continuation of Russian 120. The course will continue to develop oral and written skills based on practical everyday needs.
Satisfies General Education for: Grossmont College C2; CSU C2; IGETC 3B, 6A
Transfers to: CSU, UC

Russian 196 A-B-C-D † Community Service Learning Experience

1 unit, 5 hours work experience per week
Prerequisite: *A "C" grade or higher or "Pass" in Russian 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. For work experience requirements, see page 30.
Transfers to CSU

Russian 199 Special Studies or Projects in Russian

1-3 units, 3-9 hours
Prerequisite: *Consent of instructor.*
Individual study, research or projects in the field of Russian under instructor guidance. Written reports and periodic conferences required. Content and unit credit to be determined by student/instructor conferences and/or division. May be repeated for a maximum of nine units.

Russian 220 † Russian III

5 units, 5 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in Russian 121 or three years of high school Russian or equivalent.*
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.
Satisfies General Education for: Grossmont College C2; CSU C2; IGETC 3B, 6A
Transfers to: CSU, UC

Russian 221 †
Russian IV
5 units, 5 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in Russian 220 or four years of high school Russian or equivalent.*
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.
Satisfies General Education for: Grossmont College C2; CSU C2; IGETC 3B, 6A
Transfers to: CSU, UC

Russian 250 †
Conversational Russian I
3 units, 3 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in Russian 121 or three years of high school Russian or equivalent.*
The course will continue to develop oral, listening, reading and writing skills with emphasis on oral proficiency.
Satisfies General Education for: Grossmont College C2; CSU C2
Transfers to: CSU, UC

Russian 251 †
Conversational Russian II
3 units, 3 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in Russian 250 or four years of high school Russian or equivalent.*
The course will continue to develop at a higher level oral, listening, reading and writing skills with emphasis on oral proficiency.
Satisfies General Education for: Grossmont College C2; CSU C2
Transfers to: CSU, UC

Russian 298 ††
Selected Topics in Russian
1-5 units, 3-15 hours
Prerequisite: *Varies with topic.*
Selected topics in Russian not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Arts, Languages and Communication in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class. Pass/No Pass only.
Non-associate degree applicable

Russian 299A †
Selected Topics in Russian
1-5 units, 3-15 hours
Prerequisite: *Varies with topic.*
Selected topics in Russian not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Arts, Languages and Communication in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class.
Associate degree applicable

Russian 299B †
Selected Topics in Russian
1-5 units, 3-15 hours
Prerequisite: *Varies with topic.*
Selected topics in Russian not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Arts, Languages and Communication in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class.
Baccalaureate level-CSU transfer

Science (SCI)

Science 110 †
Introduction to Scientific Thought
3 units, 3 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, biological, social and behavioral science. 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. Certain pseudoscientific areas are explored, and students are exposed to the notion that there may be more excitement in stem cell research and nanotechnology than in horoscopes, magnet therapy, and the like.
Satisfies General Education for: Grossmont College B2; CSU A3 or B1; IGETC 5A
Transfers to: CSU, UC

Science 199
Special Studies or Projects in Science
1-3 units, 3-9 hours
Prerequisite: *Consent of instructor.*
Individual study, research or projects in the field of science under instructor guidance. Written reports and periodic conferences required. Content and unit credit to be determined by student/instructor conferences and/or division. May be repeated for a maximum of nine units.

Science 298 ††
Selected Topics in Science
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in science not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Mathematics, Natural Sciences, and Exercise Science and Wellness in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class. Pass/No Pass only.
Non-associate degree applicable

Science 299A †
Selected Topics in Science
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in science not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Mathematics, Natural Sciences, and Exercise Science and Wellness in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class.
Associate degree applicable

Science 299B †
Selected Topics in Science
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in science not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Mathematics, Natural Sciences, and Exercise Science and Wellness in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class.
Baccalaureate level-CSU transfer

Sociology (SOC)

Sociology 114 †
(Cross-Cultural Studies 114)
Introduction to the Sociology of Minority Group Relations
3 units, 3 hours lecture
An analysis of conflict and process between majority and minority groups and a socio-historical overview of minority group relations in the United States. Topics include a sociological analysis of theories of ethnic prejudice and racial discrimination.
Satisfies General Education for: Grossmont College D1; CSU D3 or D7 or D10; IGETC 4C or 4J
Transfers to: CSU, UC (credit limited: see page 39)

† This course meets all Title 5 standards for Associate Degree Credit.
†† This course meets all Title 5 standards for Nondegree Credit.

Sociology 120 †
Introductory Sociology
3 units, 3 hours lecture

A study of basic theoretical perspectives, concepts, and methods of sociology, designed to acquaint the student with the range and scope of the field. Topics include the nature of social life, social structure, social control, deviance, social stratification, globalization, ethnic and racial relations, gender, sexuality, complex organizations, social institutions, the material and symbolic dimensions of human interactions, the social construction of the self and social change.
Satisfies General Education for: Grossmont College D2; CSU D10; IGETC 4J
Transfers to: CSU, UC

Sociology 125 †
Marriage, Family and Alternative Life Styles
3 units, 3 hours lecture

A study of intimate relationships within marriage, family and alternative life styles with emphasis on factors that maximize chances for enduring growing relationships. Topics include historical background, cross-cultural comparisons, legal aspects of separation/dissolution, human sexuality, contraception and conception. Options such as traditional parenthood, single parenting, adoption and abortion are discussed.
Satisfies General Education for: Grossmont College D2; CSU D7 or D10 or E; IGETC 4J
Transfers to: CSU, UC

Sociology 130 †
Contemporary Social Problems
3 units, 3 hours lecture

A study of contemporary American and global social problems, with emphasis on the sociological theories and scientific research methods. Topics include violence, terrorism, racism, gender inequality, poverty and global economic inequality, crime, drug addiction, environmental degradation and the concentration of political and economic power. A critical evaluation of policies and programs for social betterment is also analyzed.
Satisfies General Education for: Grossmont College D2; CSU D7 or D10; IGETC 4J
Transfers to: CSU, UC

Sociology 138 †
(Psychology 138)
Social Psychology
3 units, 3 hours lecture

An examination of the individual's perception of, and reaction to, other people and social influences. Topics such as attitude formation, prejudice and discrimination, helping behavior, aggression, conformity, obedience, cooperation and conflict reduction, and group behavior are explored.
Satisfies General Education for: Grossmont College D2; CSU D7 or D9 or D10 ; IGETC 4I or 4J
Transfers to: CSU, UC (credit limited: see page 39)

Sociology 140 †
Sex and Gender Across Cultures
3 units, 3 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 care, arts, sports and communication. Gender and sexual relations in the contemporary USA are examined from the perspective of different ethnic and racial groups.
Satisfies General Education for: Grossmont College D2; CSU D4; IGETC 4J
Transfers to: CSU, UC

Sociology 160 †
Sociology of Aging
3 units, 3 hours lecture

A sociological analysis of aging from young adulthood through death. An examination of how older persons interact with their social and physical environments, including the immediate environment of family and friends as well as the larger structures of society such as government, health care systems, the economy and the workplace, educational institutions and systems of social inequality. Special attention is given to critical issues of aging as they relate to differences in socio-economic status, gender, race, ethnicity, sexual orientation and geographical location.
Transfers to: CSU, UC (credit limited: see page 39)

Sociology 199
Special Studies or Projects in Sociology
1-3 units, 3-9 hours
Prerequisite: *Consent of instructor.*

Individual study, research or projects in the field of sociology under instructor guidance. Written reports and periodic conferences required. Content and unit credit to be determined by student/instructor conferences and/or division. May be repeated for a maximum of nine units.

Sociology 215 †
(Anthropology 215, Psychology 215)
Statistics for the Behavioral Sciences
3 units, 2 hours lecture, 3 hours laboratory
Prerequisite: *A "C" grade or higher in Math 103 or 110 or equivalent.*

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.
Satisfies General Education for: Grossmont College A3; CSU B4; IGETC 2A
Transfers to: CSU, UC (credit limited: see page 39)

Sociology 298 ††
Selected Topics in Sociology
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*

Selected topics in sociology not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of English and Social/Behavioral Sciences in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class. Pass/No Pass only.
Non-associate degree applicable

Sociology 299A †
Selected Topics in Sociology
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*

Selected topics in sociology not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of English and Social/Behavioral Sciences in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class.
Associate degree applicable

Sociology 299B †
Selected Topics in Sociology
1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*

Selected topics in sociology not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of English and Social/Behavioral Sciences in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class.
Baccalaureate level-CSU transfer

See Cross-Cultural Studies for U.S. History and Cultures: Native American Perspectives (CCS 130, 131), American Indian Life Styles and Spirituality (CCS 132), and The History and Cultures of California Indians (CCS 133) on page 162.

† This course meets all Title 5 standards for Associate Degree Credit.
†† This course meets all Title 5 standards for Nondegree Credit.

Spanish (span)

Spanish 120 †
Spanish I
5 units, 5 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. 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 Spanish as much as possible. Students will learn structures that will enable them to function in Spanish in everyday contexts while becoming familiar with the Spanish speaking world.
Satisfies General Education for: Grossmont College C2; CSU C2; IGETC 6A
Transfers to: CSU, UC (credit limited: see page 39)

Spanish 120A †
Spanish I
2.5 units, 2.5 hours lecture

Spanish 120A is equivalent to the first half of Spanish 120. This course will allow more time for the student who has not been exposed to the Spanish language in a formal classroom setting to achieve the objectives of the course. Additionally, Spanish 120A will introduce students to the Spanish language and the cultures of its speakers. The purpose of Spanish 120A is to facilitate the practical application of the language in everyday oral and written communication at the true 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 in structures that will enable them to function in Spanish in everyday contexts. This course must be taken with Spanish 120B in order to meet the General Education requirement. If this course is taken in conjunction with Spanish 120, the cumulative number of units which may be awarded is five (5) units.
Satisfies General Education for: Grossmont College C2; CSU C2; IGETC 6A (requires both A & B)
Transfers to: CSU, UC (credit limited: see page 39)

Spanish 120B †
Spanish I
2.5 units, 2.5 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in Spanish 120A or equivalent.*

Spanish 120B is equivalent to the second half of Spanish 120 and the continuation of Spanish 120A. This course will continue to introduce students to the Spanish language and the cultures of its speakers. The purpose of Spanish 120B 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 in structures that will enable them to function in Spanish in everyday contexts. This course must be taken with Spanish 120A in order to meet the General Education requirement. If this course is taken in conjunction with Spanish 120, the cumulative number of units which may be awarded is five (5) units.
Satisfies General Education for: Grossmont College C2; CSU C2; IGETC 6A (requires both A & B)
Transfers to: CSU, UC (credit limited: see page 39)

Spanish 121 †
Spanish II
5 units, 5 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in Spanish 120 or two years of high school Spanish or equivalent.*

Spanish 121 is the continuation of Spanish 120. The course will continue to develop oral and written skills based on practical everyday needs.
Satisfies General Education for: Grossmont College C2; CSU C2; IGETC 3B, 6A
Transfers to: CSU, UC (credit limited: see page 39)

Spanish 122 †
(Cross-Cultural Studies 122)
Spanish for the Native Speaker I
5 units, 5 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 cultures 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. This course will be taught in Spanish.
Satisfies General Education for: Grossmont College C2; CSU C2; IGETC 6A
Transfers to: CSU, UC (credit limited: see page 39)

Spanish 123 †
(Cross-Cultural Studies 123)
Spanish for the Native Speaker II
5 units, 5 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in Spanish 122 or 220 or four years of high school Spanish or equivalent.*

This course is a continuation of Spanish 122 with emphasis on grammar, vocabulary building, precision in word choice, readings, and writing in selected topics within cultural contexts in art, literature, culture, history, and film as these appear in the Spanish speaking world.
Satisfies General Education for: Grossmont College C2; CSU C2; IGETC 3B, 6A,
Transfers to: CSU, UC (credit limited: see page 39)

Spanish 141 †
Spanish and Latin American Cultures
3 units, 3 hours lecture

A survey of major characteristics of Spanish, Latin American and Chicano cultures as reflected in literature, the arts, philosophy and folklore.
Satisfies General Education for: Grossmont College C1; CSU C2; IGETC 3B
Transfers to: CSU, UC

Spanish 145 †
Hispanic Civilizations
3 units, 3 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.
Satisfies General Education for: Grossmont College C1; CSU C2
Transfers to CSU

Spanish 196 A-B-C-D †
Community Service Learning Experience
1 unit, 5 hours work experience per week
Prerequisite: *A "C" grade or higher or "Pass" in Spanish 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. For work experience requirements, see page 30.
Transfers to CSU

† This course meets all Title 5 standards for Associate Degree Credit.

Spanish 199
Special Studies or Projects in Spanish
1-3 units, 3-9 hours
Prerequisite: *Consent of instructor.*
Individual study, research or projects in the field of Spanish under instructor guidance. Written reports and periodic conferences required. Content and unit credit to be determined by student/instructor conferences and/or division. May be repeated for a maximum of nine units.

Spanish 220 †
Spanish III
5 units, 5 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in Spanish 121, or three years of high school Spanish or equivalent.*
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.
Satisfies General Education for: Grossmont College C2; CSU C2; IGETC 3B, 6A
Transfers to: CSU, UC

Spanish 221 †
Spanish IV
5 units, 5 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in Spanish 220 or four years of high school Spanish or equivalent.*
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.
Satisfies General Education for: Grossmont College C2; CSU C2; IGETC 3B, 6A
Transfers to: CSU, UC

Spanish 250 †
Conversational Spanish I
3 units, 3 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in Spanish 121 or three years of high school Spanish or equivalent.*
The course will continue to develop oral, listening, reading and writing skills with emphasis on oral proficiency.
Satisfies General Education for: Grossmont College C2; CSU C2
Transfers to: CSU, UC

Spanish 251 †
Conversational Spanish II
3 units, 3 hours lecture
Prerequisite: *A "C" grade or higher or "Pass" in Spanish 250 or four years of high school Spanish or equivalent.*
The course will continue to develop at a higher level, oral, listening, reading and writing skills with emphasis on oral proficiency.
Satisfies General Education for: Grossmont College C2; CSU C2
Transfers to: CSU, UC

Spanish 298 ††
Selected Topics in Spanish
1-5 units, 3-15 hours
Prerequisite: *Varies with topic.*
Selected topics in Spanish not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Arts, Languages and Communication in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class. Pass/No Pass only.
Non-associate degree applicable

Spanish 299A †
Selected Topics in Spanish
1-5 units, 3-15 hours
Prerequisite: *Varies with topic.*
Selected topics in Spanish not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Arts, Languages and Communication in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class.
Associate degree applicable

Spanish 299B †
Selected Topics in Spanish
1-5 units, 3-15 hours
Prerequisite: *Varies with topic.*
Selected topics in Spanish not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Arts, Languages and Communication in relation to community/student need(s) and/or available staff. May be offered as a seminar or lecture class.
Baccalaureate level-CSU transfer

Speech Communication

See: Communication

Tele-communications

See: Media Communications

Theatre Arts (THTR)

Theatre Arts 101 †
Introduction to Narrative Theory
3 units, 3 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.
Transfers to CSU

Theatre Arts 102A †
Theatre Production Practicum: Costumes I
2 units, 6 hours laboratory
Supervised participation in the technical component of basic costuming for a major theatre arts production.
Transfers to CSU

Theatre Arts 102B †
Theatre Production Practicum: Costumes II
2 units, 6 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in Theatre Arts 102A or equivalent.*
Supervised participation in the technical component of fundamental level costuming for a major theatre arts production.
Transfers to CSU

Theatre Arts 102C †
Theatre Production Practicum: Costumes III
2 units, 6 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in Theatre Arts 102B or equivalent.*
Supervised participation in the technical component of intermediate level costuming for a major theatre arts production.
Transfers to CSU

Theatre Arts 102D †
Theatre Production Practicum: Costumes IV
2 units, 6 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in Theatre Arts 102C or equivalent.*
Supervised participation in the technical component of advanced level costuming/design for a major theatre arts production.
Transfers to CSU

† This course meets all Title 5 standards for Associate Degree Credit.
†† This course meets all Title 5 standards for Nondegree Credit.

Theatre Arts 103A †
Theatre Production Practicum: Sets I
2 units, 6 hours laboratory
Supervised participation in the technical component of basic set construction for a major theatre arts production.
Transfers to: CSU, UC

Theatre Arts 103B †
Theatre Production Practicum: Sets II
2 units, 6 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in Theatre Arts 103A or equivalent.*
Supervised participation in the technical component of fundamental level set construction for a major theatre arts production.
Transfers to CSU

Theatre Arts 103C †
Theatre Production Practicum: Sets III
2 units, 6 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in Theatre Arts 103B or equivalent.*
Supervised participation in the technical component of intermediate level set construction for a major theatre arts production.
Transfers to CSU

Theatre Arts 103D †
Theatre Production Practicum: Sets IV
2 units, 6 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in Theatre Arts 103C or equivalent.*
Supervised participation in the technical component of advanced level set construction/design for a major theatre arts production.
Transfers to CSU

Theatre Arts 104A †
Theatre Production Practicum: Lighting/Sound I
2 units, 6 hours laboratory
Supervised participation in the technical component of basic lighting and sound for a major theatre arts production.
Transfers to: CSU, UC

Theatre Arts 104B †
Theatre Production Practicum: Lighting/Sound II
2 units, 6 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in Theatre Arts 104A or equivalent.*
Supervised participation in the technical component of fundamental level lighting and sound for a major theatre arts production.
Transfers to CSU

Theatre Arts 104C †
Theatre Production Practicum: Lighting/Sound III
2 units, 6 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in Theatre Arts 104B or equivalent.*
Supervised participation in the technical component of intermediate level lighting and sound for a major theatre arts production.
Transfers to CSU

Theatre Arts 104D †
Theatre Production Practicum: Lighting/Sound IV
2 units, 6 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in Theatre Arts 104C or equivalent.*
Supervised participation in the technical component of advanced level lighting and sound/design for a major theatre arts production.
Transfers to CSU

Theatre Arts 110 †
Introduction to the Theatre
3 units, 3 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.
Satisfies General Education for: Grossmont College C3; CSU C1; IGETC 3A
Transfers to: CSU, UC

Theatre Arts 111A †
Rehearsal and Performance: Acting I
2 units, 6 hours laboratory
Prerequisite: *Audition*
Supervised participation in the area of ensemble acting for a major theatre arts production.
Transfers to: CSU, UC

Theatre Arts 111B †
Rehearsal and Performance: Acting II
2 units, 6 hours laboratory
Prerequisite: *Audition and a "C" grade or higher or "Pass" in Theatre Arts 111A or equivalent.*
Supervised participation in the area of acting, fundamental level, for a major theatre arts production.
Transfers to CSU

Theatre Arts 111C †
Rehearsal and Performance: Acting III
2 units, 6 hours laboratory
Prerequisite: *Audition and a "C" grade or higher or "Pass" in Theatre Arts 111B or equivalent.*
Supervised participation in the area of acting, intermediate level, for a major theatre arts production.
Transfers to CSU

Theatre Arts 111D †
Rehearsal and Performance: Acting IV
2 units, 6 hours laboratory
Prerequisite: *Audition and a "C" grade or higher or "Pass" in Theatre Arts 111C or equivalent.*
Supervised participation in the area of acting, advanced level/leading roles, for a major theatre arts production.
Transfers to CSU

Theatre Arts 112A †
Rehearsal and Performance: Stage Management I
2 units, 6 hours laboratory
Prerequisite: *Audition*
Supervised participation in the area of stage management for a major theatre arts production.
Transfers to: CSU, UC

Theatre Arts 112B †
Rehearsal and Performance: Stage Management II
2 units, 6 hours laboratory
Prerequisite: *Audition and a "C" grade or higher or "Pass" in Theater Arts 112A or equivalent.*
Supervised participation in the area of stage management, fundamental level, for a major theatre arts production.
Transfers to CSU

Theatre Arts 112C †
Rehearsal and Performance: Stage Management III
2 units, 6 hours laboratory
Prerequisite: *Audition and a "C" grade or higher or "Pass" in Theater Arts 112B or equivalent.*
Supervised participation in the area of stage management, intermediate level, for a major theatre arts production.
Transfers to CSU

† This course meets all Title 5 standards for Associate Degree Credit.

Theatre Arts 112D †
Rehearsal and Performance: Stage Management IV
2 units, 6 hours laboratory
Prerequisite: *Audition and a "C" grade or higher or "Pass" in Theater Arts 112C or equivalent.*
Supervised participation in the area of stage management, advanced level, for a major theatre arts production.
Transfers to CSU

Theatre Arts 113A †
Rehearsal and Performance: Production Crew I
2 units, 6 hours laboratory
Prerequisite: *Audition*
Supervised participation in the areas of production crew for a major theatre arts production.
Transfers to: CSU, UC

Theatre Arts 113B †
Rehearsal and Performance: Production Crew II
2 units, 6 hours laboratory
Prerequisite: *Audition and a "C" grade or higher or "Pass" in Theatre Arts 113A or equivalent.*
Supervised participation in the areas of production crew fundamental level, for a major theatre arts production.
Transfers to CSU

Theatre Arts 113C †
Rehearsal and Performance: Production Crew III
2 units, 6 hours laboratory
Prerequisite: *Audition and a "C" grade or higher or "Pass" in Theatre Arts 113B or equivalent.*
Supervised participation in the areas of production crew at an intermediate level, for a major theatre arts production.
Transfers to CSU

Theatre Arts 113D †
Rehearsal and Performance: Production Crew IV
2 units, 6 hours laboratory
Prerequisite: *Audition and a "C" grade or higher or "Pass" in Theatre Arts 113C or equivalent.*
Supervised participation in the areas of production crew at an advanced level, for a major theatre arts production.
Transfers to CSU

† This course meets all Title 5 standards for Associate Degree Credit.



Theatre Arts 115 †
Voice and Movement for the Stage
3 units, 2 hours lecture, 3 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" or concurrent enrollment in Theatre Arts 131 or equivalent.*
Expanded training of movement and voice through exercises using voice production, dance and mime and the study of stylistic devices that apply to major theatrical periods. Leading exponents of voice and movement training will be studied and applied. Emphasis placed on both individual and ensemble performance.
Transfers to: CSU, UC

Theatre Arts 119A †
Theatre Mime I
3 units, 2 hours lecture, 3 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.
Transfers to: CSU, UC (credit limited: see page 39)

Theatre Arts 119B †
Theatre Mime II
3 units, 2 hours lecture, 3 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in Theatre Arts 119A or equivalent.*
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 focus on movement, control, and believability. Students may also be involved in a theatre mime production.
Transfers to: CSU, UC (credit limited: see page 39)

Theatre Arts 122A †
Theatre Workshop Laboratory: Acting I
1 unit, 4 hours laboratory
Prerequisite: *Audition*
Supervised participation in the area of ensemble acting for a theatre arts production.
Transfers to: CSU, UC

Theatre Arts 122B †
Theatre Workshop Laboratory: Acting II
1 unit, 4 hours laboratory
Prerequisite: *Audition and a "C" grade or higher or "Pass" in Theatre Arts 122A or equivalent.*
Supervised participation in the area of fundamental acting for a theatre arts production.
Transfers to CSU

Theatre Arts 122C †
Theatre Workshop Laboratory: Acting III
1 unit, 4 hours laboratory
Prerequisite: *Audition and a "C" grade or higher or "Pass" in Theatre Arts 122B or equivalent.*
Supervised participation in the area of intermediate acting for a theatre arts production.
Transfers to CSU

Theatre Arts 122D †
Theatre Workshop Laboratory: Acting IV
1 unit, 4 hours laboratory
Prerequisite: *Audition and a "C" grade or higher or "Pass" in Theatre Arts 122C or equivalent.*
Supervised participation in the area of advanced level/leading roles acting for a theatre arts production.
Transfers to CSU

Theatre Arts 123A †
Theatre Workshop Laboratory: Construction I
1 unit, 4 hours laboratory
Prerequisite: *Audition*
Supervised participation in the basic technical/construction components of a theatre arts production.
Transfers to: CSU, UC

Theatre Arts 123B †
Theatre Workshop Laboratory: Construction II
1 unit, 4 hours laboratory
Prerequisite: *Audition and a "C" grade or higher or "Pass" in Theatre Arts 123A or equivalent.*
Supervised participation in the fundamental technical/construction components of a theatre arts production.
Transfers to CSU

Theatre Arts 123C †
Theatre Workshop Laboratory: Construction III
1 unit, 4 hours laboratory
Prerequisite: *Audition and a "C" grade or higher or "Pass" in Theatre Arts 123B or equivalent.*
Supervised participation in the intermediate technical/construction components of a theatre arts production.
Transfers to CSU

Theatre Arts 123D †
Theatre Workshop Laboratory: Construction IV
1 unit, 4 hours laboratory
Prerequisite: *Audition and a "C" grade or higher or "Pass" in Theatre Arts 123C or equivalent.*
Supervised participation in the advanced technical/construction components of a theatre arts production.
Transfers to CSU

Theatre Arts 124A †
Theatre Workshop Laboratory: Production Crew I
1 unit, 4 hours laboratory
Prerequisite: *Audition*
Supervised participation in the basic management and technical crew components of a Theatre Arts production.
Transfers to: CSU, UC

Theatre Arts 124B †
Theatre Workshop Laboratory: Production Crew II
1 unit, 4 hours laboratory
Prerequisite: *Audition and a "C" grade or higher or "Pass" in Theatre Arts 124A or equivalent.*
Supervised participation in the fundamental management and technical crew components of a Theatre Arts production.
Transfers to CSU

Theatre Arts 124C †
Theatre Workshop Laboratory: Production Crew III
1 unit, 4 hours laboratory
Prerequisite: *Audition and a "C" grade or higher or "Pass" in Theatre Arts 124B or equivalent.*
Supervised participation in the intermediate management and technical crew components of a Theatre Arts production.
Transfers to CSU

Theatre Arts 124D †
Theatre Workshop Laboratory: Production Crew IV
1 unit, 4 hours laboratory
Prerequisite: *Audition and a "C" grade or higher or "Pass" in Theatre Arts 124C or equivalent.*
Supervised participation in the advanced level management and technical crew components of a Theatre Arts production.
Transfers to CSU

Theatre Arts 130 †
Beginning Acting
3 units, 2 hours lecture, 3 hours laboratory
This course is designed for the beginning actor, laying a foundation in the fundamental skills and methods of acting. Exercises in reading, memorization, body/voice and improvisation. Analysis and presentation of monologues and scenes. The development of characterization, the collaborative process and an understanding of theatrical terminologies and etiquette.
Transfers to: CSU, UC

Theatre Arts 131 †
Intermediate Acting
3 units, 2 hours lecture, 3 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in Theatre Arts 130 or equivalent and a "C" grade or higher or "Pass" or concurrent enrollment in Theatre Arts 101 or equivalent.*
Theory and practice in body and vocal techniques in acting with special emphasis on playwright's script and language as the major interpretative tool.
Transfers to: CSU, UC

Theatre Arts 132 †
Acting for the Camera
3 units, 2 hours lecture, 3 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in Theatre Arts 131 or equivalent.*
Introduces students to the techniques and skills for on camera editing. 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.
Transfers to CSU

Theatre Arts 134A †
Fundamentals of Costume Design and Construction I
3 units, 2 hours lecture, 3 hours laboratory
Recommended Preparation: *A "C" grade or higher or "Pass" or concurrent enrollment in Theater Arts 101 or equivalent.*
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.
Transfers to: CSU, UC

Theatre Arts 134B †
Fundamentals of Costume Design and Construction II
3 units, 2 hours lecture, 3 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in Theatre Arts 134A or equivalent.*
Recommended Preparation: *A "C" grade or higher or "Pass" or concurrent enrollment in Theater Arts 101 or equivalent.*
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
Transfers to: CSU, UC

† This course meets all Title 5 standards for Associate Degree Credit.



Theatre Arts 136 †
Theatre Makeup
2 units, 1 hour lecture, 3 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" or concurrent enrollment in Theatre Arts 101 or equivalent.*
Basic principles, applications, techniques, and design of makeup for theatre, television, and film.
Transfers to: CSU, UC

Theatre Arts 137 †
Theatre Makeup II
2 units, 1 hour lecture, 3 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in Theater Arts 136 or equivalent.*
The study and implementation of advanced makeup techniques including: casting prosthesis, ventilation and air brushed makeup. Emphasis will be placed on the creation of realistic and non-realistic character development and makeup design.
Transfers to: CSU, UC

Theatre Arts 140A †
Costume Patternmaking I
2 units, 1 hour lecture, 3 hours laboratory
Recommended Preparation: *A "C" grade or higher or "Pass" or concurrent enrollment in Theatre Arts 134A or B or equivalent.*
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.
Transfers to CSU

Theatre Arts 140B †
Costume Patternmaking II
2 units, 1 hour lecture, 3 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in Theatre Arts 140A or equivalent.*
Recommended Preparation: *A "C" grade or higher or "Pass" or concurrent enrollment in Theatre Arts 134A or B or equivalent.*
An introduction to 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.
Transfers to CSU

Theatre Arts 143 †
Historic Costume for the Theatre
3 units, 3 hours lecture
Survey of historic costume in the Western World, beginning with Ancient Egypt to the end of the nineteenth century.
Satisfies General Education for: Grossmont College C1; CSU C1 or C2; IGETC 3B
Transfers to: CSU, UC

Theatre Arts 144†
20th Century Fashion and Costume
3 units, 3 hours lecture
A survey of 20th century fashion in the western world. An in-depth study of fashion trends, designers, fabrics, and accessories from 1900-2000. A view of how religious, political and economic conditions affect popular clothing trends and the design of theatrical costumes.
Satisfies General Education for: Grossmont College C1; CSU C1 or C2
Transfers to CSU

Theatre Arts 145 †
Arena Theatre Production I
2 units, 6 hours laboratory
Prerequisite: *Audition*
Supervised participation in the basic level of specialized theatre productions including community outreach tours, intersession/short term productions and student one-act play productions.
Transfers to: CSU, UC

Theatre Arts 146 †
Arena Theatre Production II
2 units, 6 hours laboratory
Prerequisite: *Audition and a "C" grade or higher or "Pass" in Theatre Arts 145 or equivalent.*
Supervised participation in the intermediate level of specialized theatre productions including community outreach tours, intersession/short term productions and student one-act play productions.
Transfers to CSU

Theatre Arts 147 †
Arena Theatre Production III
2 units, 6 hours laboratory
Prerequisite: *Audition and a "C" grade or higher or "Pass" in Theatre Arts 146 or equivalent.*
Supervised participation in the advanced level of specialized theatre productions including community outreach tours, intersession/short term productions and student one-act play productions.
Transfers to CSU

Theatre Arts 148 †
Arena Theatre Production IV
2 units, 6 hours laboratory
Prerequisite: *Audition and a "C" grade or higher or "Pass" in Theatre Arts 147 or equivalent.*
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.
Transfers to CSU

Theatre Arts 155 †
Stagecrafts
3 units, 2 hours lecture, 3 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" or concurrent enrollment in Theater Arts 101 or equivalent.*
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.
Transfers to: CSU, UC

Theatre Arts 156 †
Fundamentals of Scenic Design
3 units, 2 hours lecture, 3 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" or concurrent enrollment in Theater Arts 155 or equivalent.*
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.
Transfers to: CSU, UC

Theatre Arts 157 †
Fundamentals of Stage Lighting and Sound
3 units, 2 hours lecture, 3 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" or concurrent enrollment in Theater Arts 155 or equivalent.*
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.
Transfers to: CSU, UC

† This course meets all Title 5 standards for Associate Degree Credit.

Theatre Arts 189 †
(Art 189, Media Communications 189, Music 189)
Multimedia and the Creative Arts
3 units, 3 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 video-graphers. 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.
Satisfies General Education for Grossmont College C3
Transfers to: CSU, UC (credit limited: see page 39)

Theatre Arts 199
Special Studies or Projects in Theatre Arts
1-3 units, 3-9 hours
Prerequisite: *Consent of instructor.*
Individual study, research or projects in the field of theatre arts under instructor guidance. Written reports and periodic conferences required. Content and unit credit to be determined by student/instructor conferences and/or division. May be repeated for a maximum of nine units.

Theatre Arts 207 †
Techniques of Directing I
3 units, 2 hours lecture, 3 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in Theatre Arts 131 or equivalent.*
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.
Transfers to: CSU, UC

Theatre Arts 208 †
Techniques of Directing II
3 units, 2 hours lecture, 3 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in Theatre Arts 207 or equivalent.*
Intermediate 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.
Transfers to: CSU, UC

Theatre Arts 230 †
Advanced Acting I
3 units, 2 hours lecture, 3 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in Theatre Arts 131 or equivalent and auditions during the first week of classes.*
Recommended Preparation: *A "C" grade or higher or "Pass" in Theatre Arts 115 or equivalent.*
Advanced development and strengthening of individual insights, abilities, and discipline needed to project a dramatic character on stage. Focus on individual development, process, and reading skills with special emphasis on Shakespeare and Classic Realism.
Transfers to: CSU, UC

Theatre Arts 234A †
Fundamentals of Musical Theatre–Performance I
3 units, 2 hours lecture, 3 hours laboratory
Prerequisite: *Audition.*
Recommended Preparation: *Theatre Arts 110 and 130 and Music 001 or equivalent.*
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.
Transfers to: CSU, UC

Theatre Arts 234B †
Fundamentals of Musical Theatre–Performance II
3 units, 2 hours lecture, 3 hours laboratory
Prerequisite: *Audition and a "C" grade or higher or "Pass" in Theatre Arts 234A or equivalent.*
Recommended Preparation: *Theatre Arts 110 and 130 and Music 001 or equivalent.*
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 basic core areas of performing: singing, acting, and movement.
Transfers to: CSU, UC

Theatre Arts 235A †
Fundamentals of Musical Theatre–Scene/Song I
3 units, 2 hours lecture, 3 hours laboratory
Prerequisite: *Audition.*
Recommended Preparation: *Theatre Arts 110 and 130 and Music 001 or equivalent.*
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 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.
Transfers to: CSU, UC

† This course meets all Title 5 standards for Associate Degree Credit.

Theatre Arts 235B †
Fundamentals of Musical Theatre–Scene/Song II

3 units, 2 hours lecture, 3 hours laboratory
Prerequisite: *Audition and a "C" grade or higher or "Pass" in Theatre Arts 235A or equivalent.*
Recommended Preparation: *Theatre Arts 110 and 130 and Music 001 or equivalent.*
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 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.
Transfers to: CSU, UC

Theatre Arts 241 †
Theatre Arts Technical Internship

1 unit, 5 hours work experience per week
Prerequisite: *Completion of Theatre Arts Technical Training Program, concurrent enrollment in Theatre Arts 238A.*
Students will observe operations and work in a professional theatre center. Students will work for five hours per week, on-site, and will report progress to the Grossmont College Theatre Arts advisor weekly. An internship log will be kept of student activities at the production site. For work experience requirements, see page 30.
Transfers to CSU

Theatre Arts 242 †
Theatre Arts Technical Internship

2 units, 10 hours work experience per week
Prerequisite: *Completion of Theatre Arts Technical Training Program, concurrent enrollment in Theatre Arts 238B.*
Students will observe operations and work in a professional theatre center. Students will work for ten hours per week, on-site, and will report progress to the Grossmont College Theatre Arts advisor weekly. An internship log will be kept of student activities at the production site. For work experience requirements, see page 30.
Transfers to CSU

Theatre Arts 243 †
Theatre Arts Technical Internship

3 units, 15 hours work experience per week
Prerequisite: *Completion of Theatre Arts Technical Training Program, concurrent enrollment in Theatre Arts 238C.*
Students will observe operations and work in a professional theatre center. Students will work for fifteen hours per week, on-site, and will report progress to the Grossmont College Theatre Arts advisor weekly. An internship log will be kept of student activities at the production site. For work experience requirements, see page 30.
Transfers to CSU

Theatre Arts 254A †
Advanced Design I

3 units, 2 hours lecture, 3 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in Theater Arts 134A or 134B or 136 or 156 or 157 or equivalent.*
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.
Transfers to: CSU, UC

Theatre Arts 254B †
Advanced Design II

3 units, 2 hours lecture, 3 hours laboratory
Prerequisite: *A "C" grade or higher or "Pass" in Theater Arts 254A or equivalent.*
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.
Transfers to: CSU, UC

Theatre Arts 298 ††
Selected Topics in Theatre Arts

1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in theatre arts not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Arts, Languages and Communication in relation to current needs and resources. May be offered as a seminar, or lecture class. Pass/No Pass only.
Non-associate degree applicable

Theatre Arts 299A †
Selected Topics in Theatre Arts

1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in theatre arts not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Arts, Languages and Communication in relation to current needs and resources. May be offered as a seminar, or lecture class.
Associate degree applicable

Theatre Arts 299B †
Selected Topics in Theatre Arts

1-3 units, 3-9 hours
Prerequisite: *Varies with topic.*
Selected topics in theatre arts not covered by regular catalog offerings. Course content and unit credit to be determined by the Division of Arts, Languages and Communication in relation to current needs and resources. May be offered as a seminar, or lecture class.
Baccalaureate level-CSU transfer

† This course meets all Title 5 standards for Associate Degree Credit.
†† This course meets all Title 5 standards for Nondegree Credit.

Women's Studies

There is no department of Women's Studies at Grossmont College; however, the following courses are of value to those who are interested in the changing role of women today:

Cross-Cultural Studies 127	Images of the Chicana/Latina
Cross-Cultural Studies 143	Images of Black Women
Cross-Cultural Studies/ History 154	Early History of Women in World Civilization
Cross-Cultural Studies/ History 155	Modern History of Women in World Civilization
English 201	Images of Women in Literature
Exercise Science 180	Self-Defense for Women
History 122	Women in Early American History
History 123	Women in Modern American History
Humanities 125	Women and Western Culture
Sociology 140	Sex and Gender Across Cultures

In addition, selected classes bearing the division prefix and the numbers 298, 299A, and 299B are offered on topics relating to women's changing lifestyles and alternatives. See the current class schedule for offerings.

General Information





General Information

Air Force & Army Reserve Officers Training Corps

Air Force Reserve Officer 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 Unit Admissions Officer at (619) 594-5545 or see the website below for more information.

AFROTC Detachment 075 web site: www.det075.com.

American Collegiate English

American Collegiate English (ACE) at Grossmont College provides English and TOEFL preparatory instruction to non-native speakers of English who wish to improve their English skills in order to attend an American college or university. The program serves foreign nationals who have a TOEFL combined score of 350 or higher (intermediate level of English language study or higher).

Started in 1992, the ACE program prepares an average of 150 students per year for entry into higher education in the United States. The program mission reaches beyond TOEFL competencies to prepare our students for collegiate success, as well as meeting the admission standards of their selected institution.

Basic Skills

The Grossmont College English and Math Departments offer classes to prepare you for college level courses. If you are a student returning to school after a hiatus of several years and are unsure of your skills or if you are a student whose grades in high school do not reflect your capabilities, you should consider any one of the programs developed to make your college experience a more successful one. **"Project Success"** gives you an opportunity to improve reading and writing in a learning community format. We can help you make career decisions in our Personal Development-Counseling course. In addition, the English Writing Center, the Reading Center and the Math Study Center provide expert tutorial assistance.

Prepare during your first semester for a positive, successful experience at Grossmont College. You may pick up a brochure in the Counseling Office for additional information.

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: www.grossmont.edu/childdevelopment.

Continuing Education Workforce Training

Grossmont-Cuyamaca Community College District' Continuing Education and Workforce Training Division is at the forefront of workforce development and community-interest training and workshops. This division recognizes that education is a lifelong process and of importance to all age groups. It exists to serve the educational needs of the community and businesses. Educational opportunities such as tuition free noncredit classes, fee-based courses, contract education and grant-funded workforce development programs are all provided though Continuing Education and Workforce Training.

Continuing Education and Workforce Training is the part of the community college district where students have access to a broad range of educational training and personal development options. It is the place where new programs based on community needs are developed and offered. It is also the place where businesses call to have their customized training needs met. Tuition-free noncredit, fee-based courses, contract education and grant-funded classes carry no units of credit and the progress of students in not graded. Classes are held on the college campuses and at various locations throughout East San Diego County.

Continuing Education also offers classes for children via the College for Kids Program each summer.

The PREVIEW is a free publication listing Continuing Education classes and events for the general public. Published three times a year, the PREVIEW may be obtained by calling (619) 660-4350 or the schedule can be viewed online at www.gcccd.edu/ce. Registration is now online. Email: cuyamaca.continuinged@gcccd.edu.

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.

Cross-Cultural Studies

Cross-Cultural Studies offer a multi-disciplinary approach to viewing the humanities in a cultural context. The programs are designed to celebrate diversity, broaden and enrich the educational experience for students, and better prepare them to function in our highly diverse society. Current emphasis includes courses in Chicano/Latino/Border Issues Studies, Native-American Studies, and studies focusing on the African-American experience.

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 in 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.

Learning Skills

The Learning Skills Program develops students' reading, writing, math and other skills necessary to succeed in college-level courses. Many students with high potential find themselves, at entrance, lacking in one or more of the basic skills areas. The Learning Skills Program coordinates skills assessment with counseling, instruction, curriculum development and special services. As a result, students have the opportunity to evaluate present skill levels, receive meaningful advisement and choose courses or workshops which will help them overcome any obstacles to successful academic performance.

New Horizons

This VTEA funded program provides services to qualified students enrolled in vocational programs at Grossmont College. Services offered are transportation assistance, text book vouchers, specialized counseling, referrals, and coordination with other campus services.

The New Horizons office is located in Room 60-125, telephone (619) 644-7552, or visit our website at www.grossmont.edu/eops/calworks.asp.

Office Professional Training Program

Grossmont College, under contract with the California Employment Training Panel, offers clerical training for Microsoft Office with specializations available in accounting, banking/financial services, insurance, and/or general office/administrative support.

The 12-20 unit programs are completed in one semester. Courses are designed to provide basic skills in each career field and include job search and placement assistance. A certificate of completion is awarded upon successful program completion.

All tuition, fees, and books are provided to eligible persons.

For eligibility information and enrollment procedures, contact the OPT Office at (619) 644-7247.

Project Success

Project Success is an instructional program that combines English 090 with English 090R; English 098 with English 098R; and English 110 with English 110R; it also links English 120 with History 108, Humanities 110 or Sociology 120. Check the online class schedule for additional links. Project Success also offers an Honors Interdisciplinary Cluster during fall semesters. For more information, call (619) 644-7493.

These combinations of courses, constituting a Learning Community, are taught in a block with the same students enrolled in all courses in the block. Instructors work together as a team so that students can improve their language and communication skills in each block.

Linked courses provide students with opportunities to analyze and study the themes that exist between courses in different subject areas. Class schedules will reflect any new links that are offered for that particular semester.

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.

Student Services

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 http://adultschool.guhsd.net/index.php/course-offerings/high-school-diploma-ged.

Adult Re-Entry

Adult Re-Entry provides a variety of resources for the returning adult student who is seeking information about educational goals and career options. The program also serves as a bridge between the college and the community providing referral services, information relating to college and community agencies, job placement, professional and academic counseling, self-help programs and financial aid. Assistance is available through a system of support, seminars and specialized services.

Associated Students of Grossmont College, Inc.

The Associated Students of Grossmont College, Inc. (ASGC, Inc.) 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, Inc. in Building 60, Room 110, or online at http://www.asgcinc.org or the Student Affairs Office in Building 60, Room 204, or online at www.grossmont.edu/student_affairs.

The ASGC, Inc. 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, Inc. 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: www.grossmont.edu/student_activities/gc_clubs.asp.

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

Funding

The ASGC, Inc. 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, Inc. 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, Inc. grant request process.

ASGC, Inc. Benefit Stickers may be purchased via WebAdvisor or in person at the Student Activities Window, Building 60, Room 116. The Student Activities Window also provides discount movie tickets, bus and trolley passes and discounts for local services and events.

Student Representation Fee

Pursuant to Sections 76060.5 of the Education Code of the State of California A $1 fee per semester is 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.

Student Representation Fee Waiver

A student may, for religious, political, financial or moral reasons, choose not to pay the Student Representation Fee. The Student Representation fee waiver form is available in the Student Affairs Office, in Building 60, Room 204.

Athletics: Intercollegiate

For all intercollegiate sports with the exception of football and women's badminton, the Grossmont College Griffins compete in the Pacific Coast Athletic Conference which consists of the following colleges: Cuyamaca, Imperial Valley, Mira Costa, Miramar, Mt. San Jacinto, Palomar, San Diego City, San Diego Mesa and Southwestern. Griffin football teams compete in the National Southern Conference with teams from Fullerton, Golden West, Orange Coast, Saddleback, Santa Ana, and Palomar.

Women's badminton is hosted into the Orange Empire Conference with teams from Fullerton, Irvine Valley, San Diego City and San Diego Mesa. 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, cross-country, soccer, softball, swimming/diving, tennis, 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 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 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, 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: During the regular fall and spring semester the refund period is the first two weeks of classes. There is a one week refund period for 8 week classes and summer semesters. For shorter term classes the refund period is one day from purchase.

CalWORKs (Project Workplace)

Project Workplace is the Grossmont College CalWORKs (California Work Opportunities and Responsibility to Kids) program. This state funded program serves students who participate in training and education as part of their Welfare-to-Work plan. Project Workplace 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 Room 60-125, telephone (619) 644-7552, or visit our web site at www.grossmont.edu/eops/calworks.asp

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: KEIRSEY TEMPERAMENT SORTER-II, SIGI 3, 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, Inc. Office Building 60, Room 110, or online at http://www.asgcinc.org or the Student Affairs Office in Building 60, Room 204, or online at www.grossmont.edu/student_activities/gc_clubs.asp for more information.

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.

- Develop marketable leadership and organizational skills
- Use energy and recreational time constructively
- Develop and clarify personal values
- Enhance creative thought and expression
- Develop critical thinking skills
- Learn the importance of cooperation, teamwork, work ethic, and being an active member of a group
- Develop interpersonal and time management skills
- Experience cultural sharing and exchange
- Develop self-initiative, discipline, independence, and responsibility
- Gain practical experience that can be used to enhance a resume
- Make lasting relationships with students, faculty and staff

Inter-Club Council

The Inter-Club Council, or ICC for short, is an organization for 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 join other leaders in gaining new and helpful information. 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, Inc. Board of Directors 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 that do not fulfill these responsibilities may have their accounts frozen, lose their vote in ICC, or lose their charter. Therefore, it is important that club leaders be aware of what their club is responsible for and be active in involving club members in meeting those responsibilities.



Registered student organizations shall:

1. Be controlled and directed by actively enrolled Grossmont College students.
2. Comply with all applicable Federal, State, and Local laws, as well as District and College policies.
3. Abide by Federal, State, Local, District and College non-discrimination laws and policies.
4. Comply with the requirements set forth by Federal, State, Local, District and College policies regarding financial transactions made on behalf of the organization.
5. Be a not-for-profit group.
6. Maintain an up-to-date copy of the student organization constitution on file in the Student Affairs Office.
7. Maintain an up-to-date copy of the club registration forms and pertinent club information with the Student Affairs Office.
8. Provide a club representative to serve on the Inter-Club Council meetings.
9. If funding is desired, submit budget requests to the Inter-Club Council in a timely manner.

Counseling

The Counseling Department is staffed with professional counselors trained to help students with transfer and academic counseling, vocational and career counseling, personal and crisis intervention counseling, semester-by-semester planning, and international student orientation/advising. A series of counseling classes are offered to assist students with the exploration of individual needs and interests. Advising/Orientation sessions are provided to familiarize students with college services and terminology and to assist them in planning their class schedules. Specialized workshops are offered throughout the semester on a variety of student success topics.

Disabled Student Services

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

Services For the Disabled Student

Specialized Services

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

Assistive Technology

- Assistive computer hardware
- Assistive computer software
  - Voice recognition and screen savers
  - Computer assisted learning software
  - Word processing and Internet access
  - Scanning/reading software
- Braille translation software and printer
- Enlarged print materials
- FM loop system (for hearing impaired)
- Talking calculator
- Tape recorder (loan)
- Video phone access in Tech Mall
- Other technology available based on individual needs

Special Classes

The following classes are designed for students with disabilities:

Adaptive Physical Education:
ES 001 – Adapted Physical Exercise
ES 002 – Advanced Adapted Physical Exercise
ES 003 – Adapted Aerobic Fitness
ES 030 – Adapted Aquatic Sports Education
ES 035 – Adapted Swimming for the Physically Limited
ES 041 – Adapted Water Aerobics
ES 150 – Adapted Sports Education
ES 156 – Adapted Basketball

Personal Development-Special Services:
PDSS 080 – Educational Assessment and Prescriptive Planning
PDSS 087A-B – Adapted Computer Studies
PDSS 090 A-B-C-D – Learning Strategies Practicum
PDSS 094 A-B-C-D – Learning Strategies Practicum
PDSS 101 – Study Strategies for Students with Disabilities
PDSS 110 – Developmental Writing for Students with Disabilities I
PDSS 111 – Developmental Writing for Students with Disabilities II

Disabled Students: Academic Accommodations and Appeals

Grossmont College recognizes that a disability may preclude a student from demonstrating required math, reading, and writing competencies or from completing course requirements necessary for an A.A. or A.S. degree in the same manner nondisabled students are expected to perform. The college also recognizes the need to accommodate students with documented disabilities to the greatest extent possible without compromising a disabled student's course of study and without compromising the integrity of any student's degree. Contact the Disabled Students Programs and Services Office for further information.

This catalog is available in alternate formats upon request. Please contact the Disabled Students Programs and Services Office at (619) 644-7112. (619) 644-7119 (tty).

Extended Opportunity Programs and Services (EOPS)

Extended Opportunity Program and Services (EOPS) is a state funded program that 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.

Cooperative Agencies Resources for Education (CARE) is a supplement program of EOPS providing additional services for EOPS eligible students who are CalWORKs/TANF recipients, single head of household, and have children under 14 years of age. Additional services may include CARE grants and meal vouchers 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 website at 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 January 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 February 1. Awards are made as long as funds are available.

All policies and procedures regarding Grossmont College Financial Aid can be found at www.grossmont.edu/fa.

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 (1) a brochure, workshop, or training using standard materials relating to a loan, default aversion, or financial literacy; (2) 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; (3) 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; (4) 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; (5) 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; (6) 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
   - **c)** 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 2013, that means you must be enrolled and attending classes until **October 30, 2013**, to be eligible for **all** the financial aid you received. If you drop all of your classes before **October 30, 2013**, you may be billed for a portion of the Pell Grant and/or SEOG grant that you received in the fall. For spring 2014, that means you must be enrolled and attending classes until **April 10, 2014**, to be eligible for all the financial aid you received. If you drop **all** of your classes before **April 10, 2014**, you may be billed for a portion of the Pell Grant 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 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 2013–2014

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.

	Living with parent(s)	Living away from parent(s)
Books & Supplies	$1,500	$1,500
Fees	1,328	1,328
Food & Housing	4,500	11,000
Personal Expenses	2,500	2,800
Transportation	1,200	1,200
	$11,028	$17,828

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.

Board Of Governors Waiver (BOGW)
The BOGW is a state program that waives the enrollment fee and the health fee for students who are residents of California and have financial need. Students will be considered for a BOGW as part of the financial aid application process or may apply separately online-via www.grossmont.edu/FA/feewaivers.asp if they receive TANF (AFDC), SSI, GR or have a low family income. **Please note that refunds are not retroactive to a prior semester.**

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, 2013, and September 2, 2013, (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. **The Hope Scholarship** allows up to $1,500 per student for the cost of tuition and related expenses for the first two years of postsecondary education. The actual amount of the credit depends on the student or family's income, amount of qualified tuition and fees paid. **The Lifetime Learning Tax Credit** is applicable to any level of postsecondary education and enables the student or family taxpayer to claim a tax credit of up to $1,000 per family for the cost of qualified tuition and related expenses.

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 Hope Scholarship and the Lifetime Learning Tax Credit, contact a local IRS office or visit the IRS on the internet at www.irs.gov/pub/irs-pof/p970.pof .

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, Inc., the Culinary Arts Program, Student Health Services, Extended Opportunity Programs and Services (EOPS), Student Affairs, Career Center and Job Placement, Adult Re-Entry, Disabled Student Programs and Services (DSPS), 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 7:30 a.m. until 10:30 p.m. and Friday 7:30 a.m. until 5:00 p.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 Services
The Health Services Office provides services to all registered students who have paid the health fee. Current Grossmont College I.D. or proof of registration is required for services. Services include: immunizations, professional nursing services, first aid and emergency care, health counseling and education, referral to community resources as needed, smoking cessation, vision, hearing and blood pressure screening, as well as voluntary health and accident insurance plans. Services, information, insurance applications and claim forms are available in Room 60-130. Injuries and illnesses must be reported to the Health Services Office.

The mandatory health fee shall be for the protection of any student who may experience an injury while participating in a college sponsored credit or noncredit class, or other activity directly supervised by a member of the college staff at a college approved co-curricular activity. A list of benefits subject to limitations and provisions of the policy are available in the Health Services Office. Deductibles range from $50 to $100. This student insurance is secondary to any group, blanket franchise, group practice, individual practice or other pre-payment coverage's which means



claim must be filed with primary insurance first.

Note: Students that 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 Admissions and Records. Requests for exemptions will be reviewed by the Associate Dean of Student Affairs.

Housing

Grossmont College does not offer on-campus housing. Locating accommodations is the student's responsibility; however, a limited listing of apartments or room rentals can be obtained in the Associated Students of Grossmont College, Inc. Office and website at www.asgcinc.org. The college assumes no responsibility for providing or supervising such housing facilities.

Military Information

Specific information regarding the Armed Forces and veteran's benefits may be obtained in the Veterans Affairs Office. For additional veteran information see page 14.

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.

Smoking regulations

As of January 1, 2009, Grossmont College transitioned to a smoke-free facility as stipulated in Board Policy 3560. Violation of this campus tobacco policy will result in appropriate disciplinary penalties in place for both students and employees.

Special Events

As part of the educational offering, 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 which are open to students and the general public.

Student Affairs Office

The Student Affairs Office manages programs and services in collaboration with staff, faculty, and students to enhance the quality of campus life for students. The following are specific services and responsibilities related to student interest:

- Oversees the Health Services Office by providing vision, leadership and direction, including staff involvement in the review and implementation of nursing and medical care services for students. A wide spectrum of nursing and medical care services are available to assist the health care needs of students.
- Oversees student life programming including student activities and services provided by the Associated Students of Grossmont College, Inc. (ASGC, Inc.) which is the student government with a not-for-profit corporation status. Serves as the administrative advisor to the ASGC, Inc. which includes student benefit card matters, and grant application process.
- Reviews and authorizes ASGC, Inc. bank documents, purchase orders, contracts, fiscal budget, activities, special events, and other sponsored services and activities. The office promotes the shared governance philosophy of the college to the student leaders by encouraging student representation on district and college committees and councils.
- Manages student disciplinary issues related to classroom instruction, staff, faculty, department functions, and the overall campus environment. Has primary responsibility for investigating, reviewing, and facilitating student discipline issues with respective staff and faculty per District's Student Disciplinary Procedures. Conducts complete investigations for recommending appropriate administrative action to the Vice President of Student Services. Facilitate, review, and follow up on student complaints related to campus services, faculty, staff, and students for appropriate resolution. Manages grievances in compliance with Board policies, educational related codes, and the District's Student Rights and Due Process Procedures. Performs a defined administrative role in the initial investigations of discrimination and/or harassment related charges. Student Affairs furnishes investigative documents, office records, and prepares official statements to assist District counsel for court purposes and legal claims against the District.
- Organizes the ASGC, Inc. Board election and Student Trustee election including the student body voting process for student leadership positions which represent student interests.
- Administers the annual commencement ceremony which honors students who are eligible for an associate degree and/or certificate.
- Organizes the campus-wide Week of Welcome (WOW) events and services during the first week of instruction designed to welcome new students and welcome back returning students.
- Serves as the administrative chair with the faculty chair of the World Arts and Cultures Committee (WACC). The planning committee consists of students, staff, and faculty who organize a wide range of cultural activities and events to increase respect and awareness levels of cultural diversity.
- Students interested in assisting WACC; joining clubs or obtaining club charters for establishing a new club on campus or renewing an existing clubs charter; serving on the ASGC, Inc. board; and/or obtaining additional information regarding the overall office description are encouraged to visit the Student Affairs Office in person or online at www.grossmont.edu/student_affairs .

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 ASGC, Inc. Activities window, 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 applicant information and 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 and the nation.

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 the Student Health Services Office.

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 web site at www.grossmont.edu/assessment.

University Transfer Center

The University Transfer Center provides students with information and resources on transfer planning to a California State University, University of California, independent college and university, and out-of-state four year institutions. The University Transfer Center contains resources such as current college catalogs, DVDs, articulation agreements and, reference books. There are also computer terminals 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. Representatives from four-year colleges and universities visit campus regularly to advise students free of charge. Workshops on transfer-related topics are presented weekly and students are assisted with completing university admission applications.

Tutoring Center

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

Individual and group tutoring appointments are available during the day and evenings. To schedule an appointment, phone (619) 644-7387, visit the website at www.grossmont.edu/tutoringcenter , or visit the Center in the Learning and Technology Resources Center, Room 70-202. The Center meets the challenge of effectively serving the diverse academic, socio-economic, cultural, disabled and ethnic backgrounds of the community college student.

Campus Safety

District Public Safety

The District Public Safety Department provides police services to the college community and their property on District grounds, facilities and parking lots. However, all persons on college grounds are primarily responsible for their own safety and property.

District Police Officers are sworn officers in compliance with the California Education Code and the California Penal Code, and have full law enforcement powers and responsibilities as local police and sheriff's deputies in your home community.

The District Police have established Memorandums of Understanding (MOUs) with local law enforcement agencies in which our two colleges are located.

The MOUs between the District Police and local law enforcement agencies have been in effect since 1998. The mutual agreements allow the District Police to have primary operational responsibility for law enforcement and investigative services on college district property, with the assurance that local law enforcement agencies can be called for assistance and mutual aid as appropriate. Copies of these agreements are available to the public at the District Police office.

Crime Reporting Procedures

Emergencies, criminal activities, or other incidents may be reported at any time, by calling:

GCCCD Police . . . . . (619) 644-7654
Emergencies 911
El Cajon Police . . . . . (619) 579-3311
S.D. Sheriff . . . . . (858) 565-5200

Additional public safety information is available at our home page: www.gcccd.edu/public-safety/default.html

Parking and 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 District Police 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:

1. Affixed to the rear window or front/back windshield either side, inside the lower corner.
2. Vehicles with dark tint on the back or side windows must completely affix the permit to the front windshield, either side, inside the lower corner.
3. Hanging from the rear view mirror, completely attached to the plastic permit hanger provided by the college, or placed on the dashboard facing date/semester side up.





Permit Hangers

A free plastic permit hanger is available from all student services offices, and the District Police office.

Student Parking Permits

Student parking permits are purchased through WebAdvisor at www.grossmont.edu. It will link you to Credentials, Inc., to purchase your parking permit. You may pay by credit card online or if you choose to pay by cash or check you may BRING in your PRINTED ORDER FORM to the College Cashier's office and we will process your payment so that your parking permit can be mailed.

Refunds for Parking Permits—You must physically return your parking permit to the College Cashier's office, WITHIN the REFUND DEADLINE of your class/es to receive a refund. If you paid by credit card, we will process your transaction and you will receive a credit to your card from Credentials, Inc. If you paid by cash or check, we will refund your money to you after cancelling your parking permit through Credentials, Inc.

For help with purchasing your permit you may call the Customer Service number of Credentials, Inc., at 1-800-646-1858.

Faculty, Staff and Vendor Parking Permits

Permits are available at the Business Communication Services office at each campus.	(619) 644-7000
Grossmont EXT:	(619) 644-7621
Cuyamaca EXT:	(619) 660-4233

Call Boxes and Locations

Emergencies and requests for motorist assistance can be reported to the District Police at (619) 644-7654 or by using one of the Call Boxes located in Parking Lots: 1, 3, 4, 4A, 5 (Parking Structure each level), on the north-west side of the football field, and the inside of all campus elevators.

Pay Stations

Daily permits for students and visitors may be purchased from the pay stations located in Parking Lots: 1, 3, 5, 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.

Business visitors may obtain a parking pass from the Business Communications Services Office.

Parking Meters

All meters have a two-hour time limit. To pay for them use only quarters. Parking Permits are not valid at meters.

Temporary Permits

Temporary permits are available at the Public Safety office. These permits are intended for extraordinary circumstances such as emergencies or unexpected events.

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 or can be picked up at Disabled Student Services. Disabled Permits are also valid in parking meters and student lots.

Students, visitors, faculty, or staff members who legally possess a current California Disabled Placard, which must be displayed, are not required to purchase a parking permit. Temporary disabled parking permits may be issued by the District Police or Disabled Student Services (This permit is valid only on District property, and it is not to exceed two weeks).

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 District Police Office at (619) 644-7654.

Replacement for Lost or Stolen Permits

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

Motorcycle Parking

Motorcycles, scooters, segways, and mopeds must be parked in designated motorcycle areas; permit is not required. However, motorcycles parked in auto parking spaces are subject to citation.

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 www.sdmts.com.

Motorist Assistance

The District Police 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.

The District Police also provides an escort service 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.

Parking Citation Payments

Fees resulting from citations are payable at the College Cashier Office or online at: www.remit-online.com/619001

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.

Citation Appeal Forms

You may obtain a "Citation Appeal Form" from the Public Safety Office. This form must be completed accurately and returned to our office within 21 calendar days of the citation's issued date. You will receive a response to your request by mail within 2-3 weeks.

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

ADDITIONAL SERVICES

ATM Locations

Grossmont College: Outside the Tech Mall.

Lost and Found

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

Divisions of the College

Allied Health and Nursing

Debbie Yaddow
Dean
Director of Nursing

Nursing
Lisa Maloy
Assistant Director of Nursing

Program Coordinators
Liz Barrow
Cardiovascular Technology
Telemetry/ECG
Janice Goforth-Melroy
Disability Services Management
Thomas Byrne, Chris Rice
Orthopedic Technology
Christy Vicino
Occupational Therapy Assistant
Peggy Wells
Respiratory Therapy
Anesthesia Technology

HEALTH PROFESSIONS

Cardiovascular Technology
Faculty:
Barrow, Potter

Cardiovascular Technology is a relatively new and expanding 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). See page 9 for further details.

Telemetry/ECG Technician
Faculty:
Marshall

Telemetry/ECG 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 Telemetry/ECG course trains students to record basic electrocardiograms and recognize abnormalities. Telemetry/ECG 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.

Disability Services Management
Faculty:
Goforth-Melroy

The Disability Services Management curriculum is the major offering. Students are prepared to work in agencies providing services to persons with developmental disabilities. See page 71 for the Associate Degree and Certificate requirements.

The Health Sciences Program also offers a cardiopulmonary resuscitation class.

Nursing
Faculty:
Aliyev, Babini, Brooks, Helland, Maloy, Ngo, Oertel, Sanchez, Tendal

Nursing is a profession whose focus is the diagnosis and treatment of human responses to actual and potential health problems. The Nursing Program prepares men and women 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 National League for Nursing. See page 9 for further details.

Occupational Therapy Assistant
Faculty:
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 men and women 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), 4720 Montgomery Lane, Bethesda, MD 20824-1220, phone number (301) 652-2682. See page 10 for further details.

Orthopedic Technology
Faculty:
Byrne, 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. See page 11 for program admission requirements.





Respiratory Therapy

Faculty:

Brown, Handley, Wells

Medical Direction is provided by Dr. David Willms, Pulmonologist at Sharp Memorial Hospital, San Diego.

Respiratory Therapy is a relatively new and 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 registry-eligible 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). See page 11 for further details.

Anesthesia Technology Program

Faculty:

Foster

The Anesthesia Technology Program trains students in the skills and knowledge needed to work in the operating room under the supervision of a registered nurse or an anesthesiologist. Students learn how to maintain supplies and equipment and assist the anesthesiologist with patient care during surgery. Anesthesia Technicians are technical experts on the design, function, and trouble shooting of anesthesia equipment and monitors. They are vital members of the anesthesia care team and a second pair of eyes and hands during emergencies or other difficult procedures.

Graduates of the program are employable at: acute care hospitals, trauma centers, transplant centers, teaching facilities, outpatient surgery clinics and independent contractor to plastic surgeons offices.

Arts, Languages and Communication

Steve Baker
Dean

Department Chairpersons

Jamie Gould
American Sign Language

Joel Castellaw
Communication

David Mullen
Dance

Evan Wirig
Media Communications

Derek Cannon
Music

Beth Duggan
Theatre Arts

Paul Turounet
Visual Arts and Humanities

Yolanda Guerrero
World Languages: Chinese, Italian, Japanese, Russian, Spanish
Arabic, French: Sonia Ghattas-Soliman
German: Johannes Bruestle

The Division of Arts, Languages and Communication provides courses of study in communication, including American Sign Language, media communications, and speech communication; and in fine arts, including art, art history, dance, humanities, music, theatre arts 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:

Carmean, Gould

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:

Castellaw, Curran, Perez, Schulmeyer, Solan, 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:
Meyer, Mullen

Dance is a language in movement; a means of communication and expression basic to all individuals.

The dance department provides an atmosphere of diverse movement styles and dance genres. The teaching 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 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. Performance opportunities are provided for students in both an intimate theater on-campus and a large community theater. The dance curriculum of the college includes courses in ballet, modern dance, jazz, tap, stretch and alignment, pilates (Body Tone and Strengthening), musical theater dance, choreography and improvisation, hip hop (American Street Dance), dance history, point, dance theatre performance, and student choreography for production.

Students who plan to pursue a dance major should confer with the dance coordinator.

Media Communications

Faculty:
Papageorge, Wirig

The area of Media Communications includes electronic media (audio and video) and journalism for both print and broadcast.

Both general education and skills-type courses are offered in the communication arts. The courses are designed to make the student aware of the nature, processes, and effects of media communications on society, and to provide skills for working with and within the various fields.

Electronic media courses, including audio and video, provide students both the technical knowledge and skills for succeeding in the many rapidly expanding areas of broadcasting, industrial communication, and multi-media. Production courses in both audio and video are conducted with modern studio-quality equipment. In these courses, students learn to write and produce program material, to operate the state-of-the-art equipment, and to function within media communications production organizations. Students enrolled in the audio production courses have the opportunity to serve on the staff of the college's radio station. Many of the graduates of the media communications program go directly to employment positions in broadcasting, corporate communications, multi-media production companies, or transfer to four-year universities.

Journalism courses are designed to make the student aware of the impact of the news media on his/her life, and to develop competency in the numerous skills demanded of today's journalists. Students enrolled in the lab-type courses learn to operate state-of-the art computer equipment for writing and laying out publications, and they have the opportunity to serve on the staff of the college's weekly newspaper. They also develop and tape television newscasts. Courses in public relations introduce students to the principles and skills required of those who will serve as managers and leaders of business, government and nonprofit organizations.

Music

Faculty:
Benedetti, Cannon, 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 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, Afro-Cuban Ensemble, and Gospel Choir.

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:
Duggan, Everett

The courses in the area of theatre arts are designed to offer a broad range of opportunities for students interested in all phases of the theatre. Not only is it possible for a student to get information and experience in the fields of acting and directing, but he/she can also take courses in which he/she can learn the technical trades of lighting, scenic design, and the actual construction and painting of scenery. Courses in history of the theatre, costuming, costume construction, makeup and playwrighting are also offered. No theatre worker is completely equipped without at least a passing knowledge of the total requirements of all the areas necessary to produce and present stage productions. The courses at Grossmont are designed to fill this general need as well as to allow for intensive study in any particular area of interest.

Visual Arts and Humanities

Faculty:
Art History – de Koning, Serrano
Ceramics – Garcia, Irwin
Humanities – Davies-Morris, Mapes, Schmidt
Painting and Drawing – Bennett, Mosley
Photography – House, Turounet
Sculpture – Wilsterman

Art History 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 is an earth medium of expression, embodying the spirit of humans from the beginning of time. Clay when frozen by fire records the marks and forms of simple utilitarianism as well as complex thoughts and rituals.





Digital Media 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 Media students explore a wide range of digital tools and compositional devices to learn how artists apply computers to produce powerful images and designs.

Drawing and Painting provide the students with a two-dimensional visual art foundation based on the western renaissance tradition. Techniques, materials and methods of representational and contemporary art are explored by the students in a traditional assignment format.

Humanities (studia humanitas) courses use analytic and critical thinking skills to read, write, and study that which pertains to 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 is a high-speed, high resolution, information-processing medium, the artistic success of which demands sensitive, skillful and self-critical use. This powerful and convenient technology, controlled in the refined photographic tradition, is a significant agent for change and also a witness to it.

Sculpture 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:
Bruestle, Crespo, Ghattas-Soliman, Guerrero, 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 (Room 10-172) for the student who does not know their level or does not have transcripts or documentation.

Career and Technical Education/Workforce Development

Christina Tafoya
Dean

Department Chairperson
Brian Keliher
Business Administration

Program Coordinators
Tina Young
Administration of Justice
Linda Snider
Business Office Technology
Claudia Flores
Child Development, Education and Family Studies
Janet Gelb
Computer Science Information Systems
Joe Orate
Culinary Arts
Priscilla Rogers
Hospitality and Tourism Management, Insurance, 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:
Parr, Young

Administration of Justice, also known as Public Safety and Security Programs, offers a wide variety of degrees, certificates, and courses. There are five major areas of emphasis: Law Enforcement, Corrections, Forensic Technology, Legal Systems/Court Management, and Security Management. The Security Management program has a special "core" of instruction and is geared toward those who are seeking supervisory or management positions

in corporations or public agencies. In addition to areas of emphasis, the program offers a Police Reserve Academy, as well as Emergency Dispatch Operator andSecurity Academy. The Forensic Technology program is one of a few such programs in the U.S. The program prepares students for careers as crime scene technicians and fingerprint specialists. The Legal Systems/Court Management program is designed to help those who desire a career in the court system. The Corrections emphasis is designed for those who wish to pursue careers in corrections, as probation officers, juvenile counselors, or institutional corrections personnel. All AOJ program areas are designed for entry level oriented and career track students as well as those who wish to transfer to four year institutions.

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, Keliher, Scharff, Zander

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:
Gillespie, Leslie, Pressnall, Snider

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 in a flexible open entry/open exit, self-paced mode (Flex Courses). 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.

Hospitality and Tourism Management, Insurance, International Business, Management, Marketing, Retail Management

Faculty:
Rogers, Scharff

Programs in this area include Marketing, Management, International Business, and Retail Management. Many of the majors in this area include on-site cooperative work experience with local employers.

Child Development, Education and Family Studies

Faculty:
Behana, Flores, Gish, Sepulveda

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: www.grossmont.edu/childdevelopment.

Computer Science Information Systems

Faculty:
Gelb, Hotz, Norman, Qualls, Quinn

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 and systems, small computer systems management, web design and maintenance, and Local Area Network support specialist. Expanding opportunities in computer and information science make these programs increasingly popular.

Culinary Arts

Faculty:
Foran, Orate

This program prepares students for employment in today's food service/hospitality industry. Students may earn either a Certificate of Proficiency, Certificate of Achievement, or a Culinary 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.





Counseling and Enrollment Services

TBD
Dean

Department Chairperson
Kristi Kluka
Counseling

The Division of Counseling, Student Development and Matriculation includes Counseling, Career Center, Job Placement, and Assessment offices. These programs are fully described in the Student Services section of this catalog or online at www.grossmont.edu/counseling.

Counseling

Faculty:
Canady, Cerda, Cruzado, DeSaracho, Dillon, Ford, Gardner, Holsey, Kluka, Lim, Patnaik, Schmiege, Tuller

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 at the reception desk in the Counseling Center, or calling (619) 644-7208. Questions requiring short answers usually can be answered by the counselor on duty in the lobby of the center or by staff when calling the center. Persons with emergencies are seen promptly.

English and Social/ Behavioral Sciences

Agustín Albarrán
Dean

Department Chairpersons
Israel Cardona
Behavioral Sciences:
Anthropology, Psychology, Sociology
Oralee Holder
English
Helen Liesberg
English as a Second Language
Robert Henry
History
Zoe Close
Philosophy, Religious Studies
Brian Jennings
Political Economy:
Economics, Political Science

Program Coordinator
Danny Martinez
Cross-Cultural Studies

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, cross-cultural 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:
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.

Cross-Cultural Studies

Faculty:

Martinez

Cross-Cultural Studies includes courses from other academic disciplines, such as art, behavioral sciences, history, literature, world languages, social sciences, etc. These courses seek not to increase compartmentalization and cultural isolationism but to stress diversity and a broadening of perspective and point of view. The Tribal Gaming certificate of proficiency provides a basis of cultural and academic knowledge in the tribal gaming industry.

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:

Ahrens, Balasubramanian, Bellinghiere, Brown, Cardenas, Ding, Griffith, Harris, Harvey, Holder, Hurvitz, Jendian, Ledri-Aguilar, Miller, Nolen, Sako, Schmitt, Sherlock

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:

Ferguson, Herzfeld-Pipkin, Liesberg, Loveless, Passentino

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 seven 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.

History

Faculty:

Bell, Contreras, Ennis, Feres, Gonda, 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:

Close, Hoaglin, Yang

Courses in philosophy are consistently designated to present and convey to the student what is his/her cultural and intellectual tradition, and what is his/her place in the tradition. Specifically, these courses are a balanced offering of intellectual methodology, namely: logic, ethics and epistemology, and cultural heritage in literature and the fine arts approached historically.

Religious Studies include courses designed to inform and add depth to the student's understanding of one of the most powerful forces in any culture. The courses are designed so that they will serve as adequate preparation for transfer, yet they are essentially of intrinsic value and should be of equal benefit to the nontransfer student.

Political Science

Faculty:

Braunwarth, Jennings, 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:

Chafin-Arenz, Pak, Ramos

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, Robinson

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

TBD
Dean

Department Chairperson
Nadra Farina-Hess

Faculty:
BenVau, Farina-Hess, Middlemas, Morrison

Library, Media Desk, Listening/Video Viewing, Interlibrary Loan (ILL), Creative Services, Distance Education, Instructional Media Services, Photography, Learning Assistance Centers, Tutoring Center, Instructional Computing Services, Professional Development

The Learning and Technology Resource Center 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, lounge chairs, and a copy center. The Library has over 100,000 books and DVDs. The Library online catalog identifies materials at both Grossmont and Cuyamaca College. The library also has access to several online periodical databases that students may use on campus or from home.

Librarians provide a variety of information services. At the reference desk (1st floor), librarians guide students in using the Library and the materials available, help them to select the best resources, and assist 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 the Library. Library Instruction is provided via class visits, an online tutorial, or through individual enrollment in LIR courses.

The **Media Desk** is located on the 2nd floor of the library and provides students and faculty with access to a variety of course-related media resources, such as DVDs, VHS tapes, CDs, and Media Reserves materials. Individual viewing carrels and audio/ visual equipment are available, as are group study rooms with computers.

Interlibrary Loan (ILL) services include two to three business day turn-around courier service for materials from Cuyamaca and SDSU. In addition, access to books, journal articles and media from colleges and universities throughout the country and world-wide is available through ILL.

Creative Services provides assistance for faculty in the creation of instructional materials via Graphics and Photography support. These services are primarily for faculty and staff.

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 via the website at: www.grossmont.edu/ims or by calling 619-644-7374.

Distance Education is a flexible and convenient opportunity for self-motivated students. Resources are available for students on the Online Success website that will help students determine whether online learning is right for them: www.gcccd.edu/online. Faculty develop a variety of online and hybrid courses which are mainly delivered via the Learning Management System, Blackboard.

Instructional Computing Services (ICS) provides support for faculty and learning assistance centers campus-wide. ICS has three network specialists and a facilities supervisor to help support the use of technology on campus.

Learning Assistance Centers

There are numerous Learning Assistance Centers located throughout the campus. Information on these centers can be found on the website: 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 Centre. Please ask your instructor about access requirements.

English Writing Center (EWC) is part of the English Department and is located on the first floor of the LTRC. Staff include both English instructors and English reading and writing skills peer tutors. The EWC's mission is to help students improve their overall writing skills in terms of proper grammar usage and development of coherent and well-organized essays, as well as textbook reading, vocabulary, and study skills. The EWC is open to all students at Grossmont College.

Math Study Center (MSC) is located on the first floor of the LTRC (enter through Tech Mall entrance) in Room 70-112. The MSC is a part of the Math Department and provides group tutoring and computer-aided tutoring for all levels of Math.

Open Computer Lab is located on the 1st floor of the LTRC (enter through Tech Mall entrance) 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, computer-aided instructional applications, and learning assistance.

Tutoring Center is located on the mezzanine of the LTRC (enter through Tech Mall entrance) and provides group and one-on-one tutoring for all subjects. Tutoring is by appointment only.

Mathematics, Natural Sciences, Exercise Science and Wellness

Michael Reese
Dean

Department Chairpersons
Shina Alagia, Craig Milgrim
Biological Sciences
John Oakes, Cary Willard
Chemistry, Science
Judd Curran
Earth Sciences:
Geography, Geology, Oceanography
Randy Abshier, Jim Symington
Exercise Science and Wellness:
Exercise Science, Health Education
Shirley Pereira, Susan Working
Mathematics
Brian Carter
Physical Sciences:
Astronomy, Physical Science, Physics

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, Cohen

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.

Descriptive Astronomy (Astronomy 110), General Astronomy Laboratory (Astronomy 112), Exploration of the Solar System (Astronomy 120), Physical Science for Elementary Education (Physical Science 100), Introduction to Physical Sciences (Physical Science 110), Physical Science Laboratory (Physical Science 111), and Introductory Physics (Physics 110) are specifically directed toward the general education of students majoring in fields other than math and science. Physical Science 100 is designed to prepare students for a career in elementary education.

Fundamentals of Physics (Physics 130-131) is a two-semester calculus based sequence directed toward students planning careers in biology and medicine. A three-semester calculus based sequence, Physics 140-240-241, 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, Caldwell, Dudley, Golden, Milgrim, 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: Life in the Sea (Biology 105), Environmental Biology (Biology 110), Contemporary Issues in Environmental Resources (Biology 112), Heredity, Evolution, and Society (Biology 114), Introduction to Human Biology (Biology 118), and Principles of Biology (Biology 120), 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 Biology 105, 110, 112, 114, 118, or 120.

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: Human Anatomy (Biology 140), Human Physiology (Biology 141 and 141L), Anatomy and Physiology (Biology 144 and 145), Paramedical Microbiology (Biology 152), Statistics for Life Sciences (Biology 215), Principles of Cellular, Molecular and Evolutionary Biology (Biology 230), and Principles of Ecology, Evolution, and Organismal Biology (Biology 240).

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:
George, Larter, Lehman, Oakes, Olmstead, Vance, Willard

The chemistry program strives to offer more than the basic instruction in the science 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 urged to search for rational explanations of phenomena, to consider relationships among various disciplines, and to develop self-reliance in seeking answers, through which will come a better appreciation and understanding of our world.

Coursework is designed to provide a liberal as well as a practical education. The student has the opportunity to see the contemporary applications of this science in a world of rapidly changing technological growth.





Laboratory methods supplement lectures in order that the student may develop a more direct understanding, participate in "discovery" operations and learn scientific techniques.

Exercise Science and Wellness, Health Education

Faculty:
Abshier, Aylward, Caires, Harvey, Ivers, Jordan, Kelley, Kerns-Campbell, Larsen, Sim, Weber

Exercise Science and Wellness and Health Education provide opportunities for students to gain knowledge about physical fitness, healthful living practices, leisure-time pursuits, and stress management techniques. The instruction in various activities provides students with the skill to obtain optimum health and physical efficiency.

The curriculum is based on the philosophy that by acquiring information and knowledge based on a fitness/wellness paradigm and integrating that knowledge in activities which allow physiological/psychological changes to occur, an important component of a general education is realized. Further, the Exercise Science and Wellness curriculum is centered on the concept that movement skills, intellectual development, physical fitness and healthful living practices are elements of life that must be taught and reinforced. Specific knowledge, skills and practice techniques that enable students to improve are sequential progressions in the learning process. Instructional analysis and evaluation by credentialed professionals are essential aspects of implementing this philosophy.

The Exercise Science and Wellness Department also offers courses in health education, intercollegiate athletics and professional activities for the physical education baccalaureate major.

Geography

Faculty:
Cliffe, Curran, Goodman, Therkalson

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, Hill, Jacobson

The geology program offers basic instruction in geology and related subsciences (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, Hicks, Lee, Lines, Manchester, Millan, Palacios, Pereira, Smith, Vanden Eynden, Waller, Working

The mathematics curriculum provides a basic mathematics course (Math 080), Strategies for Success in Math (Math 087), a pre-algebra course (Math 088) and the essentials of high school mathematics (Math 090, 097, 103, and 110) for students who did not take high school mathematics or have not studied mathematics for several years. Also included are the standard college freshman-sophomore sequences of courses (Math 170, 175, 180, 280, 281) for students whose mathematical training is sound and recent and who plan to major in mathematics, engineering, one of the physical sciences, or desire a strong mathematical background. In addition, general education (for those not required to take higher mathematics) is provided through a survey of mathematical topics (Math 120) while the remaining courses (Math 125, 126, 128, 150, 160 and 178) provide special skills or preparation in specialized areas of mathematics often required by other fields such as biology, business, economics, education and psychology.

Oceanography

Faculty:
Hill, Jacobson

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. Oceanography 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. Oceanography 112 may be counted towards fulfilling the Area B, Section 2, General Education requirements for graduation from the college.

Grossmont-Cuyamaca Community College District

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Tim Corcoran.....Interim Vice Chancellor, Human Resources
Sahar Abushaban.....Associate Vice Chancellor-District Business Services
Christopher Tarman .....Senior Dean, Research Planning and Institutional Effectiveness
Diane Munson .....Executive Director, Grossmont-Cuyamaca Community College District Auxiliary
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Linda Jensen.....Senior Director, Fiscal Services
Sara Suter.....Director, Administrative Services, District Auxiliary
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Linda Bertolucci.....Director, Purchasing and Contracts and Ancillary Services

College Administration

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Tim Flood .....Vice President, Administrative Services
Jeff Baker.....Vice President, Student Services
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Steve Baker. .....Dean, Arts, Languages and Communication
Christina Tafoya.....Dean, Career and Technical Education/ Workforce Development
Howard Irvin, Ph.D....Interim Dean, Counseling and Enrollment Services
Agustín Albarrán .....Dean, English and Social/Behavioral Sciences
TBD.....Dean, Learning and Technology Resources
Michael Reese Ed.D .....Dean, Mathematics, Natural Sciences, and Exercise Science and Wellness
James Spillers .....Associate Dean, Athletics
Sara Glasgow, J.D. .....Interim Associate Dean, Student Affairs
Ken Emmons .....Director, Campus Facilities, Operations and Maintenance
TBD .....Director, College and Community Relations
Michael Copenhaver.....Director, Financial Aid
TBD .....Interim Director of Student Activities
Lisa Maloy .....Assistant Director of Nursing

Emeriti

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Muriel Owen..... Administrator Emerita
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Pat Bennett .....Professor Emerita
William Bornhorst.....Professor Emeritus
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Brad Tiffany .....Dean Emeritus
Edda Temoche-Weldele .....Professor Emerita
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Scholarship Specialist

Gillan, James
Grounds
Grounds Maintenance Worker

Girsch, Christine
Allied Health and Nursing
Administrative Assistant III

Glasgow, Sara
Student Services
Director

Glass, Susan
Budget & Fiscal Operations
Special Projects Account Analyst

Gonzalez, Anna
Financial Aid
Financial Aid Assistant

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Information Systems
Network/Computer Equipment Technician

Goodman, Joseph
Bookstore
Supervisor

Hall, Cynthia
Mathematics, Natural Sciences, Exercise Science and Wellness
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Harrington, Juliette
Health Services
Health Services Specialist

Harvey, Stephen
Learning Resource Center
Photographer, Videographer

Hashiguchi, Barbara
Accounting
District Account Technician

Henderson-Deptula, Susan
Biology
Microbiology Technician

Herman, Mary
Library: Circulation
Public Services Coordinator

Hernandez, Daniel
Financial Aid
Financial Aid Front Office Supervisor

Heuft, Dawn
Budget and Fiscal Operations
Administrative Assistant IV

Hipwell, Martin
Grounds
Grounds Maintenance Worker

Holmquist, Heidi
Athletics
Athletic Eligibility Advisor

Hong, Crystal
Printing/Duplicating
Printing Operations Specialist

Hough, Mary
Operations
Custodian

Howell, G. Scott
Information Systems
Network Specialist I

Hoyt, Preston
Operations
Custodian

Hungerford, Tiffany
Public Safety
Public Safety Dispatcher

Irvin, Jeanette
Business and Communications Services
Mail Processor

Jensen, Linda
Accounting
Senior Director, Fiscal Services

Jiles, Glennda
Library: Periodicals
Multi-Media Technician

Johanns, Kristine
Arts, Languages and Communication
Dance Operations Facilitator

Johnson, Angela
Employment Services
Senior Recruiter

Johnson, Timothy
Operations
Custodian

Jones, Alicia
Child Development Center
Child Development Center Aide

Jones, Boniface
District
Warehouse Assistant

Jones, Myin
Information Systems
Network/ Computer Equipment Technician

Jones, Sylvester
Public Safety
Public Safety Officer

Kazalonis, Michele
Career & Technical Education/Workforce Development
Clerical Assistant

Kerns, Cheryl
Assessment
Student Services Assistant

Ket, Lillian
Financial Aid
Financial Aid Technician

Ketchum, Joshua
College Maintenance
General Maintenance Worker, Senior

Kirby, Richard
Information Systems
Network/Computer Equipment Technician

Kline, Karen
Accounting
District Account Technician

Koether, Cynthia
English Writing Center
Learning Assistance Center Specialist

Krausie, Olivia
Admissions and Records
Evaluations Advisor

Krueger, Anne
Communications and Public Information
Director

Kudrat, Gloria
Exercise Science
Clerical Assistant

Kuntz, Sandra
American Collegiate English
Clerical Assistant. Senior

Landry, MaryAnn
English & Social/Behavioral Sciences
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Langteau, Jon
Electronics
Electrical Maintenance Lead

Laveaga, Francisco
Public Safety
Public Safety Supervisor

Leasure, Amy
Purchasing and Contracts
Buyer, Senior

Lecture, Marci
Counseling
Student Services Assistant

Le, Thu-Houng
Accounting
Account Clerk, Senior

Link, Erin
Child Development Center
Child Development Center Assistant, Senior

Livingston, Ronald
Information Systems
Programmer Analyst, Senior

Lopez, Dan
Health Sciences
Health Sciences Technician, Senior

Lopez, Jaime
Operations
Custodian

Lopez, Joel
Operations
Campus Operations Assistant

Lopez, Manuel
Theatre Arts
Theatre Production Design Technician

Lundgren, Lisa
Admissions and Records
Admissions and Records Assistant, Senior

Lyulkin, Alla
Information Systems
Programmer Analyst, Senior

MacDonald, Keith
Biology
Instructional Lab Assistant, Senior

Macias, Ricardo
Printing/Duplicating
Printing Operation Technician

Macy, Glenn
Operations
Custodian

Macy, Yvette
Payroll
Clerical Assistant

Markey, Teresa
Hyde Art Gallery
Clerical Assistant

Martens, Michele
Learning & Technology Resources
Administrative Assistant III

Marthis, Donivan
Athletics
Athletic Trainer

Martinez, Anita
Career and Technical Education/Workforce Development
Administrative Assistant III

Martinez, Rafael
Operations
Custodian

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Disabled Student Programs and Services
Student Services Assistant

Matkovski, Ella
Administrative Services
Account Clerk

Matthews, Paula
Accounting
District Account Technician

McCoy, Karen
Library: Media
Multi-Media Technician

McKinnon, Kari
Child Development Center
Child Development Center Aide

Mehrian, Maura
Child Development Center
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Mendez, Luis
Athletics
Athletic Maintenance Lead

Mesquita, Ondrea
Bookstore
Bookstore Purchasing Assistant

Miller, Mika
Admissions and Records
Admissions and Records Specialist - International Students

Mills, Charles
Information Systems
Network Specialist I

Mitcham, Melissa
Mathematics
Clerical Assistant

Mok, Wang
Operations
Custodian

Montalvan, Ryan
Public Safety
Public Safety Officer

Montez, Nick
Admissions and Records
Admissions and Records - Office Supervisor

Montoya, Genie
Business and Communications Services
Business Services Specialist

Moore, Frank
Information Systems
Database/Web Administrator

Morgan, Christy
Health Professions
Health Professions Specialist

Morka, Fayine
Child Development Center
Child Development Center Aide

Mountain, Robert
Information Systems
Network Specialist II

Muniz, Ronald
Public Safety
Public Safety Security Assistant

Murphey, Laura
Admissions and Records
Admissions and Records Systems Specialist

Murray, Patricia
Health Sciences
Health Science Technician, Senior

Nanquil, Chris
Public Safety
Public Safety Officer

Naseem, Zahra
Child Development Center
Child Development Center Assistant, Senior

Neely, Robert
Operations
Custodian, Senior

Newman, Jack
Grounds
Grounds Maintenance Worker, Lead

Nutt, Gerardette
CalWORKs
Program Technician

Oertling, Lisa
Chemistry Lab
Chemistry Technician, Senior

Osborne, Edmund
Operations
Custodian, Senior

Osborne, JacQueLine
Employment Services
Senior Recruiter

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Student Services Specialist-Assessment

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Budget and Fiscal Operations
Financial Analyst

Palma, Pat
World Language
Clerical Assistant

Phan, Holly
Printing/Duplicating
Supervisor

Pickens, Sontia
Child Development Center
Clerical Assistant, Senior

Pines, Will
Disabled Student Programs and Services
Assistive Technology/Alternate Media Specialist

Pinto, Moises
Operations
Custodian

Platt, Douglas
Electronics
Electrical Maintenance Lead

Pollard, Gloria
Employment Services
Administrative Assistant I

Popko, Alexis
Theatre Arts
Theatre Operations Facilitator

Posada, Cynthia
Counseling
Student Services Specialist

Price, Lucy
Learning and Technology Resources: Tutoring Center
Learning Assistance Center Specialist

Prilaman, Barbara
Instructional Operations
Instructional Operations Assistant

Ramos, Sandra
Admission and Records
Admission and Records Assistant

Rapolla, Catherine
Administrative Services
Budget Analyst

Rapolla, William
CalWORKS
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Ray, Chris
Athletics
Athletic Trainer

Raybourn, Marsha
Instructional Operations
Instructional Operations Supervisor

Rensink, Mark
Public Safety
Public Safety Officer

Reyes, Arthur
Information Systems
Programmer Analyst, Senior

Richardson, Susan
Photography
Photography Technician



Roberge, Kenneth
Operations
Custodian

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DSPS Interpreter Coordinator

Rodgers, Christopher
Instructional Computing Services
Instructional Design Technology Specialist

Rodriguez, Jamie
Counseling
Student Services Assistant

Rodriquez, Stephanie
College Maintenance
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Rogerio, Ana
Financial Aid
Financial Aid Advisor

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Student Services Assistant, Senior

Rosenthal, Sandra
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Sahagun, Laura
Financial Aid
Financial Aid Assistant

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University Transfer Center
Student Services Specialist

Saric, John
Information Systems
Programmer Analyst, Senior

Schaufler, Nathan
Instructional Computing Services
Computer Lab Technician

Schlemmer, Hector
Public Safety
Public Safety Officer

Schumacher, Edward
Disabled Students Program and Services
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Sentz, Kathalena
Administration of Justice
Clerical Assistant, Senior

Shammas, Laith
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Admissions and Records Technical Supervisor

Shamon, Luma
Financial Aid
Financial Aid Advisor

Sigler, Dennis
Operations
Custodian

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Electronics
Electrical Technician, Senior

Skandunas, Esther
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Costume Lab Technician

Smith, Deborah
Information Systems
Instructional Design Technology Specialist

Sorman, John
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Soto, Julio
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Steinmetz, David
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Stephens, John
Instructional Computing Services
Network Specialist II

Stogsdill, Amy
Payroll - District
Payroll Technician

Suter, Marcia
Health Services
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Switzer, Dale
Facilities, Planning and Construction Management
Senior Director, Facilities Planning, Development, and Maintenance

Taylor, David
Maintenance
General Maintenance Worker, Senior - Plumbing

Thomas, Larry
Athletics
Athletic Field Maintenance Worker, Senior

Tillery, Paula
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Timm, Andy
Instructional Computing Services
Network Specialist II

Torriente, Reyna
Instructional Operations
Master Class Scheduler

Torwick, Carolinn
Learning & Technology Resources
Faculty Evaluations Assistant

Totten, Jacqueline
Accounting
Account Clerk, Senior

Tu, Regan
Printing
Printing Operations Technician, Senior

Ventura, Alfred
Art Department
Ceramics Technician

Weeks, David
Theatre Production
Stagecraft Technician

Weiser, Rochelle
Learning Resources and Technology Center
Administrative Assistant I

Weiss, Chris
Maintenance
General Maintenance Worker, Senior

Wells, Melody
Purchasing
Purchasing Assistant

Whitaker, Sharon
Admissions and Records
Admissions and Records Assistant, Senior

Whitmore, Alison
Child Development Center
Child Development Center Assistant, Senior

White, Kelly
Grounds Maintenance
Grounds Maintenance Worker, Senior

Widdes, Kim
Employee & Labor Relations
Human Resources & Labor Relations Specialist

Wight, Beverly
Admissions and Records
Evaluations Advisor

Williams, Frank
Financial Aid
Financial Aid Supervisor

Williamson, Jerry
Information Systems
Computer Services Supervisor

Wilson, Lynnette
Learning Resource Center: Graphics
Creative Services Design Specialist

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Chancellor' Office
Chancellor/Governing Board Office Assistant

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English Department
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Woodson, Dianne
Health Services
Health Services Supervisor

Woodward, Wendy
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Admissions and Records Specialist

Wright, Pamela
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Institutional Research Planner

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Desktop Support Technician

Yoshioka, Christine
Accounting
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Zullo, Janet
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Zumbado, Rocio
Bookstore
Bookstore Purchasing Assistant

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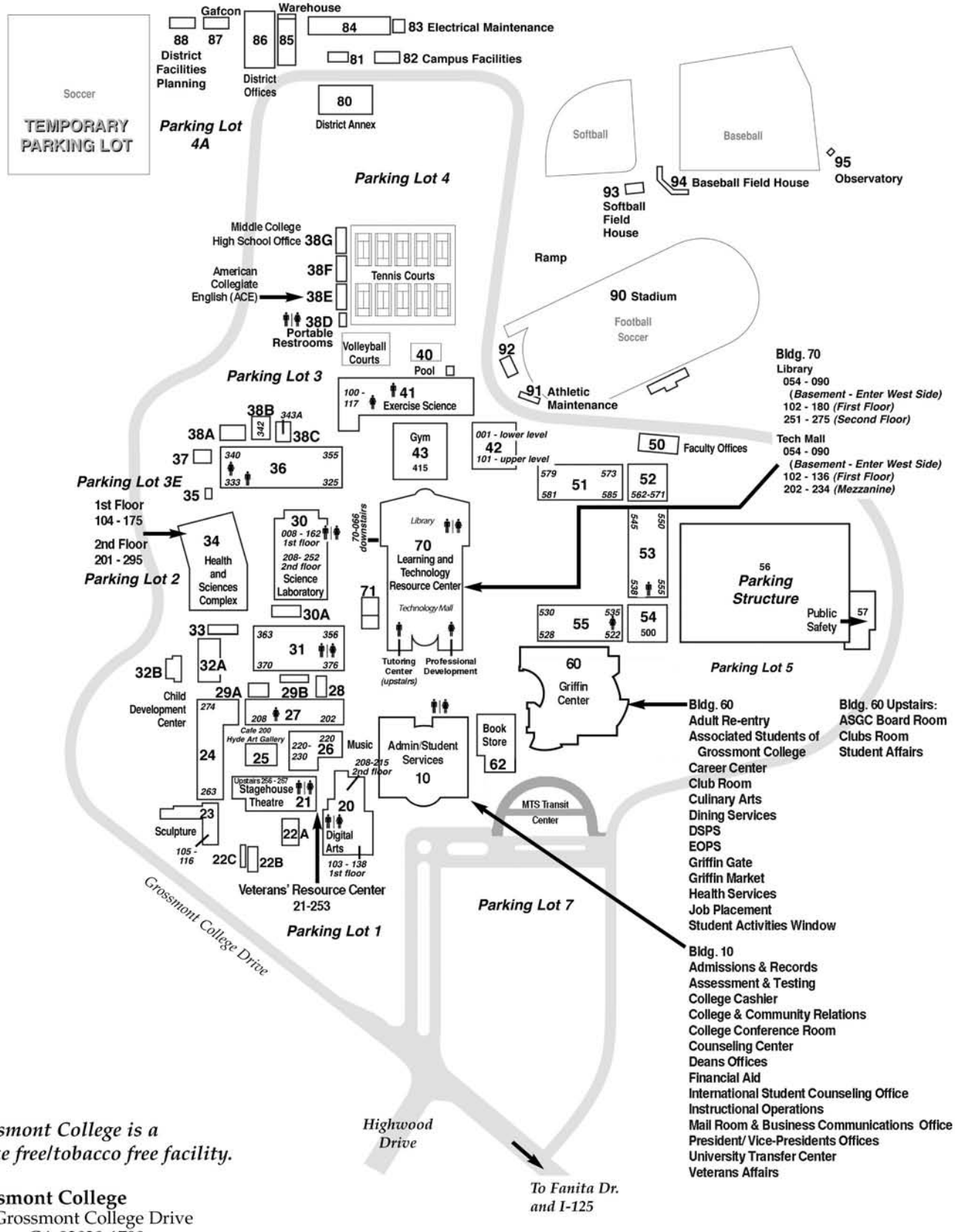
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Grossmont College Campus Map



Grossmont College is a smoke free/tobacco free facility.

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