



CARDIOVASCULAR TECHNOLOGY PROGRAM PREVIEW

LIZ BARROW, BA, RCIS

PROGRAM DIRECTOR

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GROSSMONT COLLEGE CVT PROGRAM



- Since 1972
- First accredited CVT program in the country
- CAAHEP (Commission on Accreditation of Allied Health Education Programs) <u>www.caahep.org</u>



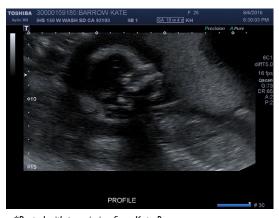
ULTRASOUND PROGRAMS

In CA: DMS Cardiac US – 3, Vascular US – 2

In CA: CVT Cardiac US - 2, Vascular US - 1, Invasive - 1

DMS - Diagnostic Medical Sonography

- General Ultrasound*
 - All the "guts"
 - OB/GYN
 - *NOT offered at Grossmont



*Posted with permission from Kate Barrow

CVT – Cardiovascular Technology

- Adult Echocardiography
- Pediatric Echocardiography*
 - *Not offered at Grossmont
- Vascular Technology





GROSSMONT COLLEGE 3 CVT TRACK SPECIALTIES

- After your first semester of the program, you will enter into a track specialty
 - Vascular Technology (Ultrasound)
 - Adult Echocardiography (Ultrasound)
 - Invasive Cardiovascular Technology (Cath Lab)

INVASIVE CVT



- Cardiac Catheterization Lab
- Radiology Suite
- Work as a team member
- Roles are Scrub, Monitor, Circulate
- Procedures include Heart Catheterization,
 Pacemaker Implants, Peripheral Intervention,
 Structural Heart
- <u>Video</u> of normal coronary angiogram.

ECHOTECH

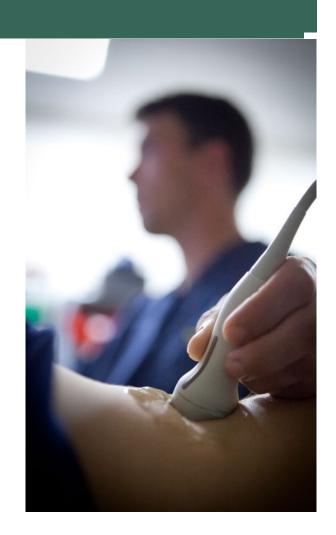
- Echo Lab, Hospital or Clinic setting
- One on One with the patient
- Ultrasound of the heart
- <u>Video</u> of echocardiogram

 Brief explanation of echocardiogram



VASCULAR TECH

- Vascular Lab, Hospital or Clinic setting
 - Cardiology
 - Neurology
 - Vascular Surgery
 - Radiology
- One on One with the patient
- Ultrasound of all arteries and veins
- Video of carotid artery study



PHYSICAL REQUIREMENTS AND ESSENTIAL FUNCTIONS

- Lifting
- Pushing
- Pulling
- Reaching
- Standing
- Walking
- Hand manipulation
- Visual and Auditory

- Communication Skills
- Critical Thinking and Problem Solving
- Social Skills
- Observation and Sensory Skills







CVT PROGRAM

- 2000+ graduates
- Instructors are graduates
- Local clinical sites







- High School Graduate (or higher degree)
- Chemistry 115 (or equivalent)
- Anatomy & Physiology
 - Biology 144/145 OR
 - Biology 140/141/141L
 - (or equivalent)
- 7-year recency rule (at application date)





EQUIVALENCY GRID



Cardiovascular Technology Program

Region X Community Colleges (SDCCD includes San Diego City, Mesa, & Miramar Colleges)

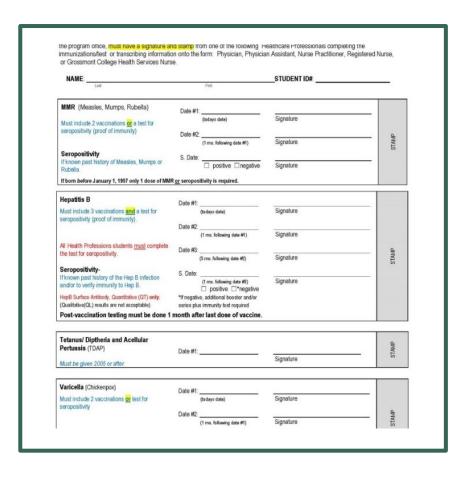
2020-2022

THIS PREREQUISITE GRID IS DESIGNED TO BE USED AS AN ADVISING TOOL, ONLY, AND NOT A GUARANTEE OF COURSE EQUIVALENCY FOR PRIOR COURSE WORK.

GROSSMONT	CUYAMACA	SOUTHWESTERN	SDCCD	MIRACOSTA	PALOMAR	IVC		
BIO 140 & BIO 141, 141L or BIO 144 & 145	BIO 140 & BIO 141, 141L	BIOL 260 & BIOL 261	BIOL 230 & BIOL 235	BIO 210 & BIO 220	BIO 210 & BIO 211	BIO 204 & BIO 206 BIO 200 & 202		
CHEM 115 or equivalent	CHEM 115 or equivalent	CHEM 100	CHEM 100 & 100L or CHEM 152 & 152L or CHEM 103 (Miramar only)	CHEM 115	CHEM 100	CHEM 100		
DEGREE REQUIREMENTS								
ENGL 120 or ENGL 124 or ESL 122	ENGL 120 or ENGL 124	ENGL 115, 115H or ENGL 116 or ADN 140	ENG 101 or ENG 105 or ENG 205 Note: ENGL 105 N/E to CSUSM LTWR 115	ENG 100, 100H or ENG 201 or ENG 202, 202H	ENG 100 or ENG 202 or ENG 203 or ESL 110	ENG 110 or ENG 201		
COMM 120 or COMM 122	COMM 120 or COMM 122	COMM 174 or COMM 103 or COMM 104	COMS 135 & COMS103	COMM 101	SPCH 115 or SPCH 100	COMM 100		

Click to see full equivalency chart

A COMPLETED APPLICATION



- Application form
 - (found on website)
- Proof of HS diploma
- Immunizations
 - (form on website)
- Official transcripts of prerequisites
 - Note: at this time unofficial transcripts are accepted with application – with follow up of official transcripts at a later date
- Course descriptions if not from local colleges

HEPATITIS B OPTIONS



- Hepatitis B Vaccine 3 shot series
- Ist Shot At any given time
- 2nd Shot At least one month (or 28 days) after the 1st shot
- 3rd Shot At least 4 months (16 weeks) after the 1st shot and 2 months after the 2nd shot.
- HEPLISAV-B 2 shot series
 - Ist & 2nd shots one month apart
- Seropositivity/Titer test required by all
 - Recommend to get this done upon application!

STUDENT HEALTH SERVICES

- Grossmont College
 - **Monday Thursday:**
 - 9am-5pm
 - Friday:
 - 9am-1pm
 - Located in Bldg 60-130
 - **619-644-7192**
- **Health Services Website**

- **East Region Public Health**
 - 367 N Magnolia Ave
 - Suite 101
 - El Cajon, CA
 - Phone: (619) 441-6500



APPLICATION TO PROGRAM

- Open application period
- Completed
 Application date/time
 stamped
- Waitlist (on average 2 years)

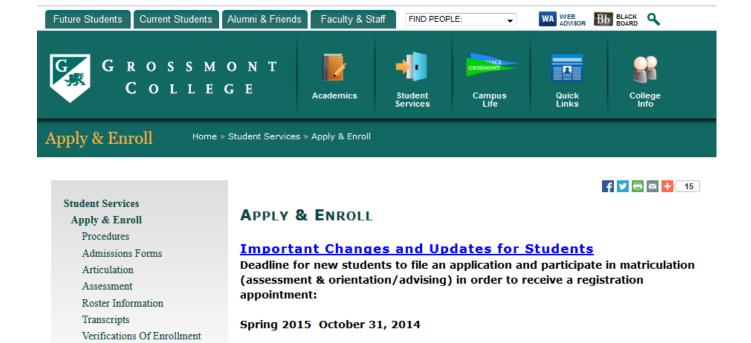


NOVEMBER 2021

APPLYING TO COLLEGE

International Students

Residency



Students who apply after this date will be assigned to open registration.

*Must enroll if you have not had classes in last two semesters



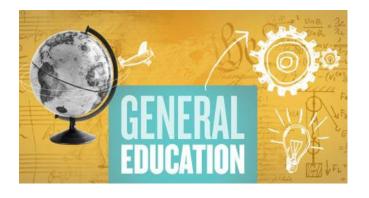


SEATING A CVT CLASS

- Seat a new class of students each fall semester
- February/March applicants on waitlist are contacted and invited
- March class is seated
- May Orientation
- Student Packet due in July
- Program begins in August

GENERAL EDUCATION REQUIREMENTS

- Area A Language and Rationality (9 units)
- Area B Natural Sciences (7 units)
- Area C Humanities (3 units)
- Area D Social Sciences (3 units)
- Area E Fitness/Wellness (2 courses, I-2 units each)



Coming in the near future: State legislated changes will affect the GE requirements for the program including adding Area F – Ethnic studies

CVT COURSES – CORE CURRICULUM



- Fall First Year
 - CVTE 100
 - Physical Principles of Medicine I
 - CVTE 101
 - Cardiovascular Physiology I
 - CVTE 102
 - Medical Instrumentation
 - CVTE 103
 - Laboratory Practicum and Proficiency Testing
 - CVTE 107 (optional)
 - Introduction to Clinical Practicum I
 - <u>Link to College Catalog and course descriptions</u>



- GPA taken from Core Curriculum (CVTE 100, 101, 102, 103).
- Ranked highest to lowest.
- Each student indicates track preference.
- Sorted by GPA.



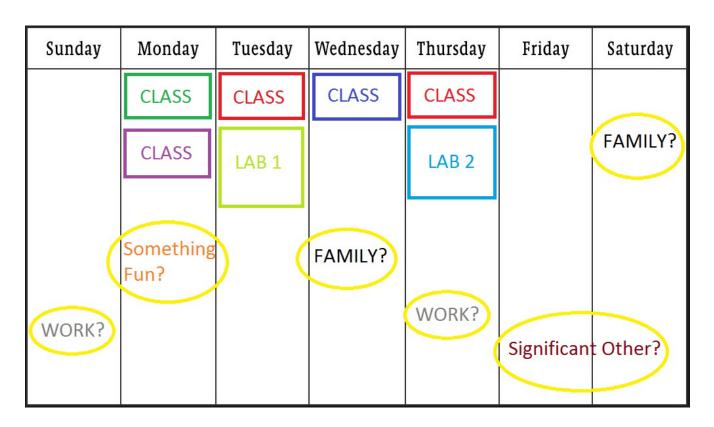
AUGUST 3, 2020

ADVICE FROM GRADS

- "Be prepared to make this your first, second and third priority in your life for the next 2 years. It takes a lot of time from your social life, but it is worth it. If you're not willing to commit to the study load and clinical rotations, you won't get what you need from this program, and ultimately, you'd be wasting your time if you don't commit to the program."
- "Read the book. Record lectures."

- "I had a great experience in the CVT program. I can't express how happy I am to be working in a career I worked so hard for. As long as you put in the effort to match the effort professors and clinical instructors you will graduate and have a fantastic career."
- "I recommend reviewing each track before making a decision."

RIGOROUS PROGRAM!



AS DEGREE IN CVT













MONEY

- Overall cost of program \$5000
- Tuition, books, uniforms, immunizations, malpractice insurance, background check, etc.
- Median Salary: \$90 –\$110,000
- www.salary.com



FINANCIAL AID

- Financial Aid Webpage
- Scholarships
- Unit limit might want to postpone use of FA?
- FAFSA Free Application for Federal Student Aid
 - Early completion
 - Select Grossmont College



PROGRAM OUTCOMES: JOB PLACEMENT

Class of	Echo	Invasive	Vascular
2023	10/10	9/9	2/2
2022	14/14	9/9	6/6
2021	9/9	13/13	10/12





PROGRAM OUTCOMES: REGISTRY PASS RATES

Class of	Echo (RDCS)	Invasive (RCIS)	Vascular (RVT)
2023	10/10	9/9	2/2
2022	14/14	9/9	6/6
2021	9/9	12/13	11/12





MARIJUANA

- While California now allows recreational use of marijuana, you cannot enter the program with a positive drug screen (including marijuana).
- This standard is set by our clinical sites.
- Their employees are subject to regulations tied to alcohol and drug use, and so are our students.



BACKGROUND CHECK

- Necessary for clinical placement
- Registry Exams
 - www.ardms.org
 - www.cci-online.org
- Future Employers
- Expunging your record



ECG/TELEMETRY CERTIFICATE PROGRAM



- 2-semester evening program
- Prerequisite: Bio 120
- Clinical focus:
 - Fall = ECG
 - Spring = Telemetry
- 12 units
- Certificate of Achievement
- You can remain on CVT waitlist while you participate

INFORMATION

- Liz.barrow@gcccd.edu
- Aime.Salazar@gcccd.edu
- www.grossmont.edu/cvt
- www.ardms.org
- <u>www.cci-online.org</u>
- http://www.youtube.com/watch?v=W-SJxeMInDM
- When searching use keywords: angioplasty, angiography, echocardiography, ultrasound, carotid arterial scan, cardiac sonography, vascular sonography