

CARDIOVASCULAR TECHNOLOGY PROGRAM PREVIEW

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NOVEMBER 1, 2018

GROSSMONT COLLEGE CVT PROGRAM

- 46 years old – Since 1972
- First accredited CVT program in the country
- CAAHEP (Commission on Accreditation of Allied Health Education Programs) www.caahep.org



GROSSMONT
COLLEGE



ULTRASOUND PROGRAMS

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

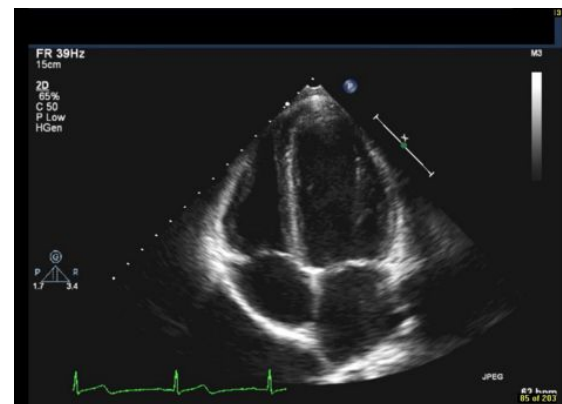
In CA: CVT Cardiac US – 2, Vascular US – 1, Invasive - 1

DMS – Diagnostic Medical Sonography

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

CVT – Cardiovascular Technology

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



**Posted with permission from Kate Barrow*

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WE HAVE 3 CVT TRACK SPECIALTIES

- 1. Adult Echocardiography
- 2. Invasive Cardiology
- 3. Vascular Technology



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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
- Video of normal coronary angiogram.



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ECHO TECH

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

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- 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



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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



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CVT PROGRAM

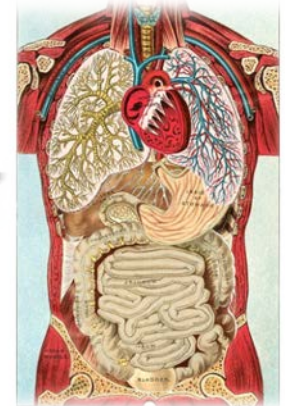
- 2000+ graduates
- Instructors are graduates
- Local clinical sites



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PREREQUISITES

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



EQUIVALENCY GRID

2017-2018: CVTE Program – *Regional Community Colleges, SDSU,
 CSU San Marcos & National Universities
 (SDCCD includes San Diego City, Mesa, and Miramar Colleges)

This grid is designed to be used as an advising tool, only, and not as a guarantee of course equivalency for prior course work. (NE=No Equivalent Course)

Grossmont	Cuyamaca	Southwestern	SDCCD	MiraCosta	Palomar	IVC	SDSU	CSUSM	National
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College Level General or Principles of Biology is often required as a pre-requisite to microbiology, anatomy and physiology courses.

BIO 120	BIO 130 & 131	BIO 100 & 101	BIOL 107	BIO 110 or 111 & 111L	BIO 102	BIOL 100	BIOL 100 & 100L	BIOL 211	BIO 100 & 100A
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Human Anatomy (Program accepts the option of separate or combined Anatomy and Physiology.)

BIO 140	BIO 140	BIO 260	BIOL 230	BIO 210	BIOL 210	BIOL 204	BIOL 212	NE	NE
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Human Physiology

BIO 141	BIO 141	BIO 261	BIOL 235	BIO 220	BIOL 211	BIOL 206	BIO 261	NE	NE
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[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

- Course descriptions if not from local colleges

**GROSSMONT COLLEGE HEALTH PROFESSIONS
IMMUNIZATION REQUIREMENTS**

To be cleared for the Grossmont College Nursing Program each vaccination and/or test, no matter what form being submitted to the program office, **must have a signature and stamp** from one of the following: Healthcare Professionals completing the immunization/test or transcribing information onto the form: Physician, Physician Assistant, Nurse Practitioner, Registered Nurse, or Grossmont College Health Services Nurse.

NAME _____ STUDENT ID# _____
Last First

<p>MMR (Measles, Mumps, Rubella)</p> <p>Must include 2 vaccinations or a test for seropositivity (proof of immunity)</p> <p>Seropositivity If known past history of Measles, Mumps or Rubella.</p> <p>If born before January 1, 1957 only 1 dose of MMR or seropositivity is required.</p>	<p>Date #1: _____ <small>(today's date)</small></p> <p>Signature _____</p> <p>Date #2: _____ <small>(1 mo. following date #1)</small></p> <p>Signature _____</p> <p>S. Date: _____ <input type="checkbox"/> positive <input type="checkbox"/> negative</p> <p>Signature _____</p>	STAMP
<p>Hepatitis B</p> <p>Must include 3 vaccinations or a test for seropositivity (proof of immunity).</p> <p>#1 Health Professions students <u>must</u> complete the test for seropositivity.</p> <p>Seropositivity- If known past history of the Hep B infection and/or to verify immunity to Hep B.</p> <p>HepB Surface Antibody, Quantitative (QT) only (Qualitative(QL) results are not acceptable)</p> <p>Post-vaccination testing must be done 1 month after last dose of vaccine.</p>	<p>Date #1: _____ <small>(30-days date)</small></p> <p>Signature _____</p> <p>Date #2: _____ <small>(1 mo. following date #1)</small></p> <p>Signature _____</p> <p>Date #3: _____ <small>(2 mo. following date #2)</small></p> <p>Signature _____</p> <p>S. Date: _____ <small>(1 mo. following date #3)</small></p> <p><input type="checkbox"/> positive <input type="checkbox"/> negative</p> <p><small>*If negative, additional booster and/or series plus immunity test required</small></p>	STAMP
<p>Tetanus/ Diphtheria and Acellular Pertussis (TDAP)</p> <p><small>Must be given 2005 or after</small></p>	<p>Date #1: _____</p> <p>Signature _____</p>	STAMP
<p>Varicella (Chickenpox)</p> <p>Must include 2 vaccinations or test for seropositivity</p>	<p>Date #1: _____ <small>(today's date)</small></p> <p>Signature _____</p> <p>Date #2: _____ <small>(1 mo. following date #1)</small></p> <p>Signature _____</p> <p>S. Date: _____ <input type="checkbox"/> positive <input type="checkbox"/> negative</p> <p>Signature _____</p> <p><small>If known past history of chickenpox infection or statement from physician verifying past history.</small></p>	STAMP

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 (1 – 2 years)








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APPLYING TO COLLEGE

Future Students | Current Students | Alumni & Friends | Faculty & Staff | FIND PEOPLE: | WA WEB ADVISOR | Bb BLACK BOARD 

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

 Academics |  Student Services |  Campus Life |  Quick Links |  College Info

Apply & Enroll | Home » Student Services » Apply & Enroll



Student Services

Apply & Enroll

- Procedures
- Admissions Forms
- Articulation
- Assessment
- Roster Information
- Transcripts
- Verifications Of Enrollment
- International Students
- Residency

APPLY & ENROLL

[Important Changes and Updates for Students](#)

Deadline for new students to file an application and participate in matriculation (assessment & orientation/advising) in order to receive a registration appointment:

Spring 2015 October 31, 2014

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

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

SEATING A CVT CLASS

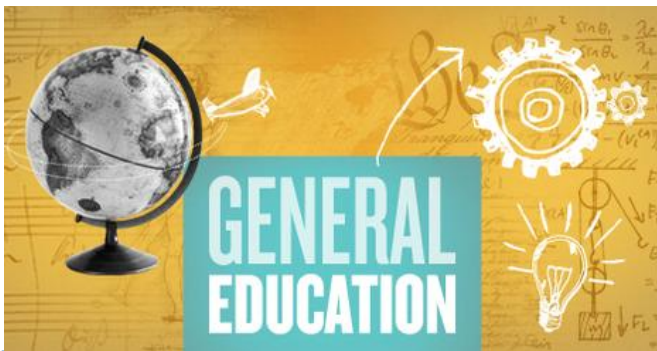


- Seat a new class of students each fall semester
- February/March applicants on waitlist are contacted and invited
- March class is seated
- May Orientation
- Paperwork due by end of July
- Program begins in August



GENERAL ED 24-26 UNITS

- 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, 1-2 units each)



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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



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- [Link to College Catalog and course descriptions](#)

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!

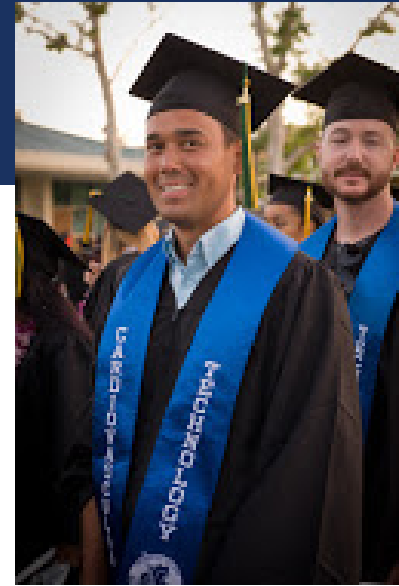
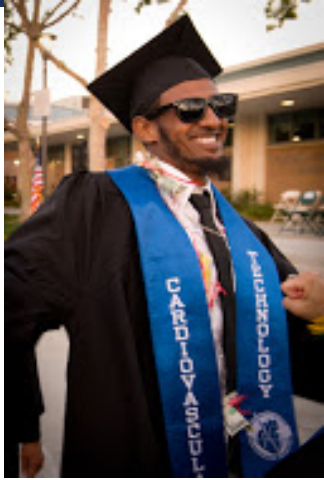
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	CLASS	CLASS	CLASS	CLASS		
	CLASS	LAB 1		LAB 2		FAMILY?
	Something Fun?		FAMILY?			
WORK?				WORK?		
					Significant Other?	

TRACK SELECTION

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



AS DEGREE IN CVT



MONEY

- Overall cost of program \$5000
- Tuition, books, uniforms, immunizations, malpractice insurance, background check, etc.
- Median Salary: \$69 – \$75,000
- www.salary.com



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SALARY SURFER





Health ▼

Display only programs with wage data

Health

Instructional programs that study the theories and techniques for the restoration or preservation of mental and physical health through the use of drugs, surgical procedures, manipulations, or other curative or remedial methods.

	Curriculum	Award Type	Median Annual Salary		
			2 Years Before	2 Years After	5 Years After
<input type="checkbox"/>	Administrative Medical Assisting	Degree	N/A	\$27,193	N/A
<input type="checkbox"/>	Administrative Medical Assisting	Certificate	\$20,140	\$28,286	\$21,211
<input type="checkbox"/>	Cardiovascular Technician	Degree	\$20,134	\$61,491	\$73,479
<input type="checkbox"/>	Cardiovascular Technician	Certificate	\$20,535	\$63,780	\$71,284
<input type="checkbox"/>	Clinical Medical Assisting	Degree	\$8,120	\$20,007	\$23,000
<input type="checkbox"/>	Clinical Medical Assisting	Certificate	\$13,485	\$27,717	\$32,992
<input type="checkbox"/>	Dental Assistant	Degree	\$15,422	\$20,845	\$22,204

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FINANCIAL AID

- www.grossmont.edu/fa
- Scholarships
- Unit limit – might want to postpone use of FA?
- FAFSA – Free Application for Federal Student Aid
 - Early completion
 - Select Grossmont College



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PROGRAM OUTCOMES: JOB PLACEMENT

Class of	Echo	Invasive	Vascular
2018	12/14	7/8	10/13
2017	8/11	8/10	4/6
2016	12/13	10/13	9/10
2015	12/13	7/8	9/10



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PROGRAM OUTCOMES: REGISTRY PASS RATES

Class of	Echo (RDCE)	Invasive (RCIS)	Vascular (RVT)
2018	11/12	3/4	12/13
2017	11/11	5/5	6/6
2016	13/13	5/5	10/10
2015	12/12	2/2	9/9



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BACKGROUND CHECK

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



INFORMATION

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