

GROSSMONT

College Catalog

2020|2021
www.grossmont.edu

GROSSMONT COLLEGE

8800 Grossmont College Drive, El Cajon, CA 92020-1799

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**GROSSMONT-CUYAMACA
COMMUNITY COLLEGE DISTRICT
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Robert McClain

Chancellor:

Lynn Ceresino Neault, Ed.D.

Grossmont College President:

Nabil Abu-Ghazaleh, Ed.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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GROSSMONT

College Catalog

2020/2021
www.grossmont.edu



Welcome to Grossmont College! *¡Bienvenidos a Grossmont College!*

نرحب بكم في كلية جروسمنت!

Dear student,

As you approach the 2020-21 school year, you will certainly notice that things are different. The most obvious is that the vast majority of classes are being held via distance learning. This year so far has been one of upheaval – from the coronavirus global epidemic to the growing Black Lives Matter movement and nationwide protests pushing back on systemic racial inequities. We have seen widely publicized, wildly disproportionate, and blatant murders of Black people by police and others in places where culture and laws have been twisted to make a virtue of demonizing and killing defenseless people.

In this time of change we also see top courts ruling time after time to reject discrimination against people for their sexual orientation and gender identity; against improper interpretations of laws by government officials seeking to restrict equitable access to financial assistance to college students; and against improper procedures used to disenfranchise undocumented childhood arrivals to the U.S. who have been welcomed legally and through their sincere efforts to integrate into our society.

This has been an unusual year. As a year when we will hold a pivotal presidential election, we can expect much more introspection and debate.

Part of our college mission is to develop our students' capacity to be leaders in their community. You may agree with me, think I have not gone far enough, or believe I have gone too far. I challenge you to use your education and your college engagement as an onramp to civic engagement regardless of your views.

Applying yourself to obtain a high-quality education is your key to being counted in our world as it transforms. You may want to understand how a microscopic virus brings the world to its knees or how social systems shape the treatment of fellow community members. Please remember that Grossmont College is your partner in your personal and professional growth.

Grossmont College looks forward to helping you better understand the world around you and how you can change it. Best of luck in your studies this academic year!

Regards,

Nabil Abu-Ghazaleh, Ed.D.
President, Grossmont College

NONDISCRIMINATION NOTICE

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

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

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

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

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

- **Tim Corcoran**, Vice Chancellor, Human Resources
Title IX Coordinator
8800 Grossmont College Drive
El Cajon, CA 92020-1799 • (619) 644-7572
- **Sara Varghese**, Dean, Student Affairs
Grossmont College, 8800 Grossmont College Drive
El Cajon, CA 92020-1799 • (619) 644-7600

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

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

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

SEXUAL HARASSMENT

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

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

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

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

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

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

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

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CALENDAR

FALL 2020

June 22-August 16Registration
 August 10-14..... Professional Development-Organizational Meetings
August 17..... Regular Day and Evening Classes Begin
 August 17-30..... Add/Drop Period
 August 31 Census Day
 September 7*..... Holiday (Labor Day)
 September 18..... Last Day to Apply for Pass/No Pass Semester Length Classes
 October 9..... Last Day to Apply for Fall 2020 Degree/Certificate
 October 10.....End of First 8-Week Session
 October 12..... Second 8-Week Session Begins
 November 8.....Last Day to Drop Semester Length Classes
 November 11*..... Holiday (Veterans Day)
 November 26*, 27*, 28* Thanksgiving Holiday
 December 7..... End of Second 8-Week Session
December 8-14.....Final Examinations
 December 14..... Close of Fall Semester
 December 15-January 31..... Winter Recess
 December 18..... Instructor Grade Deadline
 December 24-January 3 College and District Offices Closed
 December 25*, January 1* Holiday

Important dates

Holidays

* College and District offices closed.

JULY 2020

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SEPTEMBER

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2020-2021

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JUNE

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SPRING 2021

November 16-January 31	Registration
January 18*	Holiday (Martin Luther King Day)
January 26-29	Professional Development-Organizational Meetings
February 1	Regular Day & Evening Classes Begin
February 1-14	Add/Drop Period
February 12*-13*	Holiday (Lincoln Day observed)
February 15*	Holiday (Washington Day observed)
February 16	Census Day
March 5	Last Day to Apply for Pass/No Pass Semester Length Classes
March 12	Last Day to Apply for Spring 2021 Degree/Certificate
March 27	End of First 8-Week Session
March 29-April 3*	Spring Recess
April 5	Second 8-Week Session Begins
May 2	Last Day to Drop Semester Length Classes
May 29	End of Second 8-Week Session
May 31*	Holiday (Memorial Day)
June 1-7	Final Examinations
June 7	Close of Spring Semester
June 9	Grossmont Commencement
June 10	Instructor Grade Deadline

□ Important dates

○ Holidays

* College and District offices closed



IRENE PALACIOS

Distinguished Faculty

This Professor of Mathematics embodies Grossmont College's motto of "transforming lives through education" because she has witnessed the transformation many times in her 19 years at the campus, and because of her own story. "My personal journey is just one example of a life profoundly changed by access to higher education."

Growing up in an agricultural community in Arizona, Irene began contributing to the family income at the age of 12. She worked the cotton fields during the summer months and, at 15, worked the graveyard shift at a restaurant. Born to a single mother with health challenges, Irene's grandmother played a pivotal role in providing a safe environment to grow up in. By graduating class valedictorian, Irene earned a scholarship to attend Arizona State University.

As a math major, she was invited to participate in the JBMSHP (Joaquin Bustoz Math and Science Honors Program). "Perhaps the single most impactful event of my life was being part of the JBMSHP." With social and academic support from this program, Irene made the transition from a high school class of 27 to a college lecture hall of 500. Mentorship from the program opened doors to summer internships at SUNY Brockport, University of Notre Dame, and Carnegie Mellon University. As a result, Irene's project, the solution to the Perpetual American Put,

was featured in the Stochastic Calculus for Finance I textbook by Steven E. Shreve. After graduating from Arizona State University with a B.S. in Mathematics, Irene's summer research experience landed her a graduate teaching assistantship at Colorado State University where she later earned her M.S. in Statistics.

Irene began her career at Grossmont College in 1999, with early contributions in distance education. She designed and taught the first online math class—a groundbreaking step in making learning accessible to all students. Her work in online education with synchronous learning caught the attention of the online community, and Irene was invited to present at the Modeling Effective Educational Technology (MEET) Retreat in April 2010 and March 2012 hosted by the CCC Confer Team. For her efforts, she was awarded the Division's Teaching Excellence Award in 2011.

In the fall of 2015, Irene's passion for supporting students' academic needs led her to take on the position of Math Study Center Faculty Coordinator. In her position, Irene was instrumental in creating procedures that led to increased efficiency in the center's operation. To assure the best possible service to students, Irene designed tutor trainings focused on fostering professional and personal growth. To this day, Irene is credited for

bolstering our Math Study Center, making it a welcoming place where students can get the help they need.

Most recently, Irene was recognized for her work in designing and implementing our Peer Mentoring Program, now housed under the Via Rápida First Year Experience Program, efforts that earned her Innovator of the Year Award in 2019. Student development is another way in which she has contributed to excellence at Grossmont College. Irene was responsible for recruiting, hiring, and training students to serve as peer mentors. Through trainings, she helped students develop leadership skills and equipped them with the tools needed to support incoming students. She matched first-year students to peer mentors who offered academic and social support by connecting them to campus resources. It was noted that, in the first semester of the program, 67% of students who participated in peer mentoring returned to school the following semester compared to 53% of non-participants. This marked a significant contribution to student engagement, development and leadership.

Irene marvels at how education transformed her life and strives every day to pay it forward by helping students progress in their own journey. "When you get, give. When you learn, teach." – Dr. Maya Angelou



JULIE HANSEN

Distinguished Faculty

With an accounting background in the corporate world and jobs that have taken her around the globe, Grossmont College Computer Science and Information Systems instructor Julie Hansen made a mid-career switch to begin teaching. While being a college instructor came later in life, her love for teaching started early in life. Electing not to take the traditional route of starting college after high school, Julie Hansen worked at a bank in Oregon where she earned a position with the bank's test pilot program implementing the first computerized banking systems. Quickly learning the complexities of the new computer system, she traveled throughout the state introducing bank employees how to use their new computers. After years of crisscrossing the state of Oregon she took a vacation and fell in love with Hawaii, deciding to relocate to the islands. Her teaching streak continued as she turned to leading exercise classes while getting her real estate license, landing a job at a national real estate firm and training realtors how to use their computers. When Julie Hansen returned to the mainland, ready to seek out higher education, she attended Michigan State University earning her Bachelors' and Masters' degrees in Accounting Information Systems. Her first year at MSU she was asked to be an accounting Teaching Assistant and in her next years she served

as the lead Graduate Assistant. Nearing graduation she was recruited by local offices in Michigan and Illinois but chose to relocate to the West Coast, landing a job in the financial district of San Francisco at one of the "Big Eight" accounting firms. She traveled the globe consulting clients on how to implement effective training programs. After her worldwide travels, she settled down in San Diego to start a family raising two boys. Finding it necessary to return to work, she landed a job at City College teaching accounting. As she gained experience, she landed teaching assignments at Mesa college, and continued to network finding positions at Grossmont, Palomar, MiraCosta, Miramar Colleges, University of California San Diego, and San Diego State University.

A CrossFit athlete, Julie Hansen's equally high-energy approach to teaching is popular and her creativity in engaging students and introducing current topics including the future of everything and data analytics to Grossmont's CSIS program have garnered praise. She developed a "Shark Tank" experience in which students are grouped into teams to pitch proposals to a group of judges at the end of the semester. "After seeing results of what Julie accomplishes, now all the other faculty want to do this," said Clifton Quinn, department chair. "She is energetic, positive, helpful, and absolutely shows that she

very sincerely cares about her students and co-workers." Julie Hansen's early efforts helping the department's transition from print to digital textbooks and teaching material brought her recognition as a trailblazer. She represents Grossmont College in the San Diego Community College Computer Consortium, an active networking and information-sharing venue for technology instructors throughout the region.

Colleagues nominated Julie Hansen for the adjunct Distinguished Faculty Award recognizing her innovative ideas like creating applications and assessment tools to gauge students' progress. Her many contributions have greatly elevated the level of education in the Computer Science Information Systems program at Grossmont College. In recognition of her exemplary service and contributions to the campus, Hansen was lauded with the Adjunct Distinguished Faculty Award in Fall 2019 and was nominated to receive the League Excellence Award at the League for Innovators Conference in 2020.

OUR HISTORY AT GROSSMONT COLLEGE

It was a college starting from scratch – no name, no firm location and no construction funding. 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 Nov. 8, 1960. The first official organizational meeting of the Grossmont Junior College Governing Board occurred July 1, 1961. With an opening enrollment of 1,538, the first college classes convened Sept. 11, 1961, on the Monte Vista High School campus in Spring Valley.

An Auspicious Start

In an election held Sept. 18, 1962, voters approved a \$7.5 million facilities bond. The Governing Board moved to purchase a 135-acre site 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 Sept. 14, 1964. The Grossmont College campus was officially dedicated Dec. 12, 1964.

The first increment of the campus was planned to accommodate an enrollment of 2,500 daytime students, with the completed campus expected to serve 4,800 students. On Oct. 18, 1965, 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 Sept. 25, 1967.

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

Building A Modern Campus

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

In 2013, East County voters approved Prop. V, GCCCD's \$398 million bond measure. Prop. V projects are intended to prepare local students and veterans for college and career success by upgrading the District's career training facilities for science, medical and public safety. As part of Prop. V, a Veterans Support Center will be established on campus. Additionally, the campus will see extensive technology upgrades to classrooms, libraries and science labs, and access to campus facilities will be enhanced for people with disabilities. As part of Prop. V, a new Performing and Visual Arts Center and renovated Bldg. 31, which is part of the Science, Math & Career Complex,

will open in fall 2019. Additional planning is underway for construction in the Arts & Communication Complex and a new Bldg. 36 as part of the Science, Math & Career Complex. In total, these renovated and new facilities will change the look and student experience on the campus' west side.

Grossmont College Today

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

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

Following the Great Recession that started in 2008, the California state budget situation stabilized, allowing the college to offer more classes than in past years. The fall 2020 course schedule includes a more robust selection of classes to help students better achieve their educational goals and find academic, personal and professional success. During the 2018 – 2019 academic year, 1,860 students were approved to graduate, the most in college history. Furthermore, Grossmont College's students earned the most degrees and certificates – 4,348 – of any community college or district in San Diego County that year.

EDUCATIONAL PHILOSOPHY

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

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

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

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

GROSSMONT COLLEGE MISSION STATEMENT

Vision

Transforming Lives Through Education

Mission

Grossmont College provides an exemplary higher education learning environment through comprehensive and innovative instructional programs and student support services. By advancing equity and inclusion, we prepare our diverse student population to lead and engage with local and global communities.

We fulfill our mission by providing the people of East San Diego County and other communities with:

- Associate/ transfer degrees and certificate programs
- Career education and workforce development
- Preparation for collegiate success
- Exploration of academic and career options
- Lifelong learning opportunities

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.

GROSSMONT COLLEGE INSTITUTIONAL STUDENT LEARNING OUTCOMES

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

Critical & Creative Thinking

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

Communication Skills

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

Global & Local Perspectives

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

Technology & Information Skills

- Students will gain core information literacy skills by critically evaluating information, identifying the most reliable information from a variety of sources, and recognizing the importance of being well-informed and sharing information responsibly.
- Students will demonstrate skill in the use of technology and its ethical and responsible applications.

Life & Career Skills

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

PROGRAM STUDENT LEARNING OUTCOMES

Each program at Grossmont College has developed specific outcomes to convey the knowledge, skills, and abilities students will obtain upon completion of his or her major. The Program Outcomes are listed with the description of each major which begins on page 59.

THE ACADEMIC SENATE FOR CALIFORNIA COMMUNITY COLLEGES (ASCCC)

Ethics Statement

The ASCCC adopted the "American Association of University Professors (AAUP) Ethics Statement," and expanded upon it in 1994 and in 2002. In addition to the Ethics Statement, the ASCCC's 2002 paper, "Faculty as Professionals: Responsibilities, Standards and Ethics," provides suggestions about interacting with all members of the college community with the values of "equity, inclusion, openness, diversity, accountability, integrity and honor." Suggestions include: maintaining scholarly competence and honest academic conduct: insuring cultural and gender sensitivity – respecting students as individuals; encouraging the free pursuit of learning – securing student access and success; creating a learning environment of trust and sensitivity; establishing academic standards; and maintaining academic freedom. http://asccc.org/sites/default/files/publications/FacultyEthics_0.pdf

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. Fill out the online Assessment/Placement Questionnaire through WebAdvisor 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 receive placement by presenting transcripts to the Counseling Center or by submitting an Online Placement/Prerequisite Clearance Form. All new students are encouraged to evaluate their present skill levels by filling out the Assessment/Placement Questionnaire. This information is used to assist students in appropriate course selection. The Assessment/Placement Questionnaire 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).

Residency Information

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

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

I. Resident Classification

- 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.
- 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

- Residence.** The following rules are used to determine place of residence. Each student must provide appropriate documentation.
 1. The "residency determination date" is one year and one day prior to the beginning of the semester. Every person by law has a residence. A person can have only one residence. There is only **one** residency determination date per semester.
 2. To be eligible for resident classification, you must have established and maintained permanent residence in California at least one full year prior to the residency determination date.
 3. Residence is defined where one remains when not called elsewhere for labor or other special or temporary purposes, and to which one returns in seasons of repose.
 4. Residency of students between the ages of 18 and 19 on the residency determination date will be based on the residency status of the parent they are living with, or have most recently lived with. Between the ages of 18 and 19 the student is considered to be establishing their own residency, with the one-year waiting period starting on their 18th birthday.
 5. A residency can be changed only by the union of physical presence and intent.
 6. A person who wants to clear his or her residency for a current semester must do so during the semester, and not after the semester is over.
 7. A person cannot establish residency in California by simply attending school in California and demonstrate no actions of 'intent'.
 8. Conduct **consistent** with attaining California residency includes getting a California driver's license, registering your car in California, registering to vote in California, filing California resident tax form, maintaining an active bank account in California and maintaining permanent residence in the state.
 9. Conduct **inconsistent** with a claim for California residency includes getting or maintaining a driver's license and/or vehicle registration in another state, attending an out-of-state institution as a resident of that state, declaring non-residence for California income tax purposes, being claimed as a dependent by your out of state parent, being a petitioner for a divorce or lawsuit as a resident in another state, attending an out of state school as a resident of that state, or maintaining ties to your previous state of residence.

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 two years have 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 two years for the time he/she lives in California after being discharged. This three year waiver after the discharge date allows the time necessary to establish residence. After two years have elapsed, the student is subject to reclassification according to the policies stated in this section. A veteran who was discharged or released from at least 90 days of active service less than three years before the date of enrollment in a course commencing on or after July 1, 2015, and his/her dependents, regardless of the veteran's state of residence are entitled to resident classification.

Changes for VACA (Veteran's Choice Access Act 2015)

In September, 2018 the VACA Act was further amended by Pub.L. No 115-251 to add a new category of "covered individuals" eligible for an exemption to nonresident tuition. The new category includes individuals eligible for rehabilitation under 38 U.S. Code § 3102 pursuing a course of education with education assistance from the Training and Rehabilitation for Veterans with Service-Connected Disabilities (Chapter 31) education benefits program. This change is effective for courses provided during a quarter, semester, or term beginning after March 1, 2019. Currently this does not apply to dependents.

New Category of Covered Individuals in VACA

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

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

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

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

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

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

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

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

A student who is a U.S. citizen who has a parent or guardian who has been deported or was permitted to depart voluntarily under the federal Immigration and Nationality Act in accordance with Section 1229c of Title 8 of the United States Code. The student shall provide documents from the United States Citizenship and Immigration Services evidencing the deportation or voluntary departure of his or her parent or guardian. (AB141)

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. A student who meets the AB540 status (see Financial Aid) website <https://www.grossmont.edu/student-services/offices-and-services/fa/undocumented-students/ab540.aspx> for criteria.

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 providing student never established residency in another state.
 - 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 and Financial Aid file, and information contained in the student's appeal, will make the determination and notify the student by United States mail, postage prepaid.

Section 68090 requires that "The Statute Law and the rules and regulations adopted by the Governing Board shall be made available to the students at each institution." The following are on file in the library: 2018-2019 Grossmont College Catalog and California Education Code, commencing with Section 68000.

V. Reclassification and Financial Independence

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

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

VI. Non-Resident Tuition

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

VII. International Students

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

FIRST YEAR AND EDUCATIONAL SUPPORT SERVICES

Student Rights and Responsibilities

First Year and Educational Support Services 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 includes outreach services, orientation, placement/assessment, orientation, advisement, First Year Experience (FYE) and follow up services..

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

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

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

Admission: High School Students

Qualified high school 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 transcript and may be used toward meeting graduation requirements from Grossmont College. High school students are not eligible to receive Title IV Federal Financial Aid.

Dual Enrollment Program

The Dual Enrollment Program (college courses that are offered at the high school) allows qualified high school students to attend upon approval of a high school counselor and parent or guardian of the student. Courses attempted and units earned will be recorded on a college transcript and may be used toward meeting graduation requirements from Grossmont College. High school students are subject to the usual college regulations regarding attendance and scholarship. High school students are not eligible to receive Title IV Federal Financial Aid. For more information on the various Dual Enrollment options offered by Grossmont College, please see the Admission & Records website.

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. For information about General Education requirements or to develop an educational plan, contact the Grossmont College Counseling Department at: 619-644-7208 for an appointment with a Counselor or to find out more about walk-in services.

For the most updated and detailed information on our program and the application process, please visit the website at www.grossmont.edu/cvt.

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

- 1. High School graduation**, equivalency, or a higher degree.
- 2. Required immunizations.** Completion of the HepB series or a positive Hep B immunity test. Tdap, MMR series and Varicella series. All have specific requirements, refer to the program website for detailed information.
- 3. Completion of Anatomy, Physiology and Chemistry.** All courses to be completed with a grade of "C" or higher and must include a lab. Courses taken for the CVT major must be taken at a regionally accredited institution.
 - a.** Anatomy and Physiology (Bio 140, 141 and 141L or Bio144 and 145).
 - b.** Fundamentals of Chemistry (Chem 115)
 - Science recency requirement- Anatomy, Physiology and Chemistry must be completed within 7 years of the application date.
 - If taking the science prerequisites as a series (offered as part I and part II), applicants are strongly encouraged to complete the entire series at the college in which they started part I. This enables the student to maintain continuity with course content.

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

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

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

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

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

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

Admission: ECG Telemetry (CVTE) Program

www.grossmont.edu/ecg-telemetry

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

For the most updated and detailed information on our program and the application process, please visit the website at www.grossmont.edu/ecg-telemetry.

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

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

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

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

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

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

A small fee to Complio is required. Complio is a student compliance document tracking system that works with our programs and clinical sites for student placement during the 1 semester or 1 year program.

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

Admission: Registered Nursing (NURS) Programs

www.grossmont.edu/nursing

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

For the most updated and detailed information on our program and the application process, please visit the website at www.grossmont.edu/nursing.

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

- 1. High School graduation**, equivalency, or a higher degree.
- 2. Required immunizations and tests.** Completion of a 2-step series TB skin test or an IGRA blood test, the HepB series or a positive Hep B immunity test. Tdap, MMR series and Varicella series. All have specific requirements, refer to the program website for detailed information.
- 3. Completion of Anatomy, Physiology and Microbiology.** All courses to be completed with a grade of "C" or higher with a minimum combined GPA of 2.5 or higher and must include a lab. Courses taken for the Nursing major must be taken at a regionally accredited institution.
 - a.** Anatomy and Physiology (Bio 140, 141 and 141L or Bio144 and 145).
 - b.** Microbiology (Biology 152).
 - No more than one science prerequisite course may be repeated within 5 years of applying.
 - Online science labs are not permitted. Labs must be taken in a classroom setting for all science prerequisite courses.
 - Science recency requirement- Anatomy must be completed within 10 years, Physiology and Microbiology within 7 years, of the application date. Recency is determined from the date of the last science course taken. Repeating Physiology may meet the recency requirement if all 3 science courses have expired. Contact the Nursing Program office to discuss course repetition prior to enrolling in another science course.
 - If taking the science prerequisites as a series (offered as part I and part II), applicants are strongly encouraged to complete the entire series at the college in which they started part I. This enables the student to maintain continuity with course content.
 - Principles of Biology (Bio 120) is a prerequisite to the required science courses listed above. The equivalent to Bio 120 may be met with 1 year of high school biology including a lab for nursing majors only. Please see the program website for more information.
- 4. Successful completion of the ATI- TEAS**, the Test of Essential Academic Skills exam. This is a pre-entrance exam that covers basic Math, Reading, English and Science. All applicants must pass the most recent version in order to apply to the program; no previous versions are accepted. Students may prepare for this exam

by going to the ATI testing website at <http://www.atitesting.com>. TEAS study guides and online practice exams are available for purchase through the website. Applicants are strongly advised to visit the Nursing Program website PRIOR TO taking the exam for all TEAS policies, procedures and detailed information on remediation and repeating the exam at www.grossmont.edu/nursing/teastesting.

- 5. The Nursing major "fixed set" general education courses** are strongly recommended to be completed prior to application. If all or any of the courses are incomplete, points are not awarded for GE relevant coursework. The fixed set" includes; Communication 120 or 122, English 120 or 124, Math 102 or higher (Statistics is required for BSN transfer), Psychology 120, Sociology 114 or 120. Courses must be completed with no grade less than a "C."

Prospective students may submit a completed application packet to the nursing program during the application periods specified on the program website. Documentation for all criteria being considered for points, official transcripts of all science prerequisites and, any general education courses completed for the major must be submitted with the application. If courses were taken at Grossmont or Cuyamaca College, transcripts do not have to be included. Do not send transcripts electronically or by postal mail, they cannot be accepted.

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

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

The program application and accompanying forms can be found on the website. Additional requirements will be needed when accepting an invitation to the program, specific information will be provided to the student on acceptance. **IMPORTANT:** Students accepted to the Nursing Program are required to undergo a background check and urine drug screening test prior to starting the program and being placed at any clinical site. Students are responsible for a minimum cost for these procedures. Failure to pass either or both of these procedures, or any prior convictions of a misdemeanor or felony may interfere with acceptance to the program, clinical placement, eligibility for state licensure or securing employment. The Nursing Program cannot advise students on individual background checks or drug screens. Applicants are urged to visit the California Board of Registered Nursing at www.rn.ca.gov/ for more information.

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

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

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

Admission: Occupational Therapy Assistant (OTA) Program

www.grossmont.edu/ota

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

For the most updated and detailed information on our program and the application process, please visit the website at www.grossmont.edu/ota.

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

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

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

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

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

IMPORTANT: Students accepted to the OTA Program are required to undergo a total of 2 background checks and urine drug screening tests. Once prior to starting the program and being placed at any clinical site and

again during the 2nd year of the program. Students are responsible for a minimum cost for these procedures. Failure to pass either or both of these procedures, or any prior convictions of a misdemeanor or felony may interfere with acceptance to the program, clinical placement, NBCOT testing, eligibility for state licensure or securing employment. The OTA Program cannot advise students on individual background checks or drug screens. Applicants are urged to visit the Occupational Therapy Board of California website at <https://www.bot.ca.gov/applicants/index.shtml>, or call 916-263-2294 and the National Board for Certification in Occupational Therapy at 301-990-7979 for more information. A small fee to Comploio is required yearly. Comploio is a student compliance document tracking system that works with our program and clinical sites for student placement during the 2 year program.

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

Admission: Orthopedic Technology (OT) Program

www.grossmont.edu/orthotech

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

For the most updated and detailed information on our program and the application process, please visit the website at www.grossmont.edu/orthotech.

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

1. **High School graduation**, equivalency, or a higher degree.
2. **Required immunizations.** Completion of the HepB series or a positive Hep B immunity test. Tdap, MMR series and Varicella series. All have specific requirements, refer to the program website for detailed information.
3. **Completion of Anatomy or Anatomy & Physiology I** The course is to be completed with a grade of "C" or higher and must include a lab. Courses taken for the OT major must be taken at a regionally accredited institution.
 - a. Anatomy or Anatomy & Physiology I (Bio 140 or Bio144).
 - Science recency requirement- Anatomy or Anatomy & Physiology I must be completed within 10 years of the application date.

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

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

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

specific information will be provided to the student on acceptance. It is strongly recommended that students complete their General Education requirements prior to being accepted in the program.

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

A small fee to Complio is required yearly. Complio is a student compliance document tracking system that works with our program and clinical sites for student placement during the 1 year program.

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

Admission: Respiratory Therapy (RESP) Program

www.grossmont.edu/rtprogram

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

For the most updated and detailed information on our program and the application process, please visit the website at www.grossmont.edu/rtprogram

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

1. **High School graduation**, equivalency, or a higher degree.
2. **Required immunizations.** Completion of the HepB series or a positive Hep B immunity test. Tdap, MMR series and Varicella series. All have specific requirements, refer to the program website for detailed information.
3. **Completion of Anatomy, Physiology, Microbiology and Chemistry.** All courses to be completed with a grade of "C" or higher and must include a lab. Courses taken for the RT major must be taken at a regionally accredited institution.
 - a. Anatomy and Physiology (Bio 140, 141 and 141L or Bio144 and 145).
 - b. Microbiology (Bio 152)
 - c. Fundamentals of Chemistry (Chem 115 or 1 year of High School Chemistry).
 - Science recency requirement- Anatomy, Physiology, Microbiology and Chemistry must be completed within 7 years of the application date.
 - If taking the science prerequisites as a series (offered as part I and part II), applicants are strongly encouraged to complete the entire series at the college in which they started part I. This enables the student to maintain continuity with course content.

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

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

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

IMPORTANT: Students accepted to the RT Program are required to undergo a total of 2 background checks and urine drug screening tests. Once prior to starting the program and being placed at any clinical site and again prior to starting the 2nd year of the program. Students are responsible for a minimum cost for these procedures. Failure to pass either or both of these procedures, or any prior convictions of a misdemeanor or felony may interfere with acceptance to the program, clinical placement, eligibility for state licensure or securing employment. The RT Program cannot advise students on individual background checks or drug screens.

Applicants are urged to visit the Respiratory Care Board of California at <https://www.rcb.ca.gov/>.

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

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

Admission: 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 & 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 Anesthesia Technician website at <http://www.grossmont.edu/cte/anesthesiatech> 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 Anesthesia Technician 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. There is a minimum cost of \$65 for these procedures. 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 may be dropped from classes for non-payment of fees prior to the start of each semester.** The California College Promise Grant (formerly known as the Board of Governors Fee Waiver) provides methods to assist low-income students to pay the enrollment and health fees. Eligibility requirements are available in the Financial Aid Office or at 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. It may become necessary to levy additional fees in order to defray costs above and beyond those associated with instruction.

Other Costs

For other education related expenses, please visit www.grossmont.edu/student-services/offices-and-services/FA/studentguide/budgeting-and-awar.aspx

Health Fee

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

The mandatory health fee provides accident insurance for the protection of any student who may experience an injury while participating in a college sponsored credit or non-credit class, or other activity. The sponsored class or activity must be during a directly supervised, on-campus or school-related activity. The supervision of the sponsored class or activity must be by a member of the college staff at a college approved co-curricular activity or event. Insurance deductibles range from \$50 to \$100. Student insurance is secondary to any group, blanket franchise, group practice, individual practice or other pre-payment coverage; the claim must be filed with primary insurance first. Health Services information, accident/illness report forms and insurance claim forms and referrals for care can be obtained in Health Service, Building 60 – Room 130 (Inside Griffin Center) or by calling 619 644-7192 or the Health Services website www.grossmont.edu/health-services/.

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

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

B. Compulsory Military Service Requiring Withdrawal. (See Dropping Courses, page 25.)

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 or Admission and Records for dates.

TEXTBOOKS

A. Refunds - New and Used Texts

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

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

TRANSFER CREDIT

Evaluation of U.S. Transcripts

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

Evaluation of Foreign Transcripts

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

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

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

Grossmont College's Procedure for the Evaluation of Foreign Transcripts

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

VERIFICATIONS OF ENROLLMENT

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

VETERANS

Grossmont College is an approved institution for the training of veterans under United States and California statutes. The Veterans Office on campus will provide information regarding service-connected benefit programs. This office is designed to serve the needs of 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 (member 4, service 2 or 7) and a Certificate of Eligibility (COE) from the VA must be presented to the Veterans Office within the first semester of attendance. Veterans must request official transcripts of all previous college work, including military transcripts of service (AART, CGIT, CCAF or JST), be sent to the Admissions and Records Office. All transactions must be received and evaluated before enrollment will be submitted to Veterans Affairs for educational benefits. An official transcript is one that has been sent directly to Grossmont College from the issuing institution or one that is hand carried in a sealed envelope. Students not taking advantage of the GI Bill benefits who wish to receive credit should also submit official transcripts.

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

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

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

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

Title 38 Beneficiaries (VA Education Benefits)

Hold Preventing Drop for Non-Payment

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

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

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

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

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

Fall/Spring Semester

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

* Student considered full-time for VA purposes only.

Summer Session

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

Veterans should be aware that short-term classes and other flexible schedules may create change of training time affecting benefits. Check with the Veterans Office before registering for a course that does not begin on the first date of the semester and end on the last date of the semester. Please note that not all work experience courses qualify for veteran benefits. Contact the Veterans Office for additional information.

Options for Military Service Personnel to Fulfill the "Fitness/Wellness Requirement" for Graduation with an Associate's Degree:

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

1. Take any **TWO** Exercise Science or Dance courses designated as meeting the GE requirement (this is the current requirement for all students)

or

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

and

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

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 008A, B or C	Beginning, Intermediate or Advanced Indoor Cycling
ES 009A, B or C	Beginning, Intermediate or Advanced Aerobic Dance Exercise
ES 017A, B or C	Beginning, Intermediate or Advanced Trail Hiking
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 026	Stress Reduction Through Movement and Mindfulness
ES 027A, B or C	Beginning, Intermediate or Advanced T'ai Chi Ch'uan
ES 028A, B or C	Beginning, Intermediate or Advanced Yoga
ES 029	Adapted Yoga
ES 037A, B or C	Beginning, Intermediate or Advanced Springboard Diving
ES 039	Swimming for Nonswimmers
ES 040A, B or C	Beginning, Intermediate or Advanced Aquatic Fitness
ES 041	Adapted Water Aerobics
ES 043A, B or C	Beginning, Intermediate or Advanced Swimming
ES 044A, B or C	Beginning, Intermediate or Advanced Lap Swimming for Health and Fitness
ES 060A, B or C	Beginning, Intermediate or Advanced Badminton
ES 076A, B or C	Beginning, Intermediate or Advanced Tennis
ES 130A, B or C	Beginning, Intermediate or Advanced Gymnastics
ES 155A, B or C	Beginning, Intermediate or Advanced Basketball
ES 170A, B or C	Beginning, Intermediate or Advanced Soccer
ES 171A, B or C	Beginning, Intermediate or Advanced Softball
ES 172A, B or C	Beginning, Intermediate or Advanced Baseball
ES 175A, B or C	Beginning, Intermediate or Advanced Volleyball
ES 176A, B or C	Beginning, Intermediate or Advanced Beach Volleyball
ES 180	Self-Defense for Women
ES 185A, B or C	Beginning, Intermediate or Advanced Fencing

or

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

and

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

The Veterans Resource Center

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

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

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

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

RESTORATIVE JUSTICE

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

INTERNATIONAL STUDENT PROGRAM

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

Admission

1. Applications for admission must be received by the following deadlines:

Fall semester – June 1- for applicants from home country.

June 15 – for F1 Visa students transferring from United States school.

Spring semester – October 15 - for applicants from home country.

November 1 - for F1 Visa students transferring from United States school.

All application documents must be received by these deadlines.

2. Proof of English proficiency must be submitted in order to be considered for admission. The minimum score is 45 internet based TOEFL or 4.5 IELTS. The test score must be completed by the application deadline. (See information on American Collegiate English in the General Information section on page 286 of this catalog and visit www.grossmont.edu/ace.)

Full-Time Status

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

Financial Resources

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

Health

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

Housing

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

Grading Standards

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

Notification of Admission

Students will be notified of their acceptance to Grossmont College. Students are expected to be available for preregistration orientation and educational counseling approximately four to six 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 Dean of Student Affairs.

Computer Software Copyrights

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

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

1. The user is responsible for complying with whatever terms and conditions are specified in the license agreement or copyright statement which accompanies individual software acquisition.
2. No copies of software may be made except in the following cases:
 - a. Normally an archive copy of software is allowed for protection against accidental loss or damage. Archive copies of software should be securely stored and not used except to be recopied if the operational copy becomes damaged.
 - b. Some software, when site licensed may permit multiple use within the college. Such copies must be made only by the person or persons authorized to make copies by the terms of the site license.

- c. The number of simultaneous users and distribution of copies must be handled in such a way that the number of simultaneous users in a department does not exceed the number of licenses purchased by that department, unless otherwise stipulated in the purchase contract.
 - d. Some software, in particular programming languages, allows code to be copied and incorporated within user written software. Such use is generally permitted as long as the software is for personal use and not sold, rented, or leased. If distribution of commercial use is intended for software so produced, clearance must be secured from the copyright owner for the use of the incorporated code, and with the college for use of the equipment during production.
3. The intended or unintended piracy, damage, alteration or removal of any college acquired software may be treated as an act of theft or malicious destruction. Grossmont College may choose to withhold computer services to persons who have been identified as engaging in these acts.

ACADEMIC RENEWAL

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

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

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

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

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

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

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

The student may select Option I or Option II.

THE STUDENT MAY NOT APPLY FOR BOTH.

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

Procedure

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

ACCESS TO EDUCATIONAL PROGRAMS

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

ADDING COURSES

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

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

ATTENDANCE REQUIREMENTS

Instructors are obligated, at the beginning of the semester, to announce to their students their policy regarding excessive absence. When absences exceed the number of hours that a class meets in a week the instructor may drop the student from the class. Failure to attend the first class meeting (no show) may result in the student being dropped from the class.

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

AUDITING COURSES

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

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

COURSES TAKEN OUT OF SEQUENCE

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

CREDIT BY EXAMINATION

There are two policies that allow students to obtain credits by successfully passing examinations: (1) Credit by Examination, and (2) External Examinations. These policies are described in the colleges' catalogs.

- (1) Credit by Examination Credit by Examination may be obtained by any student who satisfactorily passes an examination approved and conducted by the appropriate department. Credit by Examination requires that:
 - The student is currently registered in the college and in good standing;
 - The course is listed in the college catalog;
 - The unit value may not be greater than that listed for the course in the catalog;
 - Students have not enrolled in, or completed, the same course or an advanced course at any college in the area in which Credit by Examination is requested.

Credits acquired via Credit by Examination are not applicable to unit load requirements such as Financial Aid, Selective Service deferment, and Veteran's or Social Security benefits.

Credits acquired via Credit by Examination shall not be counted in determining the 12 semester hours of credit in residence required for an Associate degree.

The student's academic record shall clearly indicate that the credit was earned by examination.

Credits acquired via Credit by Examination administered by the College District shall be charged the per unit enrollment fee established by Education Code section 76300.

(2) External Examinations

Credits may be awarded to students that successfully pass external examinations including Advanced Placement (AP), International Baccalaureate (IB) and College Level Examination Program (CLEP). Such exams may also be used for California State University (CSU) GE Breadth and Intersegmental General Education Transfer Curriculum (IGETC) certifications (Exception: CLEP is not currently accepted for IGETC or by the UC System). The student's academic transcript will be annotated to designate credit awarded by external examinations.

The following requirements apply:

Advanced Placement

- Credit is awarded for AP examinations passed with a score of 3 or above.
- Credit may be applied to specific general education areas and in some cases fulfill major requirements.
- General education credit awarded must meet the minimum standards outlined in the California Community College General Education AP List.
- Elective units are granted for examinations that do not fit into general education areas and/or fulfill major requirements.
- The District shall post its Advanced Placement Credit procedure on its public website.
- The California Community Colleges (CCC) AP policy stipulates a minimum number of AP credits awarded per examination (AB 1985). Grossmont and Cuyamaca Colleges will mirror the CSU GE Breadth AP credit list, which meets or exceeds the CCC AP Policy.

International Baccalaureate Achievement of a score that qualifies for credit on an International Baccalaureate (IB) Examination.

College Level Examination Program Examination Achievement of a score that qualifies for credit on a College Level Examination Program (CLEP) Examination.

The required score, total number of units awarded, and placement of credit in general education, shall be listed in the colleges' catalogs. Major courses fulfilled, if any, must also be listed in the colleges' catalogs.

CREDIT FOR MILITARY SERVICE SCHOOLS

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

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

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

DEFICIENCY NOTES

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

REMOVAL FROM CLASS AND/OR COLLEGE

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

DROPPING COURSES

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

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

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. No refunds will be given for military withdrawals.

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

EXAMINATIONS

Final Examinations

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

Early Finals

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

Late Finals

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

EXTERNAL EXAMS CREDIT

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

Advanced Placement (AP)

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

College Level Examination Program (CLEP)

Grossmont College awards general education and/or elective credit for CLEP examinations. Passing scores range from 50 and above (see chart). At the discretion of the appropriate instructional department faculty, CLEP may be used to clear major requirements. A student may earn up to a maximum of 18 units of CLEP at Grossmont College. Students intending to transfer should check with the transferring institution to determine their policy. Students are cautioned that CLEP policies vary among colleges. The CSU has approved the application of CLEP on GE certifications and has a 30-unit overall cap on the acceptance of CLEP credit. To obtain CLEP transcripts, visit www.collegeboard.org.

International Baccalaureate (IB)

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

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

GCCCD = Grossmont-Cuyamaca Community College District

GC = Grossmont College

CC = Cuyamaca College

CSU = California State University General Education Breadth Certification

UC = University of California

IGETC = Intersegmental General Education Transfer Curriculum

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

ADVANCED PLACEMENT (AP)

AP EXAM	TOTAL UNITS AWARDED	GENERAL EDUCATION	GCCCD MAJOR COURSES FULFILLED
Art History	GCCCD: 6 CSU: 6 UC: 5.3 CCC: 3	GC: 3, Area C CSU GE: 3, Area C1 or C2 IGETC: 3, Area 3A or 3B CCC: 3, Humanities	ART 140, 141
Biology	GCCCD: 6 CSU: 6 UC: 5.3 CCC: 4	GC: 4, Area B1-w/lab CSU GE: 4, Area B2, B3 IGETC: 4, Area 5B, 5C CCC: 4, Natural Sciences	CC: BIO 130, 131 GC: BIO 120
Calculus AB	GCCCD: 3 CSU: 3 UC: 2.7 CCC: 3	GC: 3, Area A3 CSU GE: 3, Area B4 IGETC: 3, Area 2A CCC: 3, Language and Rationality	MATH 180
Calculus BC	GCCCD: 6 CSU: 6 UC: 5.3 CCC: 3	GC: 3, Area A3 CSU GE: 3, Area B4 IGETC: 3, Area 2A CCC: 3, Language and Rationality	MATH 280
Calculus BC / AB Subscore	GCCCD: 3 CSU: 3 UC: 2.7 CCC: 3	GC: 3, Area A3 CSU GE: 3, Area B4 IGETC: 3, Area 2A CCC: 3, Language and Rationality	MATH 180
Chemistry	GCCCD: 6 CSU: 6 UC: 5.3 CCC: 4	GC: 4, Area B2 – w/lab CSU GE: 4, Area B1, B3 IGETC: 4, Area 5A, 5C CCC: 4, Natural Sciences	CHEM 120 (Score of 3) CHEM 141 (Score of 4 or 5)
Chinese Language & Culture	GCCCD: 6 CSU: 6 UC: 5.3 CCC: 3	GC: 3, Area C CSU GE: 3, Area C2 IGETC: 3, Area 3B, 6A CCC: 3, Humanities	CHIN 120, 121
Comparative Government & Politics	GCCCD: 3 CSU: 3 UC: 2.7 CCC: 3	GC: 3, Area D CSU GE: 3, Area D IGETC: 3, Area 4 CCC: 3, Social/Behavioral Sciences	POSC 124
Computer Science A	GCCCD: 3 CSU: 3 UC: 1.3 CCC: 3	N/A	CC: CS 182 GC: CSIS 293
Computer Science AB	GCCCD: 6 CSU: 6 UC: 2.7 CCC: 3	N/A	N/A
Computer Science Principles	GCCCD: 6 CSU: 6 UC: 2.7 CCC: 3	GC: 3, A3 CSU: 3, B4 IGETC: N/A	N/A
English Language & Composition	GCCCD: 6 CSU: 6 UC: 5.3 CCC: 3	GC: 3, Area A1 CSU GE: 3, Area A2 IGETC: 3, Area 1A CCC: 3, Language and Rationality	ENGL 120

AP EXAM	TOTAL UNITS AWARDED	GENERAL EDUCATION	GCCCD MAJOR COURSES FULFILLED
English Literature & Composition	GCCCD: 6 CSU: 6 UC: 5.3 CCC: 3	GC: 6, Area A1, C CSU GE: 6, Area A2, C2 IGETC: 3, Area 1A or 3B CCC: 3, Language and Rationality or Humanities	ENGL 120, 122
Environmental Science	GCCCD: 4 CSU: 4 UC: 2.7 CCC: 4	GC: 4, Area B2 – w/lab CSU GE: 4, Area B1, B3 IGETC: 4, Area 5A, 5C CCC: 4, Natural Sciences	N/A
European History	GCCCD: 6 CSU: 6 UC: 5.3 CCC: 3	GC: 3, Area C CSU GE: 3, Area C2 or D IGETC: 3, Area 3B or 4 CCC: 3, Social/Behavioral Sciences or Humanities	HIST 105, 106
French Language & Culture	GCCCD: 6 CSU: 6 UC: 5.3 CCC: 3	GC: 3, Area C CSU GE: 3, Area C2 IGETC: 3, Area 3B, 6A CCC: 3, Humanities	FREN 120, 121
German Language & Culture	GCCCD: 6 CSU: 6 UC: 5.3 CCC: 3	GC: 3, Area C CSU GE: 3, Area C2 IGETC: 3, Area 3B & 6A CCC: 3, Humanities	GC: GERM 120, 121
Human Geography	GCCCD: 3 CSU: 3 UC: 2.7 CCC: 3	GC: 3, Area D CSU GE: 3, Area D IGETC: 3, Area 4 CCC: 3, Social/Behavioral Sciences	GEOG 130
Italian Language & Culture	GCCCD: 6 CSU: 6 UC: 5.3 CCC: 3	GC: 3, Area C CSU GE: 3, Area C2 IGETC: 3, Area 3B, 6A CCC: 3, Humanities	ITAL 120, 121
Japanese Language & Culture	GCCCD: 6 CSU: 6 UC: 5.3 CCC: 3	GC: 3, Area C CSU GE: 3, Area C2 IGETC: 3, Area 3B, 6A CCC: 3, Humanities	GC: JAPAN 120, 121
Latin	GCCCD: 6 CSU: 6 UC: 2.7 CCC: 3	GC: 3, Area C CSU GE: 3, Area C2 IGETC: 3, Area 3B, 6A CCC: 3, Humanities	N/A
Macroeconomics	GCCCD: 3 CSU: 3 UC: 2.7 CCC: 3	GC: 3, Area D CSU GE: 3, Area D IGETC: 3, Area 4 CCC: 3, Social/Behavioral Sciences	ECON 120
Microeconomics	GCCCD: 3 CSU: 3 UC: 2.7 CCC: 3	GC: 3, Area D CSU GE: 3, Area D IGETC: 3, Area 4 CCC: 3, Social/Behavioral Sciences	ECON 121
Music Theory	GCCCD: 6 CSU: 6 UC: 5.3 CCC: 3	GC: 3, Area C CSU GE: N/A IGETC: N/A CCC: 3, Humanities	MUS 105, 106
Physics B	GCCCD: 4 CSU: 6 UC: 5.3 CCC: N/A	GC: 4, Area B2 – w/lab CSU: 4, Area B1, B3 IGETC: 4, Area 5A, 5C CCC: N/A	N/A
Physics 1: Algebra-Based	GCCCD: 4 CSU: 4 UC: 5.3 CCC: 4	GC: 4, Area B2 – w/lab CSU GE: 4, Area B1, B3 IGETC: 4, Area 5A, 5C CCC: 4, Natural Sciences	PHYC 110
Physics 2: Algebra-Based	GCCCD: 4 CSU: 4 UC: 5.3 CCC: 4	GC: 4, Area B2 – w/lab CSU GE: 4, Area B1, B3 IGETC: 4, Area 5A, 5C CCC: 4, Natural Sciences	PHYC 110

AP EXAM	TOTAL UNITS AWARDED	GENERAL EDUCATION	GCCCD MAJOR COURSES FULFILLED
Physics C: Electricity & Magnetism	GCCCD: 4 CSU: 4 UC: 2.7 CCC: 4	GC: 4, Area B2 – w/lab CSU GE: 4, Area B1, B3 IGETC: 4, Area 5A, 5C CCC: 4, Natural Sciences	CC: Area B – w/lab GC: PHYC 240
Physics C: Mechanics	GCCCD: 4 CSU: 4 UC: 2.7 CCC: 4	GC: 4, Area B2 – w/lab CSU GE: 4, Area B1, B3 IGETC: 4, Area 5A, 5C CCC: 4, Natural Sciences	CC: Area B – w/lab GC: PHYC 140
Psychology	GCCCD: 3 CSU: 3 UC: 2.7 CCC: 3	GC: 3, Area D CSU GE: 3, Area D IGETC: 3, Area 4 CCC: 3, Social/Behavioral Sciences	PSY 120
Spanish Language & Culture	GCCCD: 6 CSU: 6 UC: 5.3 CCC: 3	GC: 3, Area C CSU GE: 3, Area C2 IGETC: 3, Area 3B, 6A CCC: 3, Humanities	SPAN 120, 121
Spanish Literature & Culture	GCCCD: 6 CSU: 6 UC: 5.3 CCC: 3	GC: 3, Area C CSU GE: 3, Area C2 IGETC: 3, Area 3B, 6A CCC: 3, Humanities	N/A
Statistics	GCCCD: 3 CSU: 3 UC: 2.7 CCC: 3	GC: 3, Area A3 CSU GE: 3, Area B4 IGETC: 3, Area 2A CCC: 3, Language and Rationality	MATH 160
Studio Art - 2D Design	GCCCD: 3 CSU: 3 UC: 5.3 CCC: 3	GC: 3, Area C CSU GE: N/A IGETC: N/A CCC: N/A	ART 120
Studio Art - 3D Design	GCCCD: 3 CSU: 3 UC: 5.3 CCC: 3	GC: 3, Area C CSU GE: N/A IGETC: N/A CCC: N/A	ART 129
Studio Art - Drawing	GCCCD: 3 CSU: 3 UC: 5.3 CCC: 3	GC: 3, Area C CSU GE: N/A IGETC: N/A CCC: N/A	ART 124
US Government & Politics	GCCCD: 3 CSU: 3 UC: 2.7 CCC: 3	GC: 3, Area D CSU GE: 3, Area D, AI US-2 IGETC: 3, Area 4 CCC: 3, Social/Behavioral Sciences	POSC 121
US History	GCCCD: 6 CSU: 6 UC: 5.3 CCC: 3	GC: 3, Area C or D CSU GE: 3, Area C2 or D, AI US-1 IGETC: 3, Area 3B or 4 CCC: 3, Social/Behavioral Sciences or Humanities	HIST 108, 109
World History Modern	GCCCD: 3 CSU: 3 UC: 5.3 CCC: 3	GC: 3, Area C or D CSU GE: 3, Area C2 or D IGETC: 3, Area 3B or 4 CCC: 3, Social/Behavioral Sciences or Humanities	HIST 100

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

* If a student passes more than one AP examination in Calculus or Computer Science, only one examination may be applied to the baccalaureate.

* If a student passes more than one AP examination in Physics, only six units of credit may be applied to the baccalaureate and only four units of credit may be applied to a certification in General Education Breadth.

Reference: CSU Chancellor's Office Memo Code: ASA--2019-03; Systemwide Credit for External Examinations, January 28, 2019.

COLLEGE LEVEL EXAMINATION PROGRAM (CLEP) EXAMINATIONS

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

CLEP EXAMINATION	APPROVED SCORE	TOTAL UNITS AWARDED	GENERAL EDUCATION
American Government	50	GCCCD: 3 CSU: 3 UC: N/A	GC: 3 units, Area D CSU GE: 3 units, Area D IGETC: N/A
American Literature	50	GCCCD: 3 CSU: 3 UC: N/A	GC: 3 units, Area C CSU GE: 3 units, Area C2 IGETC: N/A
Analyzing and Interpreting Literature	50	GCCCD: 3 CSU: 3 UC: N/A	GC: 3 units, Area C CSU GE: 3 units, Area C2 IGETC: N/A
Biology	50	GCCCD: 3 CSU: 3 UC: N/A	GC: 3 units, Area B1 - no lab CSU GE: 3 units, Area B2 - no lab IGETC: N/A
Calculus	50	GCCCD: 3 CSU: 3 UC: N/A	GC: 3 units, Area A3 CSU GE: 3 units, Area B4 IGETC: N/A
Chemistry	50	GCCCD: 3 CSU: 3 UC: N/A	GC: 3 units, Area B2 - no lab CSU GE: 3 units, Area B1 - no lab IGETC: N/A
College Algebra	50	GCCCD: 3 CSU: 3 UC: N/A	GC: 3 units, Area A3 CSU GE: 3 units, Area B4 IGETC: N/A
College Algebra-Trigonometry	50	GCCCD: 3 CSU: 3 UC: N/A	GC: 3 units, Area A3 CSU GE: 3 units, Area B4 IGETC: N/A
College Composition	50	GCCCD: 3 CSU: N/A UC: N/A	GC: 3 units, Area A1 CSU GE: N/A IGETC: N/A
College Mathematics	50	GCCCD: 3 CSU: N/A UC: N/A	GC: 3 units, Area A3 CSU GE: N/A IGETC: N/A
English Composition (with or without essay)	50	GCCCD: 3 CSU: N/A UC: N/A	GC: 3 units, Area A1 CSU GE: N/A IGETC: N/A
English Literature	50	GCCCD: 3 CSU: 3 UC: N/A	GC: 3 units, Area C CSU GE: N/A IGETC: N/A
Financial Accounting	50	GCCCD: 3 CSU: 3 UC: N/A	GC: 3 units, Elective Credit CSU GE: N/A IGETC: N/A
French Level I	50	GCCCD: 6 CSU: 6 UC: N/A	GC: 5 units, Area C CSU GE: N/A IGETC: N/A
French Level II	50	GCCCD: 9 CSU: 9 UC: N/A	GC: 5 units, Area C CSU GE: 3 units, Area C2 IGETC: N/A
German Level I	50	GCCCD: 6 CSU: 6 UC: N/A	GC: 5 units, Area C CSU GE: N/A IGETC: N/A

CLEP EXAMINATION	APPROVED SCORE	TOTAL UNITS AWARDED	GENERAL EDUCATION
German Level II	60	GCCCD: 9 CSU: 9 UC: N/A	GC: 5 units, Area C CSU GE: 3 units, Area C2 IGETC: N/A
History: US I	50	GCCCD: 3 CSU: 3 UC: N/A	GC: 3 units, Area D CSU GE: 3 units, Area D, US-1 IGETC: N/A
History: US II	50	GCCCD: 3 CSU: 3 UC: N/A	GC: 3 units, Area D CSU GE: 3 units, Area D, US-1 IGETC: N/A
Human Growth and Development	50	GCCCD: 3 CSU: 3 UC: N/A	GC: 3 units, Area D CSU GE: 3 units, Area E IGETC: N/A
Humanities	50	GCCCD: 3 CSU: 3 UC: N/A	GC: 3 units, Area C CSU GE: 3 units, Area C2 IGETC: N/A
Information Systems and Computer Applications	50	GCCCD: 3 CSU: 3 UC: N/A	GC: 3 units, Elective Credit CSU GE: N/A IGETC: N/A
Introduction to Educational Psychology	50	GCCCD: 3 CSU: 3 UC: N/A	GC: 3 units, Elective Credit CSU GE: N/A IGETC: N/A
Introductory Business Law	50	GCCCD: 3 CSU: 3 UC: N/A	GC: 3 units, Elective Credit CSU GE: N/A IGETC: N/A
Introductory Psychology	50	GCCCD: 3 CSU: 3 UC: N/A	GC: 3 units, Area D CSU GE: 3 units, Area D IGETC: N/A
Introductory Sociology	50	GCCCD: 3 CSU: 3 UC: N/A	GC: 3 units, Area D CSU GE: 3 units, Area D IGETC: N/A
Natural Sciences	50	GCCCD: 3 CSU: 3 UC: N/A	GC: 3 units, Area B1 or B2 - no lab CSU GE: 3 units, Area B1 or B2 - no lab IGETC: N/A
Precalculus	50	GCCCD: 3 CSU: 3 UC: N/A	GC: 3 units, Area A3 CSU GE: 3 units, Area B4 IGETC: N/A
Principles of Accounting	50	GCCCD: 3 CSU: 3 UC: N/A	GC: 3 units, Elective Credit CSU GE: N/A IGETC: N/A
Principles of Macroeconomics	50	GCCCD: 3 CSU: 3 UC: N/A	GC: 3 units, Area D CSU GE: 3 units, Area D IGETC: N/A
Principles of Management	50	GCCCD: 3 CSU: 3 UC: N/A	GC: 3 units, Elective Credit CSU GE: N/A IGETC: N/A
Principles of Marketing	50	GCCCD: 3 CSU: 3 UC: N/A	GC: 3 units, Elective Credit CSU GE: N/A IGETC: N/A

CLEP EXAMINATION	APPROVED SCORE	TOTAL UNITS AWARDED	GENERAL EDUCATION
Principles of Microeconomics	50	GCCCD: 3 CSU: 3 UC: N/A	GC: 3 units, Area D CSU: 3 units, Area D IGETC: N/A
Social Sciences and History	50	GCCCD: 3 CSU: N/A UC: N/A	GC: 3 units, Area D CSU GE: N/A IGETC: N/A
Spanish Level I	50	GCCCD: 6 CSU: 6 UC: N/A	GC: 5 units, Area C CSU GE: N/A IGETC: N/A
Spanish Level II	63	GCCCD: 9 CSU: 9 UC: N/A	GC: 5 units, Area C CSU: 3 units, Area C2 IGETC: N/A
Trigonometry	50	GCCCD: 3 CSU: 3 UC: N/A	GC: 3 units, Area A3 CSU: N/A IGETC: N/A
Western Civilization I	50	GCCCD: 3 CSU: 3 UC: N/A	GC: 3 units, Area C or D CSU: 3 units, Area C2 or D IGETC: N/A
Western Civilization II	50	GCCCD: 3 CSU: 3 UC: N/A	GC: 3 units, Area C or D CSU: 3 units, Area D IGETC: N/A

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

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

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

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

Reference: CSU Chancellor's Office Memo Code: ASA-2019-03; Systemwide Credit for External Examinations, January 28, 2019.

INTERNATIONAL BACCALAUREATE (IB) EXAMINATIONS

EXAM	APPROVED SCORE	TOTAL UNITS AWARDED	GENERAL EDUCATION
Biology HL	GCCCD: 5 CSU: 5 UC: 5	GCCCD: 6 CSU: 6 UC: 5.3	GC: 3, Area B1 - no lab CSU GE: 3, Area B2 - no lab IGETC: 3, 5B - no lab
Chemistry HL	GCCCD: 5 CSU: 5 UC: 5	GCCCD: 6 CSU: 6 UC: 5.3	GC: 3, Area B2 - no lab CSU GE: 3, Area B1 - no lab IGETC: 3, Area 5A - no lab
Economics HL	GCCCD: 5 CSU: 5 UC: 5	GCCCD: 6 CSU: 6 UC: 5.3	GC: 3, Area D CSU GE: 3, Area D IGETC: 3, Area 4
Geography HL	GCCCD: 5 CSU: 5 UC: 5	GCCCD: 6 CSU: 6 UC: 5.3	GC: 3, Area D CSU GE: 3, Area D IGETC: 3, Area 4
History (any region) HL	GCCCD: 5 CSU: 5 UC: 5	GCCCD: 6 CSU: 6 UC: 5.3	GC: 3, Area C or D CSU GE: 3, Area C2 or D IGETC: 3, Area 3B or 4
Language A Literature HL† (any language, except English)	GCCCD: 4 CSU: 4 UC: 5	GCCCD: 6 CSU: 6 UC: 5.3	GC: 3, Area C CSU GE: 3, Area C2 IGETC: 3, Area 3B & 6A*
Language A Language and Literature HL† (any language, except English)	GCCCD: 4 CSU: 4 UC: 5	GCCCD: 6 CSU: 6 UC: 5.3	GC: 3, Area C CSU GE: 3, Area C2 IGETC: 3, Area 3B & 6A*
Language A1 Literature HL (any language)	GCCCD: 4 CSU: 4 UC: 5	GCCCD: 6 CSU: 6 UC: 5.3	GC: 3, Area C CSU GE: 3, Area C2 IGETC: 3, Area 3B
Language A2 Language and Literature (any language)	GCCCD: 4 CSU: 4 UC: 5	GCCCD: 6 CSU: 6 UC: 5.3	GC: 3, Area C CSU GE: 3, Area C2 IGETC: 3, Area 3B
Language B (any language) HL	GCCCD: 4 CSU: 4 UC: 5	GCCCD: 6 CSU: 6 UC: 5.3	GC: N/A CSU: N/A IGETC: 3, Area 6A
Mathematics HL	GCCCD: 4 CSU: 4 UC: 5	GCCCD: 6 CSU: 6 UC: 5.3	GC: 3, Area A3 CSU GE: 3, Area B4 IGETC: 3, Area 2
Physics HL	GCCCD: 5 CSU: 5 UC: 5	GCCCD: 6 CSU: 6 UC: 5.3	GC: 4, Area B2 - no lab CSU: 4, Area B1 - no lab IGETC: 3, Area 5A - no lab
Psychology HL	GCCCD: 5 CSU: 5 UC: 5	GCCCD: 3 CSU: 3 UC: 5.3	GC: 3, Area D CSU GE: 3, Area D IGETC: 3, Area 4
Theater HL	GCCCD: 4 CSU: 4 UC: 5	GCCCD: 6 CSU: 6 UC: 5.3	GC: 3, Area C CSU GE: 3, Area C1 IGETC: 3, Area 3A

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

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

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

Reference: CSU Chancellor's Office Memo Code: 2019-03; Systemwide Credit for External Examinations, January 28, 2019.

FAMILY EDUCATIONAL RIGHTS AND PRIVACY ACT

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

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

For more information, please visit: www.grossmont.edu/student-services/applyenroll/ferpa.aspx

FINAL GRADES

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

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

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

GRADE FORGIVENESS

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

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

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

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

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

GRADING SYSTEM AND NOTATIONS

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

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).
EW	Excused Withdrawal: The "EW" symbol may be used as described in, and in accordance with, section 55024. (1) "Excused Withdrawal" (EW) occurs when a student is permitted to withdraw from a course(s) due to specific events beyond the control of the student affecting his or her ability to complete a course(s) and may include a job transfer outside the geographical region, an illness in the family where the student is the primary caregiver, when the student who is incarcerated in a California state prison or county jail is released from custody or involuntarily transferred before the end of the term, when the student is the subject of an immigration action, or other extenuating circumstances as described in (a)(2), making course completion impracticable. In the case of an incarcerated student, an excused withdrawal cannot be applied if the failure to complete the course(s) was the result of a student's behavioral violation or if the student requested and was granted a mid-semester transfer. Upon verification of these conditions and consistent with the district's required documentation substantiating the condition, an excused withdrawal symbol may be assigned at any time after the period established by the governing board during which no notation is made for withdrawals. The withdrawal symbol so assigned shall be an "EW." (2) Excused withdrawal shall not be counted in progress probation and dismissal calculations. (3) Excused withdrawal shall not be counted toward the permitted number of withdrawals or counted as an enrollment attempt. (4) In no case may an excused withdrawal result in a student being assigned an "FW" grade.
MW	Military Withdrawal awarded to active or reserve military personnel upon receipt of military orders compelling a withdrawal from courses.
P	Pass is equal to a "C" grade or higher and units are not calculated in GPA. (formerly Credit)
NP	No Pass is equal to less than a "C" grade. Units are not calculated in GPA. Pass or No Pass may be assigned only if the course is indicated as pass/no pass or if the student has elected this option. (formerly No Credit)
I	Incomplete - Incomplete academic work for unforeseeable, emergency and justifiable reasons at the end of the term, may result in an "I" symbol being entered in the student's record. An incomplete grade may be given only after the student has contacted the instructor; awarding of an "I" is at the discretion of the instructor. The "I" may be made up no later than one semester following the end of the term in which it was

assigned. The "I" symbol shall not be used in calculating units attempted nor for grade points. A student may petition for extension of the time limit for removal of the incomplete. The petition must include evidence of approval from the instructor.

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

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

P, NP, W, EW, MW, I, IP and RD grades are not used in computation of grade point average but the W, NP and I are used for purposes of progress alert and dismissal 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 dismissal, scholarship, eligibility for graduation, and transfer are all influenced or determined by grade point average; hence, students should pay constant attention to their own grade point standing.

HONORS

Vice President's List and President's List

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

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

President's List.

Part-time students are eligible for the **Vice President's List** if they: (1) complete 12 units in one academic year (fall and spring semesters) with a grade point average of 3.5 or higher and (2) are enrolled in fewer than 12 units per semester.

Graduation With Honors

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

HONORS PROGRAM

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

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

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

INCOMPLETE GRADES

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

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

The student is responsible for acknowledging the following:

1. Completing the coursework as outlined in the Incomplete Grade Contract. Upon satisfactory completion, the instructor will replace the "I" with a grade.
2. The "I" is not used in calculating GPA or units.
3. The "I" cannot be cleared by re-enrolling in the course.
4. The grade earned on the portion of work completed for the course (as specified in the course syllabus)

must be used to calculate the final grade for the course.

5. A signed Incomplete Grade Contract in which the student agrees to complete remaining coursework, must be filed by the instructor. In the case of an extreme emergency where the student is unable to meet with the instructor, the instructor may initiate and file the Incomplete Grade Contract, sending a copy to the student for signature. The contract is invalid without both instructor and student signatures. Without the student's signature, the I will revert to the default grade at the end of the following semester.
6. Class time and/or assignments outlined in the Incomplete Grade Contract must be completed by the end of the 16-week semester following the date on the contract. If not, the "I" will revert to the default grade assigned on the Incomplete Grade Contract.
7. An extension of time for removal of the "I" must be petitioned by the student. The petition must include evidence of approval from the instructor.
8. In the event that the original instructor of record on the Incomplete Grade Contract is unavailable, the student must see the appropriate department chair or dean for alternate arrangements.

LIMITATIONS ON ENROLLMENT (Courses Related in Content)

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

STUDIO ARTS / DIGITAL ART / PHOTOGRAPHY FAMILIES Courses Related in Content		
Maximum four (4) attempts for any family group. An attempt includes:		
<ul style="list-style-type: none"> • Completion • Final grade resulting in a "W" or "NP" or "F" • Incomplete 		
	Grossmont Course	Cuyamaca Course
Studio Arts Foundations		
ART 120: Two-Dimensional Design	X	X
ART 129: Three-Dimensional Design	X	X
ART 148: Introduction to Crafts		X
Ceramics Foundations		
ART 126: Ceramics I	X	
ART 127: Ceramics II	X	
ART 128: Ceramics III	X	
Ceramics Concepts and Practices		
ART 136: Glaze Formulation	X	
ART 226: Ceramics IV	X	
ART 227: Ceramics Exhibition & Portfolio	X	
Digital Art Foundations		
ART 171: Introduction to Digital Art	X	
ART 172: Interactive Media Art	X	
ART 175: Digital Imaging and Art	X	
GD 105: Fundamentals of Digital Media		X
GD 126: Photoshop Digital Imaging		X
Digital Art: Drawing and Illustration		
ART 177: Digital Drawing and Painting	X	
ART 184: Drawing for Animation	X	
ART 240: Portraiture and Character Design	X	
GD 225: Digital Illustration		X
Drawing Foundations		
ART 124: Drawing I	X	X
ART 125: Drawing II	X	X
ART 224: Drawing III		X
ART 225: Drawing IV		X
ART 241: Illustration I		X
ART 242: Illustration II		X
Human Figure Drawing		
ART 230: Figure Drawing I	X	X
ART 231: Figure Drawing II	X	X
ART 232: Figure Drawing III		X
ART 233: Figure Drawing IV		X
ART 240: Portraiture and Character Design	X	

STUDIO ARTS / DIGITAL ART / PHOTOGRAPHY FAMILIES (continued) Courses Related in Content		
Maximum four (4) attempts for any family group. An attempt includes: • Completion • Final grade resulting in a “W” or “NP” or “F” • Incomplete		
	Grossmont Course	Cuyamaca Course
Painting Foundations ART 121: Painting I ART 220: Painting II ART 221: Painting III ART 222: Painting IV	X X X X	X X X X
Watercolor Painting ART 135: Watercolor I ART 235: Watercolor II ART 236: Watercolor III		X X X
Photography Foundations PHOT 150: Introduction to Photography PHOT 151: Personal Photographic Vision GD 210: Professional Digital Photography I GD 211: Professional Digital Photography II GD 212: Professional Digital Photography III	X X	X X X X
Photography Concepts & Contemporary Practices PHOT 152: Contemporary Photographic Practice PHOT 166: Image and Idea PHOT 252: Photographer’s Portfolio	X X X	
Sculpture Foundations ART 130: Sculpture I ART 229: Sculpture II ART 280: Sculpture III: The Structure of Sculpture	X X X	
Sculpture Fabrication and Practices ART 281: Studio Workshop in Public Sculpture ART 282: Public Art Fabrication and Installation	X X	
Jewelry Design ART 131: Jewelry Design I ART 132: Jewelry Design II ART 133: Jewelry Design III	X X X	

DANCE FAMILIES Courses Related in Content		
Maximum four (4) attempts for any family group. An attempt includes: • Completion • Final grade resulting in a “W” or “NP” or “F” • Incomplete		
	Grossmont Course	Cuyamaca Course
Ballet Dance 088A: Ballet I ES 088A Ballet I Dance 088B: Ballet II ES 088B Ballet II Dance 088C: Ballet III ES 088C Ballet III Dance 088D: Ballet IV ES 088D Ballet IV	X X X X	X X X X

DANCE FAMILIES (continued) Courses Related in Content		
Maximum four (4) attempts for any family group. An attempt includes: • Completion • Final grade resulting in a “W” or “NP” or “F” • Incomplete		
	Grossmont Course	Cuyamaca Course
Jazz Dance Dance 084A: Jazz I ES 084A Jazz Dance I Dance 084B: Jazz II ES 084B Jazz Dance II Dance 084C: Jazz III ES 084C Jazz Dance III Dance 084D: Jazz IV ES 084D Jazz Dance IV	X X X X	X X X X
Modern Dance Dance 080A: Modern I ES 080A Modern Dance I Dance 080B: Modern II ES 080B Modern Dance II Dance 080C: Modern III ES 080C Modern Dance III Dance 080D: Modern IV ES 080D Modern Dance IV	X X X X	X X X X
Tap Dance Dance 081A: Tap I Dance 081B: Tap II Dance 081C: Tap III Dance 081D: Tap IV	X X X X	
Hip Hop Dance 094A: Hip Hop I Dance 094B: Hip Hop II Dance 094C: Hip Hop III Dance 094D: Hip Hop IV	X X X X	
Studio Workshop in Dance - Modern/Tap/Jazz Dance 071A: Studio Workshop in Tap Dance I Dance 071B: Studio Workshop in Tap Dance II Dance 072A: Studio Workshop in Modern Dance I Dance 072B: Studio Workshop in Modern Dance II Dance 074A: Studio Workshop in Jazz Dance I Dance 074B: Studio Workshop in Jazz Dance II	X X X X X X	
Studio Workshop in Dance - Ballet/Pointe Dance 078A: Studio Workshop in Ballet I Dance 078B: Studio Workshop in Ballet II Dance 099A: Studio Workshop in Pointe I Dance 099B: Studio Workshop in Pointe II Dance 099C: Studio Workshop in Pointe III	X X X X X	
Choreography/Student Choreography Dance 223: Student Choreography for Production I Dance 224: Student Choreography for Production II Dance 225: Student Choreography for Production III	X X X	
Ballroom/Ethnic Dance Dance 082A: Social and Ballroom Dance I Dance 082B: Social and Ballroom Dance II	X X	
Conditioning/Stretch Dance 118A: Pilates I Dance 118B: Pilates II Dance 118C: Pilates III Dance 118D: Pilates IV	X X X X	

DANCE FAMILIES (continued) Courses Related in Content		
Maximum four (4) attempts for any family group. An attempt includes: • Completion • Final grade resulting in a "W" or "NP" or "F" • Incomplete		
	Grossmont Course	Cuyamaca Course
Teaching Practicum		
Dance 121: Beginning Teaching Practicum-Dance	X	
Dance 122: Intermediate Teaching Practicum-Dance	X	
Dance 123: Advanced Teaching Practicum-Dance	X	
Production/Performance - Mentored Student Choreography		
Dance 201: Dance Theater Performance I	X	
Dance 202: Dance Theater Performance II	X	
Dance 203: Dance Theater Performance III	X	
Production/Performance - Faculty Choreography		
Dance 227: Performance Ensemble I	X	
Dance 228: Performance Ensemble II	X	
Dance 229: Performance Ensemble III	X	
Dance 230: Performance Ensemble IV	X	

EXERCISE SCIENCE AND WELLNESS FAMILIES Courses Related in Content		
Maximum four (4) attempts for any family group. An attempt includes: • Completion • Final grade resulting in a "W" or "NP" or "F" • Incomplete		
	Grossmont Course	Cuyamaca Course
Total Body Fitness		
ES 004ABC: Fitness for Newcomer	X	
ES 006ABC: Total Body Fitness	X	
ES 011: Circuit Training		X
ES 019ABC: Physical Fitness		X
ES 021ABC: Fitness for Chronic Disease & Injury Prevention	X	
ES 024ABC: Fitness Boot Camp	X	
Mind/Body & Flexibility Fitness		
ES 013: Flexibility Fitness		X
ES 026: Stress Management Through Movement and Mindfulness	X	
ES 027ABC: T'ai Chi Ch'uan	X	
ES 028ABC: Yoga	X	X
Muscle Development		
ES 005ABC: Aerobic Fitness & Weight Training	X	
ES 014ABC: Body Building		X
ES 023ABC: Weight Training	X	

EXERCISE SCIENCE AND WELLNESS FAMILIES (continued) Courses Related in Content		
Maximum four (4) attempts for any family group. An attempt includes: • Completion • Final grade resulting in a "W" or "NP" or "F" • Incomplete		
	Grossmont Course	Cuyamaca Course
Cardiovascular Fitness		
ES 007 ABC: Aerobic Walking for Fitness & Wellness	X	
ES 008ABC: Indoor Cycling	X	
ES 009ABC: Aerobic Dance Exercise		X
ES 010: Cardiovascular Fitness and Nutrition	X	X
ES 017ABC: Trail Hiking	X	
Combative Sports		
ES 180: Self Defense for Women	X	X
ES 185ABC: Fencing	X	
Racquet Sports		
ES 060ABC: Badminton	X	X
ES 076ABC: Tennis	X	X
Individual Sports		
ES 012: Ind. Sport Conditioning		X
ES 037ABC: Springboard Diving	X	
ES 125ABC: Golf	X	X
ES 130ABC: Gymnastics	X	
Team Sports/Gym		
ES 155ABC: Basketball	X	X
ES 175ABC: Volleyball	X	X
Team Sports/Field		
ES 170ABC: Soccer	X	X
ES 171ABC: Softball	X	X
ES 172ABC: Baseball	X	
ES 176ABC: Beach Volleyball	X	
Aquatic Cardiovascular Fitness		
ES 040ABC: Aquatic Fitness	X	
ES 044ABC: Lap Swimming for Health & Fitness	X	
Aquatics		
ES 039: Swimming for Nonswimmers	X	
ES 043ABC: Swimming	X	

MUSIC FAMILIES Courses Related in Content		
Maximum four (4) attempts for any family group. An attempt includes: <ul style="list-style-type: none"> • Completion • Final grade resulting in a "W" or "NP" or "F" • Incomplete 		
	Grossmont Course	Cuyamaca Course
Vocal Ensembles MUS 136-137-236-237: Chamber Singers MUS 138-139-238-239: Grossmont Master Chorale MUS 158-159-258-259: Chorus	X	X X
Jazz/Popular Ensembles MUS 108-109-208-209: Rock, Pop and Soul Ensemble MUS 156-157-256-257: Jazz Ensemble MUS 166-167-266-267: Jazz Vocal Ensemble	 X X	X X
Non-Western Ensembles MUS 154-155-254-255: Afro-Cuban Ensemble MUS 142-143-242-245: Middle Eastern Ensemble	 X X	
Large Instrumental Ensembles MUS 148-149-248-249: Classical Guitar Ensemble MUS 150-151-250-251: Grossmont Symphony MUS 152-153-252-253: Concert Band	 X X X	 X
Music Theatre Ensembles MUS 164-165-264-265: Musical Theatre Orchestra	 X	

THEATRE ARTS FAMILIES Courses Related in Content		
Maximum four (4) attempts for any family (courses related in content) group. An attempt includes: <ul style="list-style-type: none"> • Completion • Final grade resulting in a "W" or "NP" or "F" • Incomplete 		
	Grossmont Course	Cuyamaca Course
THTR 102 A, B, C, D: Theatre Production Practicum: Costumes	X	
THTR 103 A, B, C, D: Theatre Production Practicum: Sets	X	
THTR 104 A, B, C, D: Theatre Production Practicum: Lighting/Sound	X	
THTR 111 A, B, C, D: Rehearsal and Performances: Acting	X	
THTR 112 A, B, C, D: Rehearsal and Performances: Stage Management	X	
THTR 113 A, B, C, D: Rehearsal and Performances: Production Crew	X	
THTR 122 A, B, C, D: Theatre Workshop Lab: Acting	X	
THTR 123 A, B, C, D: Theatre Workshop Lab: Construction	X	
THTR 124 A, B, C, D: Theatre Workshop Lab: Production Crew	X	
THTR 145, 146, 147, 148: Arena Theatre Production	X	

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 and AP exams). 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 Dean of Counseling and the Department Chair or Coordinator of the course with the prerequisite in question.

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

PROBATION AND DISMISSAL

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

California College Promise Grant (formerly known as the BOG Fee Waiver) eligibility may also be lost when a student has been on academic or progress probation for two consecutive primary terms. For more information on the Loss of California College Promise Grant eligibility, how the regulations relate to the following academic standards and possible exemptions, please go to: www.grossmont.edu/student-services/offices-and-services/fa/feewaivers.aspx.

Probation

1. Academic Probation

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

2. Lack-of-Progress Probation

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

3. Removal from Probation

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

Dismissal

Any student dismissed from a college within the Grossmont-Cuyamaca Community College District may not attend any college within the district during the next consecutive semester. The student may, however, attend the next consecutive summer term or spring intersession. Special circumstances exist for dismissals after the fall semester due to the fact that students traditionally enroll before fall grades are available. Dismissal letters will be sent no later than late January informing them that:

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

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

1. Academic Dismissal

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

2. Lack-of-Progress Dismissal

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

Readmission

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

REPETITION OF COURSES

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

Substandard Work

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

1. Students must submit a petition to the Admissions and Records Office to enroll in a course for the fourth time. Petitions will only be approved based on extenuating circumstances. Holds will be placed to ensure students complete the 4th attempt for a grade. Military withdrawals do not count in terms of repetition restrictions, nor do withdrawals that occur due to fire, flood or natural disaster (Title 5 Sections 55024 and 58509).
 - a. If the student elects to repeat the course at either college within the district, the original grade will be annotated. If a student repeats the course a second time, the first two grades will be annotated, and the last grade will be counted in the grade point average.
 - b. If the student elects to repeat the course in which the substandard grade was earned at another college outside the district, a petition will need to be filed with the appropriate college's Petition Committee for action.
2. Upon completion of a repeated course, the original grade will be annotated and removed from the cumulative totals on the transcript in such a manner that all work remains legible, insuring a true and complete academic history. Only the last grade will be included in determining GPA and academic standing, and only those units will be counted toward graduation. No assurance can be provided that repeated course(s) will be treated in this manner by other institutions.

Special Circumstances

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

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

PRECOLLEGIATE BASIC SKILLS COURSEWORK LIMITATIONS

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

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

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

REVISION OF REGULATIONS

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

STUDENT RIGHTS AND RESPONSIBILITIES

STUDENT CODE OF CONDUCT

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

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

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

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

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

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

Types of Student Conduct Action

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

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

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

SEXUAL ASSAULT

For sexual assault emergencies, contact 911.

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

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

STUDENT GRIEVANCE AND DUE PROCESS

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

For additional information including applicable timelines, and /or a copy of the Student Grievance and Due Process Procedure publication, please contact the Student Affairs office at (619) 644-7600.

Process Summary

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

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

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

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

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

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

COMPLAINT PROCESS

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

Although it is our goal to resolve complaints at the campus level, there may be times when a complainant is not satisfied with the outcome. In these situations, the complainant is encouraged to contact the California Community College Chancellor's Office at <http://californiacommunitycolleges.cccco.edu/ComplaintsForm.aspx>.

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

STUDENT RIGHT-TO-KNOW RATES FOR FALL 2016 COHORT

Completion Rate: 29.46%

Transfer Rate: 12.64%

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 2016, 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 2016 to Spring 2019. 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 2017 to Spring 2019, are transfer students.

UNIT VALUE AND STUDENT LOAD

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

The maximum number of units in which a student may enroll is 18. Overloads (no more than two additional units) must be approved by a counselor. Requests for excessive unit overloads (21 or more units) will require an appointment with the Dean of Counseling Services. A copy of all college transcripts will be reviewed prior to the appointment.

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 9-11.5 units

One-half time 6-8.5 units

Summer Session8 units

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 9-11.5 units

One-half time 6-8.5 units

Less than one-half time 5-5.5 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 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.

Catalog Rights: For purposes of graduation from Grossmont College or Cuyamaca 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 upon enrollment in the Grossmont-Cuyamaca Community College District and are maintained by continuous enrollment.

Continuous Enrollment: Students may maintain their continuing student status for catalog rights purposes provided that they receive an official grade on their permanent record in the Grossmont-Cuyamaca Community College District. Students must attend at least one semester during an academic year without missing two consecutive semesters. Summer sessions are not included in determining continuous enrollment status.

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

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

High School Students who plan to transfer to a four-year college or university after taking the first two years of academic work at a community college should be aware that high school preparation normally must include, as a minimum, the following: English, four years; Math, three years, to include a minimum of Beginning Algebra, Intermediate Algebra, and Geometry. In addition, the University of California requires two years of a foreign language as well as U.S. History, government, and a laboratory science. In the event that the student, at

the time of graduation from high school, lacks one or more of these prerequisites, they may be completed in a community college. The student should realize that it is advantageous to have chosen, at the time of enrollment, the four-year institution to which he/she contemplates transfer. More information on transferring to a four-year college or university is available in the Counseling and Transfer Centers.

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

The General Education Program offers the following opportunities to:

1. Develop verbal and quantitative learning skills.
2. Experience a wide spectrum of beliefs, principles or knowledge in the natural sciences, the social sciences, and the humanities.
3. Understand and critically examine the cultural heritage and its implications for the future.
4. Develop the abilities for critical thinking, evaluating personal values and understanding and responding to general audience media presentations on general education subjects.
5. Approach learning in an interdisciplinary manner and develop the ability to integrate general education knowledge.
6. Establish a broad base of intellectual and physical skills for a lifetime of continued learning.

PROGRAM STUDENT LEARNING OUTCOMES

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

FITNESS/WELLNESS REQUIREMENT

Two courses involving physical exercise and/or dance are required as part of the general education requirements for an associate degree. These courses will be indicated by the following statement below the course description: "Satisfies General Education for Grossmont College Area E." The Exercise Science and Wellness Department at Grossmont College *encourages* all students to enroll in exercise science classes each semester. The fitness activity courses address critical components of health and allow the development of an information base for students continuing wellness pursuits. The skill activity courses are designed to develop students' competency in activities which promote lifetime movement.

The mandatory health fee 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 Admissions and Records & Financial Aid and the Dean of Student Affairs.

Veterans or active military see Veterans section on page 20.

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 on page 34.)

III. Competency Requirement

A. Competency in reading, writing and expression shown by achieving a "C" grade or higher or "Pass" in courses listed under Area A, Section 1 – Written Communication.

B. Competency in Mathematics shown by either

1. Completion of MATH 103 or a higher numbered math course with a grade of "C" or higher or a grade of "P".
2. Placement into MATH 125 or a math course numbered MATH 170 or above. (Students meeting competency through placement 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. Credit by Exam or Tech Prep shall not count toward the residence requirement for graduation. (See page 12)
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 76.

General education requirements for Nursing majors are listed on page 121.

General education requirements for Occupational Therapy Assistant majors are listed on page 122.

General education requirements for Orthopedic Technology majors are listed on page 126.

General education requirements for Respiratory Therapy majors are listed on page 133.

GENERAL EDUCATION REQUIREMENTS

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. Completion of MATH 103 or a higher numbered math course with a grade of "C" or higher or a grade of "P".

or

2. Placement into MATH 125 or a math course numbered MATH 170 or above. (Students meeting competency through placement 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

English as a Second Language 122

2. Oral Communication

Communication 120, 122, 130

3. Analytical Thinking

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

Anthropology 215

Biology 215

Economics 215

Geography 104

Mathematics 103, 108, 110, 120, 125, 126, 150, 160, 170, 175, 176, 178, 180, 245, 280, 281, 284, 285

Philosophy 125, 130

Physical Science 120

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, 141L*, 144, 145, 152, 230, 240

2. Physical Sciences

Astronomy 110, 112*, 120

Chemistry 102, 110, 113, 115, 116, 117, 120, 141, 142, 231, 232, 241, 241L*, 242, 242L*

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

Complete two courses.

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 126, 127, 134, 143, 144, 236, 237, 238
 Dance 110, 120
 English 122, 126, 134, 135, 136, 137, 201, 203, 215, 217, 218,
219, 221, 222, 231, 232, 236, 237, 238, 275, 276, 277
 English as a Second Language 115
 French 120, 121, 152, 220, 221, 250, 251
 German 120, 121, 220, 221, 250, 251
 History 100, 101, 103, 105, 106, 113, 126, 135, 136, 137, 148
 Humanities 110, 120, 125, 130, 135, 140, 160, 170
 Italian 120, 121, 220, 221, 250, 251
 Japanese 120, 121, 149, 220, 221, 250, 251
 Media Communications 111
 Music 110, 111, 115, 116, 117, 123, 189
 Philosophy 110, 111, 112, 114, 116, 118, 140, 141, 145, 150,
155, 160
 Photography 150, 154
 Religious Studies 120, 130, 140, 150, 170
 Russian 120, 121, 220, 221, 250, 251
 Spanish 120, 121, 122, 123, 141, 145, 220, 221, 250, 251
 Theatre Arts 101, 110, 130, 143, 144, 205

Area D – Social Sciences

Complete two courses.

Administration of Justice 110
 Anthropology 120, 122, 127, 140
 Child Development 115, 125, 131, 134, 145, 153
 Communication 124, 126, 128
 Cross-Cultural Studies 114, 115, 116, 118, 119, 125, 128,
130, 131, 132, 133, 135, 145, 154, 155, 180, 181
 Economics 110, 120, 121
 Family Studies 115, 120
 Geography 100, 101, 106, 130, 170
 Health Education 120, 201
 Health Sciences 110
 History 108, 109, 114, 115, 118, 119, 122, 123, 124, 130, 131,
154, 155, 180, 181
 Media Communications 110, 210
 Nutrition 155, 158, 159
 Political Science 120, 121, 124, 130, 140, 150, 160
 Psychology 120, 125, 132, 134, 138, 140, 170, 211, 220
 Sociology 114, 120, 125, 130, 138, 140, 150

Area E – Fitness/Wellness

Two courses involving physical exercise and/or dance are required. Veterans or active military see Veterans section on page __. Requirements can only 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, 083A, 083B, 084A, 084B, 084C, 084D, 088A,
088B, 088C, 088D, 094A, 094B, 094C, 094D, 099A, 099B,
099C, 116, 118A, 118B, 118C, 118D

Exercise Science 001, 002, 003, 004A, 004B, 004C,
005A, 005B, 005C, 006A, 006B, 006C, 007A, 007B,
007C, 008A, 008B, 008C, 009A, 009B, 009C, 017A,
017B, 017C, 021A, 021B, 021C, 023A, 023B, 023C,
024A, 024B, 024C, 026, 027A, 027B, 027C, 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,
125A, 125B, 125C, 130A, 130B, 130C, 155A, 155B,
155C, 170A, 170B, 170C, 171A, 171B, 171C, 172A,
172B, 172C, 175A, 175B, 175C, 176A, 176B, 176C,
180, 185A, 185B, 185C

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 Associate Degree section of the catalog.

VIII. Academic/Occupational Major Requirements

Grossmont College has developed career programs which reflect the needs of the community. The endless effort to continue dynamic program improvement and the development of career education has become an essential way of life in order to meet the needs of today's society. The opportunities for career education at Grossmont College are excellent for all who wish to become more self-sufficient or who wish to advance in their present fields.

Many of the units earned in career programs at Grossmont College are accepted toward the Bachelor's Degree at four-year institutions. Persons who would like to discuss career planning should consult with a counselor and/or representative of the department in which they have special interest. This should be accomplished early and, if possible, prior to registration. Career programs are outlined in the catalog, or in various brochures available in the Counseling Center.

The emphasis on career planning and education at Grossmont College is evidenced by the number of available programs leading to the Associate Degree. In curriculum planning for career education, citizens' advisory committees, composed of persons from various fields of specialization, give of their time in order to 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. Associate Degree for Transfer (ADT) Reciprocity

1. For those students who come to Grossmont College having already begun an AA-T or AS-T at another California Community College in a particular area of study and having already completed courses as stipulated by that college for that AA-T or AS-T, Grossmont will accept any courses listed on the Transfer Model Curriculum (TMC), even if they are different from those stipulated by Grossmont College.
2. For those students who begin their AA-T or AS-T at Grossmont College, Grossmont will accept those courses stipulated by Grossmont College for their AA-T or AS-T.

X. Application for Graduation

It is the responsibility of the student who expects to graduate to have all college transcripts on file prior to filing 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.

XI. Additional Associate Degree(s)

Additional associate degrees may be earned under the following conditions:

- A. Having received an A.A. or A.S. Degree, a student may qualify for an A.A. or A.S. Degree in other fields with the exception of the General Studies Degree.
- B. Having received an A.A. or A.S. degree in University Transfer Studies a student is not eligible to receive an additional University Studies degree at Grossmont College.
- C. Having received a Bachelor's Degree or higher, a student may qualify for an A.A. or A.S. Degree in other fields with the exception of the General Studies Degree or the University Studies Degree.
- D. Having met all general education requirements as specified in this catalog and completed a minimum of 12 units in the major at Grossmont College subsequent to the preceding degree(s), with the exception of an Associate Degree for Transfer (ADT).

XII. Multiple Majors

Multiple majors are different from additional associate degrees (see Section X) in that the student with a multiple major works simultaneously toward the completion of more than one major. An Associate in Science or Associate in Arts Degree with a multiple major can be earned by completion of all general education requirements plus the courses required for the majors as outlined in this catalog under Associate Degree Programs at Grossmont College. A General Studies Major cannot be included as part of the multiple major within the Grossmont-Cuyamaca Community College District. Students are not eligible to receive multiple University Studies degrees.

XIII. Certificates of Achievement

A Certificate of Achievement may be awarded upon successful completion of a prescribed course of study in the following areas: Administration of Justice, American Sign Language, Arabic, Art: Photography, Business Administration, Business-General, Business Office Technology, Cardiovascular Technology, Telemetry/ECG, Chemistry, Child Development, Computer Science Information Systems, Culinary Arts, Dance, Disability Services Management, English, Exercise Science and Wellness, French, German, Hospitality and Tourism Management, International Business, Management, Marketing, Media Communications, Musical Theatre, Orthopedic Technology, 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 (except for University Studies.)
4. File an application for the certificate of achievement in the Admissions and Records Office at the beginning of the semester in which the requirements will be completed. (See calendar in front of this catalog for exact deadline.)
5. Students may follow the catalog under which they enter, or any subsequent catalog, as long as they are in continuous attendance. A student not in continuous attendance must meet the certificate requirements listed in the catalog in effect at the time of readmission.

XIV. Certificates of Proficiency

Certificates of Proficiency are designed for the student who needs to be prepared for an entry-level job. A department-issued certificate may be awarded upon successful completion of a prescribed course of study. These certificates will not appear on a student's transcript. Completion of a Certificate of Proficiency does not entitle a student to participate in the commencement ceremony. To receive a Certificate of Proficiency, a student must complete all courses with a "C" grade or higher.

Certificates of Proficiency are offered in the following areas: Administration of Justice-, Arabic-Basic Arabic for Healthcare Professionals, Business – Insurance Services, Business Office Technology-Account Clerk, Front Office/ Receptionist, Medical Office Assistant, Office Professional, Office Assistant Specialist Level I, Office Software Specialist Level II; Virtual Office Assistant; Child Development - Associate Teacher; Computer Science Information Systems-Information Technology Technician, Network and Cybersecurity Technician, Cross Cultural Studies-Cross Cultural Competence; Cross Cultural Communication Skills; Cross Cultural Skills with Conversational-Level Second Language; Exercise Science-Fitness Specialist Certification, Administration of Justice Geospatial

Literacy Certificate, Geography-Educators Global Awareness, Geographic Information Systems Literacy, Global Awareness and Appreciation, Respiratory Therapy-Sleep Disorders, Diagnostic Procedures, and Treatment.

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 9 undergraduate campuses and private, independent colleges in California, as well as public and private options located throughout the United States and internationally provide a wide range of academic programs, physical and academic environments, and social climates. Grossmont College offers lower division coursework in preparation for transfer to four-year colleges and universities. Students wishing to pursue transfer should meet with a counselor as early as possible to discuss their educational plan.

Successful transfer planning requires the following steps: First, select an academic or career goal, then select an appropriate major to meet that goal. Next, research the most suitable college or university. After you've selected a college or university, make an appointment with a counselor to develop an educational plan. As you approach completion of the required coursework in your education plan you will need to complete the application process. Students are encouraged to take advantage of the resources and assistance available in the Transfer Center.

All colleges and universities have specific admission requirements including general education, major preparation and/or unit requirements, as well as minimum grade point averages (GPA) that must be met prior to transfer. Students should complete as many of these requirements as possible before they transfer, and in some cases must complete all prior to transfer. The Articulation Officer develops and maintains transfer articulation agreements with local colleges and universities which list courses that satisfy general education requirements and preparation for the major. The Articulation Officer maintains an articulation website with valuable information on general education and major preparation for CSU, UC and Independent/Private/Out-of-State Colleges and Universities. The website address is www.grossmont.edu/articulation. UC and CSU general education or major preparation agreements are also posted on ASSIST, California's articulation and student transfer information system. The website is www.assist.org.

ASSOCIATE IN ARTS FOR TRANSFER (A.A.-T) OR ASSOCIATE IN SCIENCE FOR TRANSFER (A.S.-T)

California Community Colleges offer associate degrees for transfer to the CSU. These include Associate in Arts for Transfer (A.A.-T) and Associate in Science for Transfer (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 and complete the CSU application process successfully are guaranteed admission with junior standing to the CSU system. Students also receive priority admission consideration to their local CSU campus. This priority does not guarantee admission to specific campuses or majors.

Students who have been awarded an 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 at the California State University campus.

Associate Degrees for Transfer are listed in the Associate Degree Programs section of this catalog. To find out which CSU campuses accept each degree and to review their options for transfer, students are encouraged to visit the Transfer Center or meet with a counselor. Additional information and updates are also available on the Articulation website: www.grossmont.edu/articulation.

THE CALIFORNIA STATE UNIVERSITY (CSU)

The California State University system provides upper division educational programs for California community college transfer students.

Grossmont College students wishing to transfer to a California State University may choose from the following campuses:

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

*Indicates a quarter term university

CSU Admission Guarantee Programs

San Diego State University (SDSU) Transfer Admission Guarantee (TAG):

SDSU offers guaranteed admission to local admissions-area students for select majors. Grossmont College students are encouraged to review eligibility criteria and applicable majors available on SDSU's Transfer Pathways website https://admissions.sdsu.edu/transfers/apply/transfer_pathways.

The Grossmont Transfer Center website: www.grossmont.edu/transfercenter includes updated information and resources. Students are encouraged to visit the Transfer Center, attend transfer workshops, and meet with a counselor for more information.

Applying For Admission

All California State Universities use Cal State Apply for their application process. You must apply for admission online at: <https://www2.calstate.edu/apply>. Carefully follow the instructions shown on the online application. The Transfer Center offers application assistance during the application filing periods listed below.

<u>Term</u>	<u>Application Filing Period</u>
Fall 2021	October 1, 2020-November 30, 2020
Winter 2022*	June 1, 2021-June 30, 2021
Spring 2022*	August 1, 2021-August 31, 2021

*Some CSU campuses may offer winter/spring admission cycles.

Supplemental applications and a Cal State application update are also required. Check the individual campus websites for more information. The Transfer Center offers assistance with supplemental applications and application updates in January each year.

Consult the following sections for information about transfer and admission requirements.

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

Please check the ASSIST website (www.assist.org) or the course descriptions in the courses of instruction area of this catalog for CSU transferability. Courses identified as transferable are certified as transferable to any of the

23 CSU campuses. There are limitations transferring 199, 298 and 299 courses. For instance, 298 courses are non-degree and non-transfer. 299A courses do not transfer to universities. 299B courses transfer to the CSU but not the UC System. Meet with a counselor for further clarification.

Minimum Upper Division CSU Transfer Admission Requirements

To transfer to the CSU, you must:

- have completed at least 60 transferable semester (90 quarter) units;
- have a grade point average of 2.00 (C)(2.40 for non-residents) or better in all transferable units attempted;
- be in good standing at the last college or university attended;
- have completed at least 30 semester (45 quarter) units of approved General Education coursework including "Golden Four" requirements in Written Communication, Oral Communication, Critical Thinking and Mathematics/Quantitative Reasoning.

Please note that these are minimum admission requirements. Students applying to impacted campuses and programs will likely need a higher GPA and specific major prep courses to be competitive.

California State University General Education Breadth Requirements (CSU GE)

There is no catalog year or rule of continuing attendance for general education breadth requirements certification. A course is certifiable if, and only if, it was on the approved general education breadth requirements list at the time the course was taken. Please check with a counselor if you have any questions.

Students who plan to transfer to San Diego State University and other campuses of the California State University (CSU) system are reminded to request certification of their general education courses. Grossmont College will certify that the minimum general education requirements have been satisfied through completion of Grossmont College courses selected from the CSU General Education Breadth (CSU GE) or Intersegmental General Education Transfer Curriculum (IGETC). Certification should be requested at the Grossmont College Admissions and Records Office during the last semester or summer session of attendance at Grossmont College and *after* acceptance to a CSU campus. **Certification is not automatic and must be requested by the student.**

Certification is a legal agreement between the CSU system and the California Community Colleges. It is authorized by state law to guarantee that lower division CSU GE requirements have been satisfied for the California State University campuses.

Grossmont College will certify each course in the CSU GE in Areas A through E, with a minimum of 39 units. Course work from all other accredited colleges and universities, including private and out-of-state, will also be reviewed for certification. Failure to complete full certification will cause courses to be reviewed differently at each campus. The CSU system requires 9 additional units of general education coursework at the upper division level.

Report any problems encountered with certification of CSU GE to a counselor at Grossmont College. The counselor will assist you in trying to resolve any transfer problem.

General Education course choices for transfer and the associate degree may differ between Cuyamaca and Grossmont College. Each college strongly recommends that students visit the Counseling Centers for specific information if they plan to attend both campuses.

2020-2021 CALIFORNIA STATE UNIVERSITY GENERAL EDUCATION BREADTH REQUIREMENTS (CSU GE)

The following is subject to change.

Area A – English Language, Communication and Critical Thinking

Three courses (a minimum of nine units) are required in Communication, English, and Critical Thinking. At least ONE course must be taken from EACH of the following three sections:

Note: All three courses are required for admission to all CSU campuses, and must be completed with a "C" grade or higher or "Pass".

1. **Oral Communication**
Communication 120, 122, 130
2. **Written Communication**
English 120
English as a Second Language 122
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, 241, 242
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, 230, 240
3. **Laboratory**
Anthropology 131
Astronomy 112
Biology 141L
Chemistry 241L, 242L
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
Computer Science Information Systems 240
Economics 215
Mathematics 120, 125, 126, 160, 170, 175, 176, 178, 180, 245, 280, 281, 284, 285
Physical Science 120
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, 120
 Humanities 110, 120
 Media Communications 111
 Music 110, 111, 115, 116, 117, 123
 Photography 154
 Religious Studies 140
 Theatre Arts 101, 110, 143, 144, 205

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 135, 143, 144, 236, 237, 238
 English 122, 201, 215, 217, 218, 219, 221, 222, 225, 226, 227, 228, 231, 232, 236, 237, 238
 English as a Second Language 115
 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, 148
 Humanities 110, 120, 125, 130, 135, 140, 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, 170
 Russian 120, 121, 220, 221, 250, 251
 Spanish 120, 121, 122, 123, 141, 145, 220, 221, 250, 251
 Theatre Arts 143, 144

Area D – Social Sciences

Three courses (a minimum of nine semester units) are required, courses must be from at least 2 disciplines.

Administration of Justice 110
 Anthropology 120, 122, 127, 140
 Child Development 115, 125, 131, 145
 Communication 124, 128, 144
 Cross-Cultural Studies 114, 115, 116, 118, 119, 125, 127, 128, 130, 131, 132, 133, 135, 143, 144, 145, 154, 155, 180, 181
 Economics: 110, 120, 121, 261
 Family Studies 115, 120
 French 152
 Geography 100, 101, 106, 130, 170
 History 100, 101, 103, 105, 106, 108, 109, 113, 114, 115, 118, 119, 122, 123, 124, 126, 130, 131, 136, 137, 148, 154, 155, 180, 181
 Media Communications 110;
 Political Science 120, 121, 124, 130, 140, 150, 155, 160
 Psychology 120, 125, 134, 138, 140, 150, 170, 211, 220
 Sociology 114, 120, 125, 130, 138, 140, 150
 Spanish 145

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, 201

Health Sciences 110
 Nutrition 155, 158, 159, 255
 Psychology 132, 134, 140, 150, 180, 220
 Sociology 125

*Or DD214 or military transcript.

U.S. History, Constitution and American Ideals

Although this requirement is not part of the General Education requirements for CSU, all students must complete coursework in American Ideals. The courses may also be used to partially fulfill Area D of the CSU General Education Breadth requirements. Students are required to complete a course, courses or examinations that address:

US-1: The historical development of American institutions and ideals; *and*

US-2: The Constitution of the United States and the operation of representative democratic government under that Constitution; *and*

US-3: The process of California state and local government.

This requirement may be fulfilled prior to transfer by completion of a course or courses that satisfy all three areas (US-1, US-2, and US-3). Please note that the course designations below are unique to Grossmont College.

Designations for 2020-2021

CCS 118, U.S. History: Chicano/Chicana Perspectives I	US-1
CCS 119, U.S. History: Chicano/Chicana Perspectives II	US-1, US-3
CCS 130, U.S. History and Cultures: Native American Perspectives I	US-1
CCS 131, U.S. History and Cultures: Native American Perspectives II	US-1, US-3
CCS 180, U.S. History: Black Perspectives I	US-1, US-2
CCS 181, U.S. History: Black Perspectives II	US-1
HIST 108, Early American History	US-1, US-2
HIST 109, Modern American History	US-1, US-3
HIST 114, Comparative History of the Modern Americas	US-1, US-2
HIST 115, Comparative History of the Modern Americas	US-1, US-2, US-3
HIST 118, U.S. History: Chicano/Chicana Perspectives I	US-1
HIST 119, U.S. History: Chicano/Chicana Perspectives II	US-1, US-3
HIST 122, Women in Early American History	US-1, US-2
HIST 123, Women in Modern American History	US-1, US-3
HIST 124, History of California	US-3
HIST 130, U.S. History and Cultures: Native American Perspectives I	US-1
HIST 131, U.S. History and Cultures: Native American Perspectives II	US-1, US-3
HIST 180, U.S. History: Black Perspectives I	US-1, US-2
HIST 181, U.S. History: Black Perspectives II	US-1
POSC 121, Introduction to U.S. Government & Politics	US-2, US-3
POSC 140, Introduction to California Government and Politics	US-3

Students are required to select either Option I, Option II or Option III and then complete 1 or 2 courses. In Option I and Option II, one course must be from List A and one course from List B. In Option III, the List A course fulfills all three designations. This information is current at the time of catalog production.

Option I

Choose one course from List A and one course from List B.

List A:

CCS 180, HIST 108, HIST 114, HIST 115, HIST 122, HIST 180
AND

List B:

CCS 119, CCS 131, HIST 109, HIST 115, HIST 119, HIST 123, HIST 124, HIST 131, POSC 121, POSC 140

OR

Option II

Choose one course from List A course and one course from List B.

List A:

POSC 121

AND

List B:

CCS 118, CCS 119, CCS 130, CCS 181, HIST 109, HIST 118, HIST 119, HIST 130, HIST 181

OR

Option III

Choose a course from List A.

List A:

History 115

CSU for STEM

Students pursuing an Associate Degree for Transfer in Biology and/or Chemistry are eligible to take CSU for STEM deferring two lower-division GE courses until after transfer. CSU for STEM is applicable only to Biology and Chemistry majors in which the Transfer Model Curriculum explicitly indicates the availability of the option. Students using CSU for STEM may delay until after transfer:

- One general education course in Area 3 (Arts and Humanities); and
- One general education course in Area 4 (Social and Behavioral Sciences).

It is strongly recommended that students consult with a counselor to determine which general education pattern is most appropriate for their individual educational goals.

Completion of the above pattern will total 39 semester units. Additional upper division general education courses may be required at four-year institutions. Consult the transfer institution and/or www.assist.org. Counselors are available for assistance.

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

Nine UC campuses admit undergraduate students pursuing the bachelor degree. UC San Francisco admits at the graduate level only.

UC Admission Guarantee Programs

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

UniversityLink is an admission guarantee program to UCSD designed for recent high school graduates and student veterans, active duty service members and current/former foster youth. Additional information

can be found at: <https://admissions.ucsd.edu/transfer/universitylink.html>. Students are encouraged to visit the Transfer Center or meet with a counselor to determine eligibility and apply.

Applying for Admission

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

<u>Term</u>	<u>Application Filing Period</u>
Spring Quarter/Semester 2021*	October 1-31, 2020
Fall Quarter/Semester 2021	November 1-30, 2020
Winter Quarter 2022*	July 1-31, 2021

* Select UC campuses offer winter/spring admission cycles.

Submit your completed application online on or soon after the opening of the application period. The Transfer Center hosts application workshops to assist you with completing the application.

Consult the following sections for information about transfer and admission requirements.

Courses Accepted For Transfer to the University Of California

The most current list of UC transferable courses is available on the ASSIST website (www.assist.org). Also, please check the course description for each course in this catalog for UC transferability. A list of UC credit limitations is available on page 54 of this catalog.

Each campus of the University of California usually accepts, at full unit value, UC transferable courses completed with satisfactory grades from the California Community Colleges. Students intending to transfer to a UC will find it advantageous to complete their lower division requirements at Grossmont College. A maximum of 70 transferable community college units is honored by the university campuses. However, students should become familiar with specific requirements of the campus to which transfer is planned by examining each UC catalog and website.

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

Minimum Upper Division UC Transfer Admission Requirements

- Complete 60 semester units or 90 quarter units of transferable college credit with a minimum grade point average of 2.4 (2.8 for non-residents). No more than 14 semester (21 quarter) units may be taken Pass/Not Pass.
- Complete with a "C" grade or higher or "Pass" a seven-course pattern requirement to include:
 - Two transferable college courses (3 semester or 4-5 quarter units each) in English composition; and
 - One transferable college course (3 semester or 4-5 quarter units) in Mathematical Concepts and Quantitative Reasoning; and

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

Please note: In addition to the requirements above, individual universities have specified additional requirements and transfer GPA that must be achieved to be eligible and/or competitive for admission.

INTERSEGMENTAL GENERAL EDUCATION TRANSFER CURRICULUM (IGETC)

Official updates are available at www.assist.org.

The Intersegmental Committee of the Academic Senates approved the IGETC in Fall 1991. The IGETC is a series of courses that California Community College students can use to satisfy lower division general education requirements at any CSU or UC campus.

The IGETC will permit a student to transfer from a community college to a campus in either the California State University or the University of California system without the need, after transfer, to take additional lower-division, general education courses.

Completion of the IGETC is not a guarantee of admission or a requirement for transfer to a CSU or UC, nor is it the only way to fulfill the lower-division general education requirements of the CSU or UC prior to transfer. Students may find it advantageous to take courses fulfilling CSU's general education requirements or those of a particular UC campus.

Students completing the IGETC may be eligible for the University Studies Certificate of Achievement. Please see page 143 for more information. 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.

2020-2021 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.

The following is subject to change.

Area 1 – English Communication

(CSU – 3 courses required, one each from Group A, B and C.)
(UC – 2 courses required, one each from Group A and B.)

1A. English Composition

English 120

English as a Second Language 122

1B. Critical Thinking and English Composition

English 124

1C. Oral Communication

(CSU requirement only)

Communication 120, 122, 130

Area 2 – Mathematical Concepts and Quantitative Reasoning

(1 course, 3 units)

2A. Math

Anthropology 215

Biology 215

Economics 215

Mathematics 120*, 125*, 126*, 160, 175, 176, 178*, 180*, 245, 280, 281, 284, 285

Psychology 215

Sociology 215

*Note: See page 54 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, 120, 130, 140, 141, 142, 143, 145, 146, 147

Cross-Cultural Studies 126, 134

Dance 110, 120

Music 110, 111, 115, 116, 117, 123

Photography 154

Theatre Arts 101, 110, 144, 205

3B. Humanities

American Sign Language 121, 140, 220, 221

Arabic 121, 123, 148, 220, 221

Chinese 121, 220, 221

Communication 144

Cross-Cultural Studies 133, 135, 143, 144, 236, 237, 238

English 122, 201, 215, 217, 218, 219, 221, 222, 225, 226, 227, 228, 231, 232, 236, 237, 238

French 121, 152, 220, 221

German 121, 220, 221

History 100, 101, 103, 105, 106, 126, 135, 136, 137, 148

Humanities 110, 120, 125, 130, 135, 140, 170

Italian 121, 220, 221

Japanese 121, 149, 220, 221

Philosophy 110, 111, 112, 114, 116, 118, 140, 141, 145, 150, 155

Religious Studies 120, 130, 140, 150, 170

Russian 121, 220, 221

Spanish 121, 123, 141, 220, 221

Theatre Arts 143, 144

Area 4 – Social and Behavioral Sciences

(9 semester units)

Three courses required from at least two disciplines.

Administration of Justice 110

Anthropology 120, 122, 127, 140

Child Development 115, 125

Communication 124, 144

Cross-Cultural Studies 114, 115, 116, 118, 119, 125, 127, 128, 130, 131, 132, 135, 143, 144, 145, 154, 155, 180, 181

Economics 110, 120, 121, 261

Family Studies 115, 120

Geography 100, 101, 106, 130, 170

History 100, 101, 103, 105, 106, 108, 109, 113, 114, 115, 118, 119, 122, 123, 124, 126, 130, 131, 136, 137, 148, 154, 155, 180, 181

Media Communications 110

Political Science 120, 121, 124, 130, 140, 155, 160

Psychology 120, 125, 134, 138, 140, 150, 170, 211, 220

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, 241, 242
 Geography 120, 140
 Geology 104, 110, 121, 210
 Oceanography 112
 Physical Science 100, 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, 152, 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
 Chemistry 241L, 242L
 Geography 121
 Geology 111
 Oceanography 113
 Physical Science 111

Area 6 – Languages Other Than English

(UC requirement only)

Proficiency is demonstrated through one of the following: (1) completion of two years of high school study in the same language with a “C” grade or higher (verified by high school transcript); (2) complete one of the courses listed in IGETC, area 6A; (3) Students may also meet with a Counselor for other verification options.

6A. Languages Other Than English

American Sign Language 120, 121, 220, 221
 Arabic 120, 121, 122, 123, 220, 221, 250, 251
 Chinese 120, 121, 220, 221, 250, 251
 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, 251
 Russian 120, 121, 220, 221, 250, 251
 Spanish 120, 121, 122, 123, 220, 221, 250, 251

U.S. History, Constitution and American Ideals

CSU Graduation Requirement in U.S. History, Constitution, and American Ideals (American Institutions) is not part of IGETC but may be completed prior to transfer to CSU. See page 51 for list of courses to satisfy this requirement.

IGETC for STEM

Students pursuing an Associate Degree for Transfer in Biology and/or Chemistry are eligible to take IGETC for STEM deferring two lower-division GE courses until after transfer. IGETC for STEM is applicable only to Biology and Chemistry majors in which the Transfer Model Curriculum explicitly indicates the availability of the option. Students using IGETC for STEM may delay until after transfer:

- One general education course in Area 3 (Arts and Humanities); and
- One general education course in Area 4 (Social and Behavioral Sciences).

It is strongly recommended that students consult with a counselor to determine which general education pattern is most appropriate for their individual educational goals.

University of California (UC) Credit Limitations

Subject to change. The ASSIST website (www.assist.org) lists the most current.

AOJ 144, 200 combined: maximum credit, one course.

AOJ 200, 144 combined: maximum credit, one course.

ANTH/BIO/ECON/SOC/PSY 215/MATH 160: maximum credit, one course.

ART/MUS 189: maximum credit, one course.

BIO 140, 141, 141L, 144, 145: maximum credit 8 units.

BIO/GEOG/GEOL/OCEA 150: maximum credit, one course.

BIO/ANTH/ECON/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; 180, 181 combined with HIST 108, 109: maximum credit, one series.

CCS/PSY 125: 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.

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.

ECON/BIO/ANTH/SOC/PSY 215/MATH 160: maximum credit, one course.

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, 253, 262, 263: maximum credit for non-activity transferable ES courses: 8 units.

ESL 106, and 119: combined: maximum credit of 8 units.

FS/CD 115: maximum credit, one course

FS 120, PSY 150: maximum credit, one course.

GEOG/BIO/GEOLOG/OCEA 150: maximum credit, one course.

GEOLOG/BIO/GEOG/OCEA 150: maximum credit, one course.

HIST 108, 109 or HIST/CCS 118, 119 or 130, 131 or 180, 181: maximum credit, one series.

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.

MATH 120, 125 and 126 credit can only be granted for either 120 or 125 and 126 combined.

MATH 160/ANTH/BIO/ECON/PSY/SOC 215: maximum credit, one course.

MATH 175 and 176: combined: maximum credit, 5 semester units.

MATH 178 and 180 combined: maximum credit, one course.

MUS 105 and 106 combined with 128 and 129: maximum credit, one series.

MUS/ART 189: maximum credit, one course.

OCEA/BIO/GEOG/GEOLOG 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: maximum credit, one course.

PSY/ECON/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/PSY/ECON/BIO/ANTH 215 / MATH 160: maximum credit, one course.

INDEPENDENT CALIFORNIA COLLEGES AND UNIVERSITIES

California's fully accredited independent colleges and universities provide a host of options at undergraduate, graduate, and professional levels for students planning to continue their education beyond community college and may include admission guarantee programs utilizing the Associate Degree for Transfer.

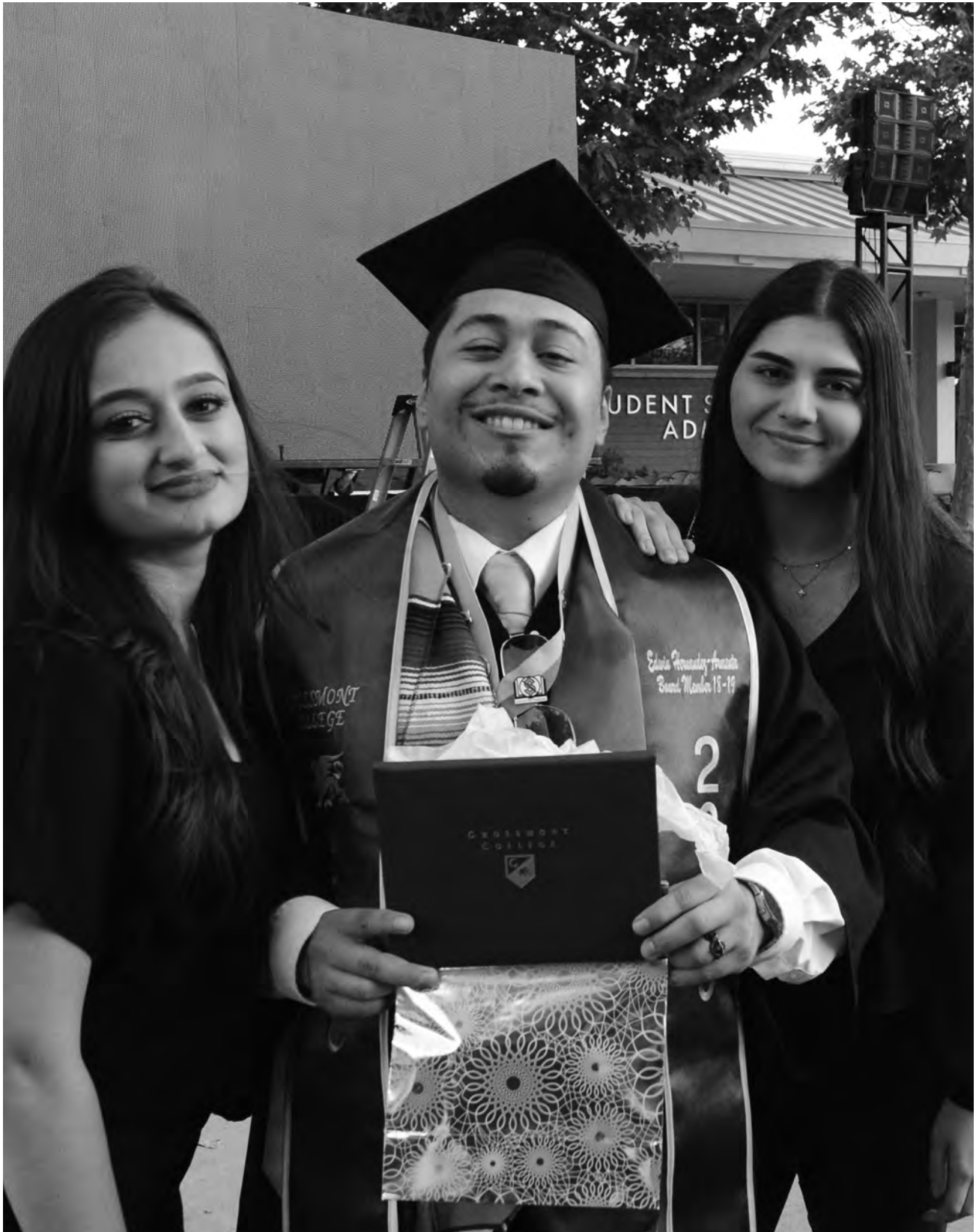
Students who transfer to independent colleges or universities find they are given academic credit for most, if not all, of their community college courses. The majority of institutions give full credit for general education courses and usually for other courses designated for transfer by the community college.

Some colleges and universities stipulate a certain number of completed units before considering students eligible for transfer. Others do not and will accept students at any time. The requirements are outlined in the respective college catalogs and websites. Visit the Grossmont College Articulation website: www.grossmont.edu/articulation or the 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.



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, Associate in Science for Transfer, A.S.-T	59	* Disability Services Management	93
Administration of Justice	59	+ Economics, Associate in Arts for Transfer, A.A.-T	94
* Law Enforcement	60	+ Economics	95
* Corrections	60	+ English, Associate in Arts for Transfer, A.A.-T	96
* Forensic Technology	61	+ English	97
* Security Management	61	+ Creative Writing	98
+ American Sign Language	61	* Exercise Science and Wellness	98
+ Anthropology, Associate in Arts for Transfer, A.A.-T	62	◆ Fitness Specialist Certification	99
+ Arabic	63	+ Kinesiology, Associate in Arts for Transfer A.A.-T	100
◆ Basic Arabic for Healthcare Professionals	64	+ French	101
+ Art History, Associate in Arts for Transfer, A.A.-T	64	General Studies	
+ Studio Art, Associate in Arts for Transfer, A.A.-T	65	+ Humanities and Fine Arts	101
Art	66	* Science and Quantitative Reasoning	102
+ Ceramics	66	+ Social and Behavioral Sciences	102
+ Digital Art	66	+ Wellness and Self-Development	103
+ Drawing and Painting	67	+ Geography, Associate in Science for Transfer, A.A.-T	103
+ Photography	67	+ Global Studies, Associate in Arts for Transfer A.A.-T	104
+ Sculpture – Public Art	67	* Geography	105
* Biology, Associate in Science for Transfer, A.S.-T	68	◆ Administration of Justice Geospatial Literacy Certificate	106
* Biological Sciences	68	◆ Educators Global Awareness	106
* Business Administration, Associate in Science for Transfer, A.S.-T	69	◆ Geographic Information Systems Literacy	106
* Business Administration	70	◆ Global Awareness and Appreciation	106
* Business – General	70	* Geology, Associate in Science for Transfer, A.S.-T	107
◆ Insurance Services	71	* Geology	107
Business Office Technology	71	+ German	108
* Administrative Assistant	72	+ History, Associate in Arts for Transfer, A.A.-T	109
* Executive Assistant	72	* Hospitality and Tourism Management	110
* Business Information Worker	73	* International Business	111
◆ Account Clerk	73	+ Japanese	111
◆ Front Office/Receptionist	73	+ Journalism, Associate in Arts for Transfer, A.A.-T	112
◆ Medical Office Assistant	74	* Management	113
◆ Office Assistant, Level I	74	* Marketing	114
◆ Office Assistant, Level II	74	* Mathematics, Associate in Science for Transfer, A.S.-T	114
◆ Office Professional	74	* Mathematics	115
◆ Office Software Specialist, Level I	75	Media Communications	116
◆ Office Software Specialist, Level II	75	* Audio Production	116
◆ Virtual Office Assistant	76	* Cross Media Journalism	117
Cardiovascular Technology	76	* Video Production	117
Invasive	78	+ Music, Associate in Arts for Transfer, A.A.-T	118
* Adult Echocardiography	78	Music	118
* Vascular Technology	79	+ Classical Studies	119
• Telemetry / ECG Technician	79	+ Musical Theatre	119
* Chemistry	79	* Nursing	120
Child Development	80	* Occupational Therapy Assistant	122
* Child Development Master Teacher	80	* Oceanography	125
* Child Development Site Supervisor	81	* Orthopedic Technology	126
◆ Associate Teacher	81	+ Philosophy, Associate in Arts for Transfer, A.A.-T	128
* Early Childhood Education Associate in Science for Transfer, A.S.-T	82	+ Philosophy	128
+ Communication Studies, Associate in Arts for Transfer, A.A.-T	83	* Physics, Associate in Science for Transfer, A.S.-T	129
+ Communication	83	* Physics	130
+ Computer Science, Associate in Science for Transfer A.S.-T	84	+ Political Science, Associate in Arts for Transfer, A.A.-T	130
Computer Science Information Systems	85	+ Political Science	131
* Computer Programming	86	+ Psychology, Associate in Arts for Transfer, A.A.-T	132
* Cybersecurity and Networking	86	* Respiratory Therapy	133
* Web Design	87	• Anesthesia Technology	135
* Information Technology Support Specialist	86	◆ Sleep Disorders, Diagnostic Procedures, and Treatments	135
• Data Science	87	* Retail Management	135
◆ Information Technology Technician	88	+ Russian	136
◆ Network and Cybersecurity Technician	88	+ Sociology, Associate in Arts for Transfer, A.A.-T	136
• Programmable Logic Controllers	88	+ Spanish, Associate in Arts for Transfer, A.A.-T	137
+ Cross-Cultural Studies	88	+ Spanish	138
◆ Cross-Cultural Competence	89	+ Theatre Arts, Associate in Arts for Transfer A.A.-T	139
◆ Cross-Cultural Communication Skills	89	Theatre Arts	140
◆ Cross-Cultural Skills with Conversational-Level Second Language	89	+ Acting	140
* Culinary Arts	90	+ Technical	141
• Baking and Pastry	91	+ Technical Training Program	141
* Culinary Entrepreneurship	91	• University Studies	141
• Banquet Cook	92	+ Business and Economics	142
• Line Cook	92	+ Communication and Language Arts	142
• Pastry Cook	92	+ Humanities and Fine Arts	143
• Prep Cook	92	* Mathematics and Natural Science and Computer Science	143
+ Dance	93	+ Social and Behavioral Sciences	144

* A.S. Degree • Certificate of Achievement
+ A.A. Degree ◆ 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.



Associate Degree
for Transfer™

ASSOCIATE IN SCIENCE ADMINISTRATION OF JUSTICE FOR TRANSFER (A.S.-T)

The Administration of Justice for Transfer (A.S.-T) degree is designed to facilitate transfer to a California State University in keeping with SB 1440. This degree reflects the Transfer Model Curriculum (TMC) supported by the Statewide Academic Senate. A total of 18-19 units are required to fulfill the major portion of this degree. Students must also complete the California State University (CSU) General Education Breadth requirements or the Intersegmental General Education Transfer Curriculum (IGETC) 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 Science in Administration of Justice for Transfer (A.S.-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.

The Associate in Science in Administration of Justice for Transfer (A.S.-T) degree is designed for students who are planning a career in Administration of Justice and wish to transfer to a CSU to complete a bachelor's degree in Criminal Justice. A student may apply for this degree in conjunction with an Associate in Science in Administration of Justice with an emphasis in Law Enforcement, Corrections, or Forensic Technology, provided the required courses are met for those emphasis degrees. Many of the required courses for the emphasis degrees meet the requirements for the transfer degree. A student should speak with a counselor to verify if requirements for the degree have been met.

The Program-level Student Learning Outcomes (PSLOs)

below are outcomes that students will achieve after completing the specific degree requirements in this program. Students will:

1. Demonstrate knowledge, skills, and abilities relevant to the AOJ degree program completed.
2. Demonstrate ethical and professional behavior.
3. Communicate effectively, in written, verbal and non-verbal forms.
4. Identify the major components of the criminal justice system, current and historical, including laws enforcement, courts and corrections.
5. Describe and/or demonstrate the stages of a criminal investigation and the protocol of evidence collection, preservation, and analysis.

Associate Degree Major Requirements

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

Required Core

Subject & Number	Title	Units
Adm. of Justice 110	Introduction to Administration of Justice	3
Adm. of Justice 200	Criminal Law	3
Total		6

List A

Select TWO (2) of the following courses:

Adm. of Justice 125	Introduction to Corrections	3
Adm. of Justice 202	Criminal Evidence	3
Adm. of Justice 204	Criminal Trial Process	3
Adm. of Justice 206	Criminal Investigation	3
Adm. of Justice 208	Juvenile Procedures	3
Adm. of Justice 240	Community and the Justice System	3
Total		6

List B

Select TWO (2) of the following courses: (minimum 6 units):

Any List A course not used above or		
Mathematics 160	Elementary Statistics	4
or		
Anthropology / Psychology / Sociology 215	Statistics for the Behavioral Sciences	(4)
Political Science 121	Introduction to U.S. Government and Politics	3
Sociology 120	Introductory Sociology	3
Sociology 130	Contemporary Social Problems	3
Total		6-7
Units for the major		18-19
Units for CSU GE or IGETC-CSU GE		37-39
Total units required for the degree		60

Complete transferable units as needed to reach 60.

ADMINISTRATION OF JUSTICE

Students planning careers in Administration of Justice may elect a program from the four options that follow: Law Enforcement, Corrections, Forensic Technology or Security Management. The programs are designed to meet lower division university transfer, job entry, or promotion requirements, depending on student need.

Students seeking employment with local, state or federal law enforcement agencies specialize in Law Enforcement. Students seeking careers in a jail or prison system, parole, probation or certain aspects of social work may specialize in Corrections. Students who desire a career in scientific criminal investigation and in crime laboratories may specialize in Forensic Technology. Students interested in government, homeland defense, or corporate security, should pursue the Security Management area of emphasis.

The Administration of Justice Department also offers a Police Academy, Corrections Academy, Security Academy, and Public Safety Dispatch course.

Career Opportunities

<http://www.grossmont.edu/student-services/offices-and-services/careercenter/resources/default.aspx>

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 abilities relevant to the AOJ certificate / degree program completed.
2. Demonstrate ethical and professional behavior.
3. Communicate effectively, in written, verbal and non-verbal forms.
4. Identify the major components of the criminal justice system, current and historical, including laws enforcement, courts and corrections.
5. Describe and/or demonstrate the stages of a criminal investigation and the protocol of evidence collection, preservation, and analysis.

Associate Degree Major Requirements

Core Curriculum

For Law Enforcement area 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	Community 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 120	Community Policing and Patrol Procedures	3
Adm. of Justice 122	Traffic Law & Enforcement	3
Adm. of Justice 143	Gangs and Law Enforcement	3
Adm. of Justice 144	Probation and Parole	3
Adm. of Justice 155	Digital Investigations	3
Adm. of Justice 206	Criminal Investigation	3
Adm. of Justice 208	Juvenile Procedures	3
Adm. of Justice 210	Leadership in Criminal Justice	3
Adm. of Justice 214	Public Service Internship	2
Adm. of Justice 215	Public Service Internship	2
Adm. of Justice 264	Terrorism and Homeland Security	3
Total		12
Total Required		30
Plus General Education and Elective Requirements		

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.

Corrections

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 125	Introduction to Corrections	3
Adm. of Justice 140	Inmate Psychology and Supervision	3
Adm. of Justice 143	Gangs and Law Enforcement	3
Adm. of Justice 144	Probation and Parole	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 208	Juvenile Procedures	3
Adm. of Justice 210	Leadership in Criminal Justice	3
Adm. of Justice 214	Public Service Internship	(2)
Adm. of Justice 215	Public Service Internship	(2)
Total		26 or 27
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 Administration of Justice: Corrections. An official request must be filed with the Admissions and Records Office prior to the deadline as stated in the Academic Calendar.

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	Crime Scene Technology	4
Adm. of Justice 220	Forensic Analysis	4
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	42
	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	Leadership in Criminal Justice	3
Adm. of Justice 230	Public Safety Communications	3
Adm. of Justice 260	Information Security	3
Adm. of Justice 264	Terrorism and Homeland Security	3
	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 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.

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

<http://www.grossmont.edu/student-services/offices-and-services/careercenter/resources/default.aspx>

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

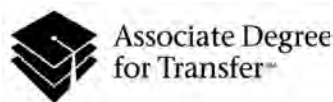
Note: All courses in the major must be completed with a letter grade of "C" or higher.

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 130	American Sign Language: Fingerspelling	3
American Sign Language 131	American Sign Language: Fingerspelling II	3
American Sign Language 140	Inside Deaf Culture	3
American Sign Language 220	American Sign Language III	4
American Sign Language 221	American Sign Language IV	4
Psychology 120	Introduction to Psychology	3
	Total	28
	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.



ASSOCIATE IN ARTS IN ANTHROPOLOGY FOR TRANSFER (A.A.-T)

The Associate in Arts in Anthropology for Transfer (A.A.-T) degree is designed to facilitate transfer to a California State University in keeping with SB1440. A total of 19-21 units are required to fulfill the major portion of this degree. This degree reflects the Transfer Model Curriculum (TMC) supported by the statewide Academic Senate. Students must also complete the California State University (CSU) General Education Breadth requirements or the Intersegmental General Education Transfer Curriculum (IGETC) for CSU requirements (see the "General Education Requirements and Planning Information" section of the catalog). Students transferring to transfer to SDSU should consult with a counselor.

The following requirements must be met to be awarded an Associate in Arts in Anthropology for Transfer (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.

Anthropology is the study of all aspects of humans, from the time of the earliest human ancestors to contemporary societies. Students of anthropology learn to develop a broad perspective on humanity, apply scientific research methods, and work effectively in a multi-cultural environment. These competencies can help students succeed in a global society.

A major in anthropology offers a solid foundation for students planning undergraduate and graduate work in anthropology, archaeology, or related fields in the social sciences or life sciences. Anthropology is an excellent background for professional training in medicine, education, law, business or social work, and for careers in the private sector, government and non-profit organizations.

The Program-level Student Learning Outcomes

(PSLOs) below are outcomes that students will achieve after completing specific degree/certificate requirements in this program. Students will:

1. Define and demonstrate an anthropological perspective built upon a holistic understanding of cultural and biological systems.
2. Explain the process of evolution by natural selection, with an emphasis on human and primate evolution.
3. Demonstrate awareness of cultural variation and the diversity of perspectives, practices, and beliefs found within and across cultures.

Associate Degree Major Requirements

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

Required Core

Subject & Number	Title	Units
Anthropology 120	Cultural Anthropology	3
Anthropology 130	Introduction to Physical Anthropology	3
Anthropology 140	Introduction to Archaeology	3
	Total	9

List A (a minimum of 3 units)

Select ONE (1) of the following:

Subject & Number	Title	Units
Anthropology 215	Statistics for the Behavioral Sciences	4
or		
Mathematics 160	Elementary Statistics	(4)
	Total	4

List B (3-5 units)

Select ONE (1) to TWO (2) of the following:

Biology 140	Human Anatomy	5
Geography 104	Introduction to Geographic Information Systems	3
Geology 110	Planet Earth	3
and		
Geology 111	Planet Earth Laboratory	1
Psychology 205	Research Methods for Psychology	3
Science 110	Introduction to Scientific Thought	3
	Total	3-5

List C (3 units)

Select ONE (1) of the following OR any course from List B not already used or:

Anthropology 122	Anthropology of Magic, Witchcraft, and Religion	3
Anthropology 127	Cultures of Latin America	3
Anthropology 131	Physical Anthropology Laboratory	1
Communication 124	Intercultural Communication	3
Cross Cultural Studies 114	Introduction to the Sociology of Minority Group Relations	3
or		
Sociology 114	Introduction to the Sociology of Minority Group Relations	(3)
Cross Cultural Studies 115	Cross Cultural Awareness	3
Cross Cultural Studies 125	Cross Cultural Psychology	3
or		
Psychology 125	Cross Cultural Psychology	(3)
Cross Cultural Studies 144	Communication Studies: Race and Ethnicity	3
Geography 130	Human Geography: The Cultural Landscape	3
History 114	Comparative History of the Early Americas	3
History 115	Comparative History of the Modern Americas	3
Religion 120	World Religions	3
Sociology 120	Introductory Sociology	3
Sociology 140	Sex and Gender Across Cultures	3
	Total	3
	Units for the major	19-21
	Units for CSU GE or IGETC – CSU GE	37-39
	Total units required for the degree	60

Complete transferable units as needed to reach 60.

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 World Languages.

Career Opportunities

<http://www.grossmont.edu/student-services/offices-and-services/careercenter/resources/default.aspx>

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 Arabic Speaker I	(5)
Arabic 221	Arabic IV	5
or		
Arabic 123	Arabic for the 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.

Certificate of Proficiency

Certificates of Proficiency are designed for the student who needs to be prepared for effective interaction in a diverse workplace or other settings. A department-issued certificate may be awarded upon successful completion of a prescribed course of study. These certificates will not appear on a student's transcript.

Basic Arabic for Healthcare Professionals

A certificate of proficiency is awarded to a student who completes Basic Arabic for Healthcare Professionals. This course is designed for healthcare professionals who would like to have a better understanding of the language and culture of the Arabic-speaking patient and to communicate in Arabic with them.

Program Student Learning Outcomes

Upon completing the course, the student will be able to:

- Comprehend most basic medical terms and communicate with the patient in simple and meaningful spoken Arabic.
- Use the target language effectively with patients in basic healthcare situation.
- Communicate effectively with family members when sharing basic medical information.
- Assist both the patient and doctor in the doctor's office.

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

Subject & Number	Title	Units
Arabic 161	Basic Arabic for Healthcare Professionals	1
	Total	1



Associate Degree
for Transfer™

ASSOCIATE IN ARTS IN ART HISTORY FOR TRANSFER (A.A.-T)

The Associate in Arts in Art 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 units are required to fulfill the major portion of this degree. Students must also complete the California State University (CSU) General Education Breadth requirements or the Intersegmental General Education Transfer Curriculum (IGETC) for CSU requirements (see the "General Education Requirements and Transfer Information" section of the catalog). Students planning to transfer to SDSU should consult with a counselor.

The following requirements must be met to be awarded an Associate in Arts in Arts in Art History for Transfer (A.A.-T) degree:

- Completion of 60 semester units or 90 quarter units

that are eligible for transfer to the California State University, including both of the following:

- The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirement.
 - A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
- Obtainment of a minimum grade point average of 2.0. Students are also required to earn a "C" grade or higher in all courses required for the major or area of emphasis.

The A.A.-T degree in Art History offers an engaged approach towards artistic practice and critical discourse through a variety and breadth of studio arts and art history courses, including two- and three-dimensional design, ceramics, digital art, drawing and painting, photography and sculpture.

The Visual Arts and Humanities Department fosters appreciation of culture through intellectual and practical engagement with the visual arts and humanities. Its mission is to teach artistic and critical thinking skills and an understanding of culture and history for degree, transfer and career-seeking students. The Department values excellence and empowerment through creative expression, community engagement, and respect for the diversity of culture and the human experience.

The Program-level Student Learning Outcomes (PSLOs)

below are outcomes that students will achieve after completing specific degree/certificate requirements in this program. Students will:

- Describe the important elements in the medium of art they are studying.
- Interpret art in the medium they are studying.
- Evaluate art in the medium they are studying.

Associate Degree Major Requirements

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

Required Core

Subject & Number	Title	Units
Art 124	Drawing I	3
Art 140	Survey of Western Art I: Prehistory through Middle Ages	3
Art 141	Survey of Western Art II: Renaissance through Modern Time	3
	Total	9

List A

Select ONE (1) of the following courses:

Art 142	Art of Africa, Oceania and the Americas	3
Art 146	Asian Art	3
	Total	3

List B

Select ONE (1) of the following courses:

Art 120	Two Dimensional Design	3
Art 129	Three-Dimensional Design	3
	Total	3

List C

Select ONE (1) of the following:

Any List A or List B course not used above or

Art 142	Art of Africa, Oceania and the Americas	3
Art 143	Modern Art	3
Art 145	Contemporary Art	3
Art 146	Asian Art	3
Art 147	American Art	3
	Total	3
	Units for the major	18
	Units for CSU GE or IGETC-CSU GE	37-39
	Total units required for the degree	60

Complete transferable units as needed to reach 60.



Associate Degree
for Transfer™

ASSOCIATE IN ARTS IN STUDIO ART FOR TRANSFER (A.A.-T)

The Associate in Arts in Studio Art 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 24 units are required to fulfill the major portion of this degree. Students must also complete the California State University (CSU) General Education Breadth requirements or the Intersegmental General Education Transfer Curriculum (IGETC) 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 Studio Art 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.

The A.A.-T degree in Studio Art offers an engaged approach towards artistic practice and critical discourse through a variety and breadth of studio arts and art history courses, including two- and three-dimensional design, ceramics, digital art, drawing and painting, photography and sculpture.

The Visual Arts and Humanities Department fosters appreciation of culture through intellectual and practical engagement with the visual arts and humanities. Its mission is to teach artistic and critical thinking skills

and an understanding of culture and history for degree, transfer and career-seeking students. The Department values excellence and empowerment through creative expression, community engagement, and respect for the diversity of culture and the human experience.

The Program-level Student Learning Outcomes

(PSLOs) below are outcomes that students will achieve after completing specific degree/certificate requirements in this program. Students will:

1. 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

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

Required Core

Subject & Number	Title	Units
Art 120	Two Dimensional Design	3
Art 124	Drawing I	3
Art 129	Three-Dimensional Design	3
Art 141	Survey of Western Art II: Renaissance through Modern	3
	Total	12

List A

Select ONE (1) of the following courses:

Art 140	Survey of Western Art I: Prehistory through Middle Ages	3
Art 142	Art of Africa, Oceania and the Americas	3
Art 143	Modern Art	3
Art 145	Contemporary Art	3
Art 146	Asian Art	3
	Total	3

List B

Select THREE (3) of the following courses:

Art 121	Painting I	3
Art 125	Drawing II	3
Art 126	Ceramics I	3
Art 130	Sculpture I	3
Art 131	Jewelry Design I	3
Art 171	Introduction to Digital Art	3
Art 230	Figure Drawing I	3
Photography 150	Introduction to Photography	3
	Total	9
	Units for the major	24
	Units for CSU GE or IGETC-CSU GE	37 - 39
	Total units required for the degree	60

Complete transferable units as needed to reach 60.

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-seeking students. The department values excellence and empowerment through creative expression, community engagement, and respect for the diversity of culture and the human experience.

Career Opportunities

<http://www.grossmont.edu/student-services/offices-and-services/careercenter/resources/default.aspx>

Advertising Manager*
 Antique Dealer
 Architect*
 Art Historian*
 Art Educator*
 Art Therapist*
 Ceramist
 Curator*
 Cartoonist+
 Designer+
 Fashion
 Floral
 Graphic
 Interior
 Set
 Display Manager
 Face Painter
 Layout Artist
 Make-up Artist
 Museum Curator*
 Museum Director*
 Museum Technician
 Painter
 Photographer
 Police Artist
 Sculptor
 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	Survey of Western Art I: Prehistory through Middle Ages	3
or		
Art 141	Survey of Western Art II: Renaissance through Modern	(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 136	Glaze Formation	3
Art 226	Ceramics IV	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 FOUR (4) of the following:

Art 104	Artists and Designers Today	3
Art 119	Color Theory	3
Art 121	Painting I	3
Art 172	Web and Portfolio Design	3
Art 177	Digital Drawing and Painting	3
Art 184	Introduction to Animation	3
Art 230	Figure Drawing I	3
Art 240	Portraiture and Character Design	3
Photography 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 220	Painting II	3
or		
Art 230	Figure Drawing I	(3)
Select THREE (3) of the following:		
Art 104	Artists and Designers Today	3
Art 106	Introduction to Mural Painting and Design	3
Art 119	Color Theory	3
Art 210	Introduction to Printmaking	3
Art 221	Painting III	3
Art 222	Painting IV	3
Art 231	Figure Drawing II	3
Art 240	Portraiture and Character Design	3
	Total	18
	Plus Core	12
	Total Required	30
	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
Art 120	Two Dimensional Design	3
Art 124	Drawing I	3
Art 129	Three Dimensional Design	3
Art 140	Survey of Western Art I: Prehistory through Middle Ages	3
or		
Art 141	Survey of Western Art II: Renaissance through Modern	(3)
Photography 150	Introduction to Photography	3
Photography 151	Personal Photographic Vision	3
Photography 152	Contemporary Photographic Practice	3
Photography 154	History of Photography	3
Photography 166	Image and Idea	3
Photography 252	Photographer's Portfolio	3
	Total required	30
	Plus General Education and Elective Requirements	

Certificate of Achievement Photography

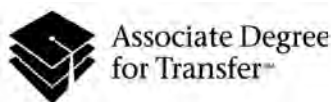
Note: All courses in the major must be completed with a letter grade of "C" or higher.

Subject & Number	Title	Units
Photography 150	Introduction to Photography	3
Photography 151	Personal Photographic Vision	3
Photography 152	Contemporary Photographic Practice	3
Photography 154	History of Photography	3
Photography 166	Image and Idea	3
Photography 252	Photographer's Portfolio	3
	Total	18

Certificate of Achievement

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

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



ASSOCIATE IN SCIENCE IN BIOLOGY FOR TRANSFER (A.S.-T)

The Associate in Science in Biology for Transfer (A.S.-T) Degree is designed to facilitate transfer to a California State University in keeping with SB 1440. A total of 35 units are required to fulfill the major portion of this degree. Students must also complete the Intersegmental General Education Transfer Curriculum (IGETC) STEM (Science, Technology, Engineering, and Math) requirements or the California State University System (CSU) STEM requirements (see the "General Education Requirements and Transfer Information" section of the catalog).

Students should speak with a counselor to verify that the requirements for this degree have been met.

The following requirements must be met to be awarded an Associate in Science in Biology for Transfer (A.S.-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 "P" (Pass) grade is not an acceptable grade for courses in the major.

The Biological Sciences Department offers a solid academic foundation for further study in life sciences. The primary emphasis of the biological sciences major program is to prepare students for successful transfer to baccalaureate (four-year) institutions. This course package for majors is modeled on the transfer requirement for the California State University system. Students should check the catalog of the transfer school being considered for its specific requirements and speak with a counselor.

The Program-level Student Learning Outcomes (PSLOs) below are outcomes that students will achieve after completing specific degree/certificate requirements in this program. Students will:

1. Explain how differences are the result of changes in characteristics due to natural selection and other forces of evolution.
2. Compare and contrast the ways that different kinds of cells, organisms or the community take in, use, and transfer energy to meet their metabolic needs (Homeostasis).
3. Describe how genetic information is stored, expressed, and transferred to offspring.
4. Explain how a specific structure has a specific function based on its characteristics.
5. Explain how molecules, cells, organs and/or organisms interact with one another and their environments.

Associate Degree Major Requirements

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

Required Core

Subject & Number	Title	Units
Biology 230	Principles of Cellular, Molecular and Evolutionary Biology	4
Biology 240	Principles of Ecology, Evolution and Organismal Biology	5
	Total	9
List A:		
Chemistry 141	General Chemistry I	5
Chemistry 142	General Chemistry II	5
Mathematics 180	Analytical Geometry & Calculus I	5
Physics 130	Fundamentals of Physics	4
Physics 131	Fundamentals of Physics	4
	Total	23
List B:		
Biology 215	Statistics for Life Sciences	3
	Total	3
	Units for the major	35
	Units for CSU GE STEM or IGETC-CSU GE STEM	33-31
	Total units required for the degree	60

Complete transferable units as needed to reach 60.

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

<http://www.grossmont.edu/student-services/offices-and-services/careercenter/resources/default.aspx>

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

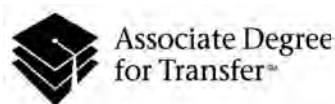
(PSLOs) below are outcomes that students will achieve after completing specific degree/certificate requirements in this program. Students will:

1. Explain how differences are the result of changes in characteristics due to natural selection and other forces of evolution.
2. Compare and contrast the ways that different kinds of cells, organisms or the community take in, use, and transfer energy to meet their metabolic needs (Homeostasis).
3. Describe how genetic information is stored, expressed, and transferred to offspring.
4. Explain how a specific structure has a specific function based on its characteristics.
5. Explain how molecules, cells, organs and/or organisms interact with one another and their environments.

Associate Degree Major Requirements

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 or Chemistry 241 and Chemistry 241L	Organic Chemistry I	5
Chemistry 241L	Organic Chemistry I Lecture	(3)
Chemistry 241L	Organic Chemistry I Laboratory	(2)
Mathematics 180	Analytical Geometry & Calculus	5
Physics 130	Fundamentals of Physics	4
Physics 131	Fundamentals of Physics	4
	Total Required	40
	Plus General Education and Elective Requirements	



ASSOCIATE IN SCIENCE IN BUSINESS ADMINISTRATION FOR TRANSFER (A.S.-T)

The Associate in Science in Business Administration for Transfer (A.S.-T) degree is designed to facilitate transfer to a California State University in keeping with SB 1440. This degree reflects the Transfer Model Curriculum (TMC) supported by the Statewide Academic Senate. A total of 28-29 units are required to fulfill the major portion of this degree. Students must also complete the California State University (CSU) General Education Breadth requirements or the Intersegmental General Education Transfer Curriculum (IGETC) 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 Science in Business Administration for Transfer (A.S.-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.

The Associate in Science in Business Administration for Transfer (A.S.-T) degree is designed to provide students with the common core of lower division courses required to transfer and pursue a baccalaureate degree in Business Administration. This includes business degrees with options such as accounting, finance, human resources management, international business, management, operations management, and marketing. The Associate in Science in Business Administration for Transfer degree aligns with the CSU Bachelor of Science in Business Administration.

The Business Administration Department strives to impart the following **Program-level Student Learning Outcomes (PSLOs)** through the successful completion of the specific degree requirements in this program. Students will:

1. Demonstrate In-depth knowledge and understanding of fundamental business concepts.
2. Demonstrate the ability to identify, apply, and integrate functional business knowledge to solve problems in practical business situations involving accounting, law, and general business.
3. Demonstrate effective written and oral skills in these areas.
4. Demonstrate the ability to identify and resolve moral and ethical business issues.

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

Associate Degree Major Requirements

Required Core

Subject & Number	Title	Units
Business 120	Financial Accounting	4
Business 121	Managerial Accounting	4
Business 125	Business Law: Legal Environment of Business	3
Economics 120	Principles of Macroeconomics	3
Economics 121	Principles of Microeconomics	3
	Total	17

List A:

Select ONE (1) of the following courses:

Mathematics 160	Elementary Statistics	4
Mathematics 178	Calculus for Business	4
	Total	4

List B:

Select TWO (2) of the following courses:

Any List A course not used above or		
Business 128	Business Communication	3
Computer Science	Principles of Information Systems	4
Information Systems 110	Systems	4
	Total	7-8
	Units for the major	28-29
	Units for CSU GE or IGETC-CSU GE	37-39
	Total units required for the degree	60

Complete transferable units as needed to reach 60.

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

<http://www.grossmont.edu/student-services/offices-and-services/careercenter/resources/default.aspx>

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

<http://www.grossmont.edu/student-services/offices-and-services/careercenter/resources/default.aspx>

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 or Business 120	Elementary Accounting	3
Business 110	Financial Accounting	(4)
Business 115	Introduction to Business	3
Business 125	Human Relations in Business	3
Business 128	Business Law: Legal Environment of Business	3
Business 128 or Business Office Technology 110	Business Communication	3
Business 146	Business English and Communications	(3)
Business 152	Marketing	3
Business 195	Business Mathematics	2
Business Office Technology 172	Principles of Money Management for Success	3
Economics 120	Introduction to Microcomputer Applications	2
	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

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.

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 & 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

<http://www.grossmont.edu/student-services/offices-and-services/careercenter/resources/default.aspx>

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	<u>Integrated Office Projects</u>	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	<u>Office Work Experience</u>	(3)
	Total	1-3

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

Subject & Number	Title	Units
Business Office Technology 103 A 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 132	Google Applications for Business	3
Business Office Technology 150	Using Microsoft Publisher	1
Business Office Technology 151	Using Microsoft Outlook	1
	Total	3
	Total Required	22-30
	Plus General Education and Elective Requirements	

**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
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
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
Business Office Technology 127	Comprehensive Access, Level II	1
Business Office Technology 128	Comprehensive Access, Level III	1
Business Office Technology 129	Comprehensive PowerPoint, Level I	1
Business Office Technology 130	Comprehensive PowerPoint, Level II	1
Business Office Technology 131	Comprehensive PowerPoint, Level III	1
Business Office Technology 151	Using Microsoft Outlook	1
Business Office Technology 201	Advanced Keyboarding/ Document Processing	3
Business Office Technology 203	<u>Office Project Coordination</u>	1
	Total	20

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

Subject & Number	Title	Units
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
Business Office Technology 132	Google Applications for 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
	Total	1
	Total Required	24
	Plus General Education and Elective Requirements	

Certificate of Achievement

Any student who completes the preceding major requirements for Administrative Assistant or Executive Assistant qualifies for a Certificate of Achievement in Business Office Technology. An official request must be filed with the Admissions and Record Office prior to the deadline as stated in the Academic Calendar.

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

Certificate of Achievement Business Information Worker

The Business Information Worker Certificate of Achievement is a job readiness pathway or certificate for office workers, developed in conjunction with local employers. Enrolled students are prepared in a broad range of entry-level office skills and applications, which promote success in a variety of office environments. Essential components of the curriculum include a solid foundation in Microsoft Windows and Office, as well as critical thinking, problem solving, and interpersonal skills.

Certificate of Achievement Requirements

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
Business Office Technology 115	Essential Excel	1
Business Office Technology 119	Windows for the Information Worker	2
Business Office Technology 151	Using Microsoft Outlook	1
Business 115	Human Relations in Business	3
Business 128	Business Communications	3
Computer Science Information Systems 110	Principles of Information Systems	4
	Total	16

Any student who chooses to complete only the courses required for the above major qualifies for a certificate in Business Information Worker. An official request must be filed with the Admissions and Records Office prior to the deadline as stated in the Academic Calendar.

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
Business Office Technology 101A	Keyboarding/ Document Processing I	(1.5)
Business Office Technology 101B	Keyboarding/ Document Processing II	(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 or Business Office Technology 103A and Business Office Technology 103B	Basic Keyboarding	1
Business Office Technology 104	Building Keyboarding Skill I (.5)	
Business Office Technology 107	Building Keyboarding Skill II (.5)	
Business Office Technology 113	Filing and Records Management	1
Business Office Technology 151	Office Systems and Procedures 2	2
Business Office Technology 113	Social Media Basics for the Job Seeker	.5
Business Office Technology 172	Using Microsoft Outlook Introduction to Microcomputer Application	1 2
	Total	7.5

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	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 101 or Business Office Technology 101A and Business Office Technology 101B	Keyboarding/ Document Processing	3
Business Office Technology 104	Keyboarding/ Document Processing I	(1.5)
Business Office Technology 104	Keyboarding/ Document Processing II	(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
Business Office Technology 132	Google Applications for Business	3
	Total	9

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 or Business Office Technology 102A and Business Office Technology 102B	Intermediate Keyboarding/ Document Processing	3
Business Office Technology 107	Intermediate Keyboarding/ Document Processing I	(1.5)
Business Office Technology 114	Intermediate Keyboarding/ Document Processing II	(1.5)
Business Office Technology 115	Office Systems and Procedures 2	2
Business Office Technology 116	Essential Word	1
Business Office Technology 117	Essential Excel	1
Business Office Technology 117	Essential Access	1
	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 or Business Office Technology 101 or Business Office Technology 101A and Business Office Technology 101B	Basic Keyboarding	1
Business Office Technology 101 or Business Office Technology 101A and Business Office Technology 101B	Keyboarding/ Document Processing	(3)
Business Office Technology 101A and Business Office Technology 101B	Keyboarding/ Document Processing I	(1.5)
Business Office Technology 101B	Keyboarding/ Document Processing II	(1.5)
Business Office Technology 102 or Business Office Technology 102A and	Intermediate Keyboarding/ Document Processing	(3)
Business Office Technology 102A and	Intermediate Keyboarding/ Document Processing I	(1.5)

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 or Business Office Technology 112	Business Office Correspondence and Office Professionalism	(3)
Business Office Technology 114	Essential Word	1
Business Office Technology 115	<u>Essential Excel</u>	<u>1</u>
	Total	9-11

Office Software Specialist, Level I

This certificate of Proficiency is designed for the student who is interested in working in an administrative support capacity and needs working knowledge of word processing, electronic spreadsheet, database, and presentation software. These courses may also be applied to the Office Assistant Level II Certificate of Proficiency.

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 or Business Office Technology 120 and Business Office Technology 121	Essential Word	1
Business Office Technology 120 and Business Office Technology 121	Comprehensive Word, Level I	(1)
Business Office Technology 115 or Business Office Technology 123 and Business Office Technology 124	Comprehensive Word, Level II	(1)
Business Office Technology 116 or Business Office Technology 126 and Business Office Technology 127	Essential Excel	1
Business Office Technology 123 and Business Office Technology 124	Comprehensive Excel, Level I	(1)
Business Office Technology 124 and Business Office Technology 116 or Business Office Technology 126 and Business Office Technology 127	Comprehensive Excel, Level II	(1)
Business Office Technology 116 or Business Office Technology 126 and Business Office Technology 127	Essential Access	1
Business Office Technology 126 and Business Office Technology 127	Comprehensive Access, Level I	(1)
Business Office Technology 127 and Business Office Technology 117 or Business Office Technology 129 and Business Office Technology 130	Comprehensive Access, Level II	(1)
Business Office Technology 117 or Business Office Technology 129 and Business Office Technology 130	Essential PowerPoint	1
Business Office Technology 129 and Business Office Technology 130	Comprehensive PowerPoint, Level I	(1)
Business Office Technology 129 and Business Office Technology 130	Comprehensive PowerPoint, Level II	(1)
	<u>Total</u>	<u>5-9</u>

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 or Business Office Technology 114	Comprehensive Word, Level I	1
Business Office Technology 121	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 or Business Office Technology 115	Comprehensive Excel, Level I	1
Business Office Technology 123 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 or Business Office Technology 116	Comprehensive Access, Level I	1
Business Office Technology 116 or Business Office Technology 127	Essential Access	(1)
Business Office Technology 127	Comprehensive Access, Level II	1
Business Office Technology 129	Comprehensive PowerPoint, Level I	1
Business Office Technology 117 or Business Office Technology 130	Essential PowerPoint	(1)
Business Office Technology 130	Comprehensive PowerPoint, Level II	<u>1</u>
	<u>Total</u>	<u>12</u>

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 13 for special admission procedures and criteria.

Cardiovascular Technology students are educated in the theory and clinical application of diagnostic tests used in the diagnosis and treatment of cardiovascular disease. The first year of the program is composed of a core curriculum of courses which encompass physics, mathematics, cardiovascular anatomy, physiology and pathophysiology, medical instrumentation and the application of clinical cardiovascular techniques.

After the first semester, students select one of three subspecialties for concentrated study, which includes lecture, laboratory and clinical experience courses.

Students are admitted to the Cardiovascular Technology Program based on the date a completed application packet is submitted to include the following: CVT application, completed immunizations and/or tests and official transcripts of all science prerequisites if taken outside of GCCCD. Program applications are accepted year round and is a separate process from an application to Grossmont College.

For all information on admission criteria, see the Cardiovascular Technology Program website at <https://www.grossmont.edu/cvt>

Grossmont College prepares the student for an Associate Degree in Science as a Cardiovascular Technologist. In addition to the cardiovascular technology courses, the major requires selected general education courses to be successfully completed for the degree. Upon completion

of all degree requirements, the graduate is eligible to sit for the registry exam as a Cardiovascular Technologist administered by Cardiovascular Credentialing International (CCI) and/or with the American Registry of Diagnostic Medical Sonographers (ARDMS).

The Associate Degree Cardiovascular Technology Program is accredited through the Commission on Accreditation of Allied Health Education Programs (CAAHEP) upon the recommendation of the Joint Review Committee on Education in Cardiovascular Technology (JRC-CVT) located at 25400 US Highway, 19 North, Suite 158, Clearwater, FL 33763.

IMPORTANT: Any prior conviction of a misdemeanor or felony may influence eligibility for licensure or certification as a Cardiovascular Technologist. A flagged background check or drug screen may also prohibit participation in the program, registry, or securing employment. Applicants with prior convictions are urged to contact Cardiovascular Credentialing International (CCI) at 800-326-0268 and the American Registry of Diagnostic Medical Sonographers (ARDMS) at 301-738-8401.

Subspecialties include:

Invasive Cardiovascular Technology

Invasive Cardiovascular Technologists work in cardiac catheterization laboratories where they assist the invasive cardiologist in performing diagnostic and interventional procedures such as cardiac catheterization, balloon angioplasty, electrocardiographic monitoring, and stent and pacemaker placement. The technologist assists the physician during the catheterization, providing the appropriate instruments, operates various pieces of electronic medical equipment and calculates clinical information for interpretation by the physician.

Adult Echocardiography

Adult Echocardiographers perform cardiac ultrasound studies and specialized electrocardiographic procedures. The information obtained from these clinical studies is used by the cardiologist to evaluate patients for cardiovascular disease and designing comprehensive treatment plans. These technologists perform the studies, operate various electronic instruments, prepare preliminary reports and calculate clinical information for interpretation by the physician.

Vascular Technology

Vascular Technologists perform ultrasound and other diagnostic studies to evaluate arterial and venous obstructions, malformations, or diseases which may put the patient at risk for a stroke, or for loss of circulation in their extremities. The information obtained from these clinical studies is used by vascular surgeons and neurologists to establish a diagnosis, assess the severity of existing disease, and to design comprehensive treatment plans. The vascular technologist performs the studies, operates various medical instruments, prepares preliminary reports and calculates clinical information for interpretation by the physician.

Career Opportunities

<http://www.grossmont.edu/student-services/offices-and-services/careercenter/resources/default.aspx>

Coronary Interventional Specialist
Cath Lab Specialist
Echocardiographer
Echocardiographer
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, oximeters, cardiac pacemakers, cardiac output computers and electrophysiology simulators.
4. Students of ADULT ECHOCARDIOGRAPHY will apply principles of cardiovascular anatomy, physiology, pathophysiology and medical instrumentation to perform, analyze and interpret diagnostic studies: M-Mode, Two-Dimensional, Doppler and Transesophageal cardiac ultrasound studies.
5. Students of ADULT ECHOCARDIOGRAPHY will perform diagnostic cardiac ultrasound studies using standard and Doppler ultrasound instruments equipped with surface and transesophageal transducers. Calculate prescribed hemodynamic function indices for interpretation by the physician.
6. Students of VASCULAR TECHNOLOGY will apply principles of vascular anatomy, physiology, pathophysiology and medical instrumentation to perform and interpret diagnostic studies: 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. Completion of MATH 103 or a higher numbered math course with a grade of "C" or higher or a grade of "P".
 2. Placement into MATH 125 or a math course numbered MATH 170 or above. (Students meeting competency through placement 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

English as a Second Language 122

2. Oral Communication

Communication 120, 122, 130

3. Analytical Thinking

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

Anthropology 215

Biology 215

Economics 215

Geography 104

Mathematics 103, 108, 110, 120, 125, 126, 150, 160,

170, 175, 176, 178, 180, 245, 280, 281, 284, 285

Philosophy 125, 130

Physical Science 120

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, 141L*, 144, 145, 152, 230, 240

Chemistry 102, 110, 113, 115, 116, 117, 120, 141, 142,

231, 232, 241, 241L*, 242, 242*

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 126, 127, 134, 143, 144, 236, 237, 238
 Dance 110, 120
 English 122, 126, 134, 135, 136, 137, 201, 203, 215, 217, 218, 219, 221, 222, 231, 232, 236, 237, 238, 275, 276, 277
 English as a Second Language 115
 French 120, 121, 152, 220, 221, 250, 251
 German 120, 121, 220, 221, 250, 251
 History 100, 101, 103, 105, 106, 113, 126, 135, 140, 136, 137, 148
 Humanities 110, 120, 125, 130, 135, 140, 160, 170
 Italian 120, 121, 220, 221, 250, 251
 Japanese 120, 121, 149, 220, 221, 250, 251
 Media Communications 111
 Music 110, 111, 115, 116, 117, 123, 189
 Philosophy 110, 111, 112, 114, 116, 118, 140, 141, 145, 150, 155, 160
 Photography 150, 154
 Religious Studies 120, 130, 140, 150, 170
 Russian 120, 121, 220, 221, 250, 251
 Spanish 120, 121, 122, 123, 141, 145, 220, 221, 250, 251
 Theatre Arts 101, 110, 130, 143, 144, 205

Area D - Social Sciences

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

Administration of Justice 110
 Anthropology 120, 122, 127, 140
 Child Development 115, 125, 131, 134, 145, 153
 Communication 124, 126, 128
 Cross-Cultural Studies 114, 115, 116, 118, 119, 125, 128, 130, 131, 132, 133, 135, 143, 145, 154, 155, 180, 181
 Economics 110, 120, 121
 Family Studies 115, 120
 Geography 100, 101, 106, 130, 170
 Health Education 120, 201
 Health Science 110
 History 108, 109, 114, 115, 118, 119, 122, 123, 124, 130, 131, 154, 155, 180, 181
 Media Communications 110, 210
 Nutrition 155, 158, 159
 Political Science 120, 121, 124, 130, 140, 150, 160
 Psychology 120, 125, 132, 134, 138, 140, 170, 220
 Sociology 114, 120, 125, 130, 138, 140, 150

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, 078 A, 078B, 080A, 080B, 080C, 080D, 081A, 081B, 081C, 081D, 082A, 082B, 083A, 083B, 084A, 084B, 084C, 084D, 088A, 088B, 088C, 088D, 094A, 094B, 094C, 094D, 099A, 099B, 099C, 116, 118A, 118B, 118C, 118D

Exercise Science 001, 002, 003, 004A, 004B, 004C, 005A, 005B, 005C, 006A, 006B, 006C, 007A, 007B, 007C, 008A, 008B, 008C, 009A, 009B, 009C, 017A, 017B, 017C, 021A, 021B, 021C, 023A, 023B, 023C, 024A, 024B, 024C, 026, 027A, 027B, 027C, 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, 121, 125A, 125B, 125C, 130A, 130B, 130C, 155A, 155B, 155C, 170A, 170B, 170C, 171A, 171B, 171C, 172A, 172B, 172C, 175A, 175B, 175C, 176A, 176B, 176C, 180, 185A, 185B, 185C

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	3
Cardiovascular Technology 103	Laboratory Practicum and Proficiency Testing I	2
Cardiovascular Technology 111	Cardiovascular Physiology II	4
Cardiovascular Technology 113	Introduction to Clinical Practicum II	1
Cardiovascular Technology 114	Cardiovascular Pharmacology	2
	Total	18

Area of Emphasis Invasive

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

Subject & Number	Title	Units
Cardiovascular Technology 109	X-Ray Physics and Radiation Safety	3
Cardiovascular Technology 116	Introduction to Invasive Cardiology	4
Cardiovascular Technology 122	Clinical Practicum I: Invasive Cardiology	2
Cardiovascular Technology 222	Diagnostic Procedures, Invasive Cardiology	5
Cardiovascular Technology 232	Clinical Practicum II: Invasive Cardiology	5
Cardiovascular Technology 252	Interventional Procedures II: Invasive Cardiology	5
Cardiovascular Technology 262	Clinical Practicum III: Invasive Cardiology	5
	Total	29
	Total Required	47
	Plus General Education and Elective Requirements	

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 110	Physical Principles of Medicine II	3
Cardiovascular Technology 115	Introduction to Adult Echocardiography	4
Cardiovascular Technology 121	Clinical Practicum I: Adult Echocardiography	2

Cardiovascular Technology 221	Diagnostic Procedures I: Adult Echocardiography	5
Cardiovascular Technology 231	Clinical Practicum II: Adult Echocardiography	5
Cardiovascular Technology 251	Diagnostic Procedures II: Adult Echocardiography	5
Cardiovascular Technology 261	Clinical Practicum III: Adult Echocardiography	5
	Total	29
	Total Required Plus General Education and Elective Requirements	47

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 110	Physical Principles of Medicine II	3
Cardiovascular Technology 117	Introduction to Vascular Technology	4
Cardiovascular Technology 123	Clinical Practicum I: Vascular Technology	2
Cardiovascular Technology 223	Diagnostic Procedures I: Vascular Technology	5
Cardiovascular Technology 233	Clinical Practicum II: Vascular Technology	5
Cardiovascular Technology 253	Diagnostic Procedures II: Vascular Technology	5
Cardiovascular Technology 263	Clinical Practicum III: Vascular Technology	5
	Total	29
	Total Required Plus General Education and Elective Requirements	47

Telemetry / ECG Technician Certificate of Achievement

All Allied Health and Nursing students adhere to the graduation requirements outlined in the college catalog for the academic year in which they enter the program.

The Telemetry/ECG Technician Certificate of Achievement is awarded to students who complete both the ECG Technician and Telemetry Technician track courses. Completion of both topics will prepare students with the skills necessary to gain employment as an ECG Technician, Exercise Treadmill Technician, Holter Monitor Technician, Pacemaker Technician, or Telemetry Technician. Students successfully completing the certificate are employable to hospitals and healthcare facilities throughout the country and are encouraged to sit for their national registry exams through Cardiovascular Credentialing International.

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

Subject & 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

<http://www.grossmont.edu/student-services/offices-and-services/careercenter/resources/default.aspx>

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
or Chemistry 241	Organic Chemistry I Lecture	(3)
and Chemistry 241L	Organic Chemistry I Laboratory	(2)

Chemistry 232	Organic Chemistry II	5
or		
Chemistry 242	Organic Chemistry II Lecture (3)	
and		
Chemistry 242L	Organic Chemistry II Laboratory	(2)
	Total	20

Select SIXTEEN (16) units from the following courses:

Subject & Number	Title	Units
Mathematics 180	Analytic Geometry & Calculus I	5
Mathematics 280	Analytic Geometry & Calculus II	4
Mathematics 281	Multivariable Calculus	4
Mathematics 285	Differential Equations	3
Physics 140	Mechanics of Solids	4
Physics 240	Electricity, Magnetism & 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

<http://www.grossmont.edu/student-services/offices-and-services/careercenter/resources/default.aspx>

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 & 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 & 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

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.

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.



Associate Degree
for Transfer™

ASSOCIATE IN SCIENCE IN EARLY CHILDHOOD EDUCATION FOR TRANSFER DEGREE (A.S.-T)

The Associate in Science in Early Childhood Education for Transfer (A.S.-T) degree is designed to facilitate transfer to a California State University in keeping with SB 1440. This degree reflects the Transfer Model Curriculum (TMC) supported by the Statewide Academic Senate. A total of 24 units are required to fulfill the major portion of this degree. Students must also complete the California State University (CSU) General Education Breadth requirements or the Intersegmental General Education Transfer Curriculum (IGETC) 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 Science in Early Childhood Education for Transfer (A.S.-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.

The Child Development Program is designed to provide courses which lead toward an Associate Degree and/or Certificate in Child Development and meet the requirements of the California Commission on Teacher Credentialing. It emphasizes program and curriculum planning for children from infancy through school age, guidance techniques, special needs of children and families, creative learning, health and safety education, administration of child development programs and current issues in the field.

The Program-level Student Learning Outcomes

(PSLOs) below are outcomes that students will achieve after completing specific degree/certificate requirements in this program. Students will:

1. Analyze and apply principles of scientific research to the study of human development; integrate and apply current theory and research to the observation, documentation, and unbiased analysis of human behaviors.
2. Formulate practical applications of theory and research to developmentally appropriate practice in varying contexts: personal, classroom, agency and community.
3. Critically examine societal and personal attitudes, beliefs, values and assumptions towards the diverse contexts of child and human development including: ethnicity, gender, language, family structure, socio-economic status, age and ability.
4. Compare and examine differing social, economic, political, historical, cultural and family contexts and their effect on human development; demonstrate effective advocacy techniques related to current social issues pertaining to children, adults, and families.

Associate Degree Major Requirements

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

Required Core

Subject & Number	Title	Units
Child Development 123	Principles and Practices of Programs and Curriculum for Young Children	3
Child Development 125	Child Growth and Development	3
Child Development 130	Curriculum: Design and Implementation	3
Child Development 131	Child, Family and Community	3
Child Development 134	Health, Safety and Nutrition of Young Children	3
Child Development 153	Teaching in a Diverse Society	3
Child Development 212	Practicum in Early Childhood Education	3
Child Development 213	Observation and Assessment	3
	Total	24
	Units for the major	24
	Units for CSU GE or IGETC-CSU GE	37-39
	Total units required for the degree	60

Complete transferable units as needed to reach 60.



Associate Degree
for Transfer™

ASSOCIATE IN ARTS IN COMMUNICATION STUDIES FOR TRANSFER (A.A.-T)

The Associate in Arts in Communication Studies 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 units are required to fulfill the major portion of this degree. Students must also complete the California State University (CSU) General Education Breadth requirements or the Intersegmental General Education Transfer Curriculum (IGETC) for CSU requirements (see the "General Education Requirements and Transfer Information" section of the catalog). Students planning to transfer to SDSU should consult with a counselor.

The following requirements must be met to be awarded an Associate in Arts in Communication Studies 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.

The Communication Studies degree is designed to provide the student with a broad base of communication classes that will provide training for entry into occupations in which verbal skills are important.

The Program-level Student Learning Outcomes (PSLOs) below are outcomes that students will achieve after completing specific degree/certificate requirements in this program. Students will:

1. Exhibit the ability to listen actively.
2. Critically evaluate oral and written messages in order to assess credibility and validity.
3. Practice perspective-taking so as to display other-centered communication within and across diverse communities.
4. Appraise the strengths, limitations, and consequences of the use of various communication methods.
5. Demonstrate confident and competent use of language and nonverbal communication.

Associate Degree Major Requirements

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

Required Core

Subject & Number	Title	Units
Communication 122	Public Speaking	3

List A

Select TWO (2) of the following courses:

Communication 120	Interpersonal Communication	3
Communication 137	Critical Thinking in Group Communication	3
Communication 145	<u>Argumentation</u>	3
	Total	6

List B

Select TWO (2) of the following courses:

Any List A course not used above or		
Communication 123	Advanced Public Speaking	3
Communication 124	Intercultural Communication	3
Communication 135	Oral Interpretation of Literature	3
Communication 240	Speech and Debate <u>Competition III</u>	3
	Total	6

List C

Select ONE (1) of the following courses:

Any List A or List B course not used above or		
Communication 128	Global Communication	3
Communication 136	Readers Theatre	3
Communication 144	Communication Studies: <u>Race and Ethnicity</u>	3
	Total	3
	Units for the major	18
	Units for CSU GE or IGETC-CSU GE	37-39
	Total units required for the degree	60

Complete transferable units as needed to reach 60.

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

<http://www.grossmont.edu/student-services/offices-and-services/careercenter/resources/default.aspx>

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

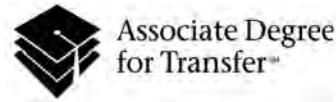
Select TWO (2) of the following courses:

Subject & Number	Title	Units
Communication 124	Intercultural Communication	3
Communication 126	Communication Studies: Health and Wellness	3
Communication 128	Global Communication	3
Communication 144/ Cross Cultural Studies 144 Media	Communication Studies: Race and Ethnicity	3
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.



ASSOCIATE IN SCIENCE IN COMPUTER SCIENCE FOR TRANSFER DEGREE (A.S.-T)

The Associate in Science in Computer Science for Transfer (A.S.-T) degree will fulfill the mission of both Grossmont College and the community college system by providing a specific group of baccalaureate-level courses that will meet lower division degree requirements in the discipline and allow for seamless transfer to a California State University to complete a baccalaureate degree in a TMC (Transfer Model Curriculum) discipline or similar major.

The Program-level Student Learning Outcomes (PSLOs) below are outcomes that students will achieve after completing specific degree/certificate requirements in this program. Students will:

1. Define and apply current Software Engineering design patterns, algorithms, and data structures to produce efficient, well-engineered software applications.
2. Apply problem-solving skills and the knowledge of computer science to solve real-world problems.
3. Define and demonstrate the concept of object oriented programming and object oriented design.

The Associate in Science in Computer Science for Transfer (A.S.-T.) degree is designed to facilitate transfer to a California State University in keeping with SB 1440. A total of 32 units are required to fulfill the major portion of this degree. Students must also complete the Intersegmental General Education Transfer Curriculum (IGETC) for CSU admission requirements (see the "General Education Requirements and Transfer Information" section of the catalog). Students should speak with a counselor to verify that the requirements for this degree have been met. In addition, students planning to transfer to San Diego State University should consult with a counselor.

The following requirements must be met to be awarded an Associate in Science in Computer Science for Transfer (A.S.-T.) degree:

- (1) Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
 - (A) The Intersegmental General Education Transfer Curriculum (IGETC).
 - (B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
- (2) Obtainment of a minimum grade point average of 2.0.

Most careers in computer science require a bachelor's degree, and some require a graduate-level degree. The coursework for this associate degree prepares students who plan to transfer and major in computer science with the lower-division computer programming and mathematics coursework required by most colleges and universities. It is designed to provide a strong foundation in programming methodology and skills, and computer organization. Additionally, students

gain the necessary theoretical and practical knowledge necessary to work in a variety of computer related fields such as Software Engineering, Computer Engineering, Computer Systems Analysis, Network Engineering, Cloud Computing, Mobile Application Development, Computer Support, Computer Information Systems, Database Administration, Network Security, and Web Development.

Associate in Science in Computer Science for Transfer Degree

Associate Degree Major Requirements

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

Required Core

Subject & Number	Title	Units
Biology 230	Principles of Cellular, Molecular and Evolutionary Biology	4
Computer Science Info. Systems 165	Assembly Language and Machine Architecture	4
Computer Science Info. Systems 240	Discrete Structures	3
Computer Science Info. Systems 293	Introduction to Java Programming	4
Computer Science Info. Systems 294	Intermediate Java Programming	4
Mathematics 180	Analytic Geometry & Calculus I	5
Mathematics 280	Analytic Geometry & Calculus II	4
Physics 140	Mechanics of Solids	4
	Units for the major	32
	Units for IGETC-CSU GE	37
	Total units required for the degree	60

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, 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

<http://www.grossmont.edu/student-services/offices-and-services/careercenter/resources/default.aspx>

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 Outcomes (PSLOs)

below is an outcome that students will achieve after completing specific degree/certificate requirements in this program.

Students will perform computer end user support including identifying and implementing solutions to user requests.

1. Analyze and evaluate a computer –related situation in a business and/or scientific environment to identify a potential problem.
2. Design a technologically feasible and efficient solution.
3. Construct and complete the solution.
4. Demonstrate and explain the solution.

Similar Course List

The following Grossmont and Cuyamaca College courses are considered similar enough to be accepted in the major for local Computer Science degrees in the district. No Modification of Major forms are required at either campus.

Grossmont Course	Similar Cuyamaca Course
CSIS 112	CIS 190
CSIS 113	CIS 191
CSIS 119	CS 119
CSIS 132	CIS 211
CSIS 133	CIS 213
CSIS 135	CIS 215
CSIS 172	CIS 105
CSIS 180	CIS 140
CSIS 276	CIS 240
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 293	Introduction to Java Programming	4
Computer Science Info. Systems 294	Intermediate Java Programming	4
Computer Science Info. Systems 296	Introduction to C++ Programming	4
Computer Science Info. Systems 297	Intermediate C++ Programming	4
	Total	22

Select TWO (2) of the following courses:

Subject & Number	Title	Units
Computer Science Info. Systems 132	Introduction to Web Development	3
Computer Science Info. Systems 133	Intermediate Web Development	3
Computer Science Info. Systems 135	Introduction to JavaScript Programming	3
Computer Science Info. Systems 165	Assembly Language and Machine Architecture	4
Computer Science Info. Systems 250	Introduction to Python Programming	4
Computer Science Info. Systems 276	Introduction to SQL	4
Computer Science Info. Systems 290	Introduction to C# Programming	4
Computer Science Info. Systems 295	Android Application Development with Java	4
	Total	6-8
	Total Required	28-30
	Plus General Education and Elective Requirements	

Area of Emphasis Cybersecurity and Networking

An area of emphasis leading to an entry level position which specializes in networking and cyber defense. Students completing this sequence will be expected to assist network managers and cybersecurity managers in small, medium, and large-sized organizations.

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

Subject & Number	Title	Units
Computer Science Info. Systems 113	Introduction to Linux	3
Computer Science Info. Systems 121	Introduction to Cybersecurity	3
Computer Science Info. Systems 125	Network + Certification	3
Computer Science Info. Systems 250	Introduction to Python Programming	4
Computer Science Info. Systems 263	Security + Certification	3
	Total	16

Select at least NINE (9) units in any of the following courses:

Subject & Number	Title	Units
Business 128	Business Communication	3
Computer Science Info. Systems 110	Principles of Information Systems	4
Computer Science Info. Systems 120	Computer Maintenance and A+ Certification	3
Computer Science Info. Systems 130	Windows Server: Installing & Configuring	2
Computer Science Info. Systems 145	Introduction to TCP/IP	2
Computer Science Info. Systems 213	Linux System Administration	3
Computer Science Info. Systems 230	Windows Server: Administering	2
Computer Science Info. Systems 264	Ethical Cybersecurity Hacking	3
Computer Science Info. Systems 265	Computer Forensics Fundamentals	3
	Total	9-10
	Total Required	25-26
	Plus General Education and Elective Requirements	

Area of Emphasis Information Technology Support Specialist

The Information Technology Support Specialist degree will provide a student with sufficient skills to obtain a position in industry as an Information Technology Support Specialist. The skills to be gained with this degree include familiarity with the most popular desktop computer operating systems as well as hands-on experience with the associated hardware, networking, and web development software. An official request from the student must be filed with the Admissions and Records Office prior to the deadline stated in the yearly calendar listed in the class schedule and catalog.

The Program-level Student Learning Outcomes (PSLOs) below are outcomes that students will achieve after completing specific degree/certificate requirements in this program. Students will: Transfer, enter the workforce, and promote life-long learning.

Associate Degree Major Requirements

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 120	Computer Maintenance and A+ Certification	3
Computer Science Info. Systems 125	Network + Certification	3
Computer Science Info. Systems 132	Introduction to Web Development	3
Total		19
Plus General Education and Elective Requirements		

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 or Computer Science Info. Systems 105	Principles of Information Systems	4
Computer Science Info. Systems 112	Introduction to Computing	(3)
Computer Science Info. Systems 112	Windows Operating Systems	3
Computer Science Info. Systems 132	Introduction to Web Development	3
Total		9-10

Select THREE (3) of the following courses:

Subject & Number	Title	Units
Computer Science Info. Systems 133	Intermediate Web Development	3
Computer Science Info. Systems 135	JavaScript Programming	3
Computer Science Info. Systems 147	Social Media and Internet Marketing	3
Computer Science Info. Systems 151 or Computer Science Info. Systems 293	Introduction to Photoshop	3
Computer Science Info. Systems 293	Introduction to Java Programming	4
Total		9-10
Total Required Plus General Education and Elective Requirements		18-20

Certificate of Achievement

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

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

- Computer Science Information Systems – Computer Programming
- Computer Science Information Systems – Cybersecurity and Networking
- Computer Science Information Systems – Information Technology Support 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.

Certificate of Achievement

A certificate of achievement leading to an entry level position which specializes in the fundamentals of Data Science. Students completing this sequence will have enough basic Data Science skills to enable them to assist managers in small, medium, and large-sized organizations.

Data Science

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

Subject & Number	Title	Units
Mathematics 160 or Biology 215 or Anthropology 215 or Psychology 215 or Sociology 215 or Economics 215	Elementary Statistics	4
Biology 215 or Anthropology 215 or Psychology 215 or Sociology 215 or Economics 215	Statistics for Life Sciences	(3)
Anthropology 215 or Psychology 215 or Sociology 215 or Economics 215	Statistics for the Behavioral Sciences	(4)
Psychology 215 or Sociology 215 or Economics 215	Statistics for the Behavioral Sciences	(4)
Sociology 215 or Economics 215	Statistics for the Behavioral Sciences	(4)
Economics 215	Statistics for Business and Economics	(3)
Geography 104	Introduction to Geographic Information Science	3
Computer Science Info. Systems 276 or Computer Science Info. Systems 180	Introduction to SQL	3
Computer Science Info. Systems 180	Fundamentals of Database Design	(3)
Computer Science Info. Systems 250	Introduction to Python Programming	4
Physical Science 120 or Computer Science Info. Systems 110	Fundamentals of Scientific Computing	4
Computer Science Info. Systems 110	Principles of Information Systems	(4)
Total		17-18

Certificate of Achievement

This Certificate of Achievement is preparing students for entry level positions programming PLCs for industrial automation. The curriculum provides the student with practical experience using the state-of-the-art software and hardware typically found in the field of industrial automation.

Programmable Logic Controllers

The Program-level Student Learning Outcomes

(PSLOs) below are outcomes that students will achieve after completing specific certificate requirements in this program. Students will:

1. Students will be able to program the Programmable Logic Controllers and Distributed Controller Systems.
2. Students will be able to implement industrial automation solutions using Programmable Logic Controllers or Distributed Controller Systems.
3. Students will be able to demonstrate and explain their solutions.

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

Subject & Number	Title	Units
Computer Science Info. Systems 112 or Computer Science Info. Systems 113	Windows Operating System	3
Computer Science Info. Systems 119	Introduction to Linux	3
Computer Science Info. Systems 121	Introduction to Computer Programming	3
Computer Science Info. Systems 250	Introduction to Cybersecurity	3
Computer Science Info. Systems 255	Introduction to Python Programming	4
	Introduction to Programmable Logic Controllers	4
	Total	17

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

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.

Information Technology Technician

This certificate prepares a student with the basic skills to enter a position in industry as an Information Technology Technician. The skills to be gained with this certificate include familiarity with the two most popular desktop computer operating systems as well as with hands-on experience with the associated hardware.

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 System	3
Computer Science Info. Systems 113	Introduction to Linux	3
Computer Science Info. Systems 120	Computer Maintenance and A+ Certification	3
Computer Science Info. Systems 125	Network + Certification	3
	Total	12

Network And Cybersecurity Technician

This certificate prepares a student with the basic skills to enter a position in industry as a Network and Cybersecurity Technician. The skills to be gained with the certificate include familiarity with the Linux operating system, computer networks, network security, and ethical hacking or computer forensics.

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

Subject & Number	Title	Units
Computer Science Info. Systems 113	Introduction to Linux	3
Computer Science Info. Systems 121	Introduction to Cybersecurity	3
Computer Science Info. Systems 125	Network + Certification	3
Computer Science Info. Systems 263	Security + Certification	3
	Total	12

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

<http://www.grossmont.edu/student-services/offices-and-services/careercenter/resources/default.aspx>

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. Analyze the sources/causes of inequality and discrimination.
3. Assess the influence of culture, history, societal norms, politics, law and intersectionality on diverse groups and likewise, diverse groups' influence on society at large.

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	Introduction to Cross-Cultural Competence	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 and Cross-Cultural Studies 119/History 119 or Cross-Cultural Studies 130/History 130 and Cross-Cultural Studies 131/History 131 or Cross-Cultural Studies 180/History 180 and Cross-Cultural Studies 181/History 181	U.S. History: Chicano/Chicana Perspectives I U.S. History: Chicano/Chicana Perspectives II U.S. History and Cultures: Native American Perspectives I U.S. History and Cultures: Native American Perspectives II U.S. History: Black Perspectives I U.S. History: Black Perspectives II	3 3 (3) (3) (3) (3)
Total		6

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

Total	6
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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.

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

Certificates of Proficiency

Certificates of Proficiency are designed for the student who needs to be prepared for effective interaction in a diverse workplace or other settings. A department-issued certificate may be awarded upon successful completion of a prescribed course of study. These certificates will not appear on a student's transcript.

Cross-Cultural Competence

This certificate accompanies the completion of Cross-Cultural Studies 115: Cross-Cultural Competence with a letter grade of "C" or higher. It prepares a student to effectively work in our 21st-century cross-cultural environments, both within organizations and in interactions with the public. It provides a framework for a life-long journey of critical reflection and improving upon best practices that move people and institutions toward practices of inclusiveness.

Program Student Learning Outcomes

Upon completion of this course, our students will be able to do the following:

- Assess the influence of intersectionality, culture, perception, language, and non-verbal messages in cross-cultural settings.
- Analyze and describe specific barriers to effective cross-cultural interaction and construct solutions.
- Demonstrate the ability to interact effectively in cross-cultural situations

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

Subject & Number	Title	Units
Cross-Cultural Studies 115	Introduction to Cross Cultural Competence	3
Total		3

Cross-Cultural Communication Skills

This certificate prepares students to work in a job requiring cross-cultural interpersonal communication skills. Cultural proficiency through these courses provides students with a worldview and ways to effectively recognize, respond to, and plan for issues that arise in diverse environments. Completion of these courses prepares a student to integrate cross-cultural knowledge and communication skills when interacting orally or in writing with people of diverse backgrounds and/or identities.

Program Student Learning Outcomes

At the end of these three classes, students will be able to:
Integrate cross-cultural knowledge and communication skills when interacting orally or in writing with people of diverse backgrounds and/or identities.

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

Subject & Number	Title	Units
Cross-Cultural Studies 115 and Communication 144 or Cross-Cultural Studies 144 or Communication 124 and English 120	Introduction to Cross Cultural Competence Communication Studies: Race and Ethnicity Communication Studies: Race and Ethnicity Intercultural Communication College Composition and Reading	3 3 (3) (3) 3
Total		9

Cross-Cultural Skills, with Conversational-Level Second Language

This certificate prepares students to work in a job requiring cross-cultural interpersonal communication and multi-lingual skills. Cultural proficiency through these courses provides students with a worldview and ways to effectively recognize, respond to, and plan for issues that arise in diverse environments. Completion of these courses prepares a student to integrate cross-cultural knowledge and communication skills when conversing in English or another language with people of diverse backgrounds and/or identities.

Program Student Learning Outcomes

At the end of these three classes, students will be able to:
Integrate cross-cultural knowledge and communication skills when interacting orally or in writing with people of diverse backgrounds and/or identities.

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

Subject & Number	Title	Units
Cross-Cultural Studies 115 and Communication 144	Introduction to Cross Cultural Competence	3
or		
Cross-Cultural Studies 144	Communication Studies: Race and Ethnicity	(3)
or		
Communication 124	Intercultural Communication	(3)
and		
ONE (1) of the following (3-5 units):		
Arabic 251	Conversational Arabic II	3
French 251	Conversational French II	3
German 251	Conversational German II	3
Japanese 251	Conversational Japanese II	3
Russian 251	Conversational Russian II	3
Spanish 251	Conversational Spanish II	3
American Sign Language 221	American Sign Language IV	4
and		
American Sign Language 222	Conversation Lab II	1
	Total	9-11

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.

Career Opportunities

<http://www.grossmont.edu/student-services/offices-and-services/careercenter/resources/default.aspx>

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
Nutrition 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 Achievement

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

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

Banquet Cook Certificate of Achievement

The Banquet Cook certificate prepares the student who has no exposure to the field and those with limited experience to immediately enter any Food Service banquet operation in a banquet cook entry-level position with greater opportunity for advancement. The Food Service industry offers unlimited career opportunities and valuable experience. The foundation courses that can be completed in one or two semesters may lead to a Certificate of Achievement in Culinary Arts or with general education courses, an Associate of Science Degree in Culinary Arts.

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

Certificate of Achievement

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

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

Pastry Cook Certificate of Achievement

The Pastry Cook certificate prepares the student who has no exposure to the field and those with limited experience to immediately enter any food service operation (bakery, pastry department) in a pastry cook entry-level position with greater opportunity for advancement. The food service industry offers unlimited career opportunities and valuable experience in bakery and pastry department settings. The foundation courses that can be completed in one or two semesters may lead to a Certificate of Achievement in Culinary Arts or with general education courses, an Associate of Science Degree in Culinary Arts.

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

Certificate of Achievement

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

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

Prep Cook Certificate of Achievement

The Prep Cook certificate prepares the student who has no exposure to the field and those with limited experience to immediately enter any food service operation in a prep cook entry-level position with greater opportunity for advancement. The food service industry offers unlimited career opportunities and valuable experience. The foundation courses that can be completed in one or two semesters may lead to a Certificate of Achievement in Culinary Arts or with general education courses, an Associate of Science Degree in Culinary Arts.

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

Certificate of Achievement

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

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

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

<http://www.grossmont.edu/student-services/offices-and-services/careercenter/resources/default.aspx>

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	Hip Hop I	1.5
Dance 110	Dance History	3
or		
Dance 120	Dance Appreciation	(3)
Dance 118A	Pilates I	1.5
Dance 204	Dance Improvisation	1.5
Dance 205	Choreography	2
	Total	18.5

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	2
Dance 203	Dance Theatre Performance III	3
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	2-5.5

Select TWO (2) of the following courses:

Subject & Number	Title	Units
Dance 068	Introduction to Dance	1.5
Dance 071 A or B	Studio Workshop in Tap Dance I or II	1
Dance 072 A or B	Studio Workshop in Modern Dance I or II	1
Dance 074 A or B	Studio Workshop in Jazz Dance I or II	1
Dance 078 A or B	Studio Workshop in Ballet I or II	1
Dance 081 A or B or C or D	Tap I or II or III or IV	1.5
Dance 082 A or B	Social and Ballroom Dance I or II	1.5
Dance 083 A or B	Latin American Dance I or II	1.5
Dance 094 B or C or D	Hip Hop II or III or IV	1.5
Dance 095	Musical Theatre Dance	1.5
Dance 099 A or B or C	Studio Workshop in Pointe I or II or III	1
Dance 116	Stretch and Alignment	1.5
Dance 118 B or C or D	Pilates II or III or IV	1.5
Dance 200	Touring Dance Ensemble	2
Dance 200 A or B	Touring Dance Ensemble I or II	2
Dance 206	Choreography	2
	Total	2-4
	Total Required	26-31.5
	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

<http://www.grossmont.edu/student-services/offices-and-services/careercenter/resources/default.aspx>

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):

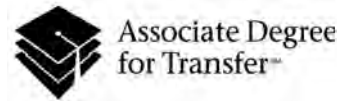
Subject & Number	Title	Units
Biology 120	Principles of Biology	4
Biology 140	Human Anatomy	5
Biology 144	Human Anatomy and Physiology I	4
Business 115	Human Relations in Business	3
Child Development 141	Working with Children with Special Needs	3
Communication 120	Interpersonal Communication	3
or		
Communication 122	Public Speaking	(3)

Exercise Science 290	Teaching Techniques and Methods in Exercise Science	1.5
Nutrition 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	32.5-37
	Plus General Education and Elective Requirements	

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.



ASSOCIATE IN ARTS IN ECONOMICS FOR TRANSFER (A.A.-T)

The Associate in Arts in Economics for Transfer (A.A.-T) degree is designed to facilitate transfer to a California State University in keeping with SB1440. A total of 19-21 units are required to fulfill the major portion of this degree. This degree reflects the Transfer Model Curriculum (TMC) supported by the statewide Academic Senate. Students must also complete the California State University (CSU) General Education Breadth requirements or the Intersegmental General Education Transfer Curriculum (IGETC) for CSU requirements (see the "General Education Requirements and Transfer Information" section of the catalog). A student may apply for this degree in conjunction with an Associate in Arts in Economics degree provided the courses taken meet the requirements of both degrees. Students should speak with a counselor to verify that the requirements for either or both degrees have been met. In addition, students planning to transfer to SDSU should consult with a counselor.

The following requirements must be met to be awarded an Associate in Arts in Economics for Transfer (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.

The Associate in Arts in Economics Transfer Degree (A.A.-T) will provide students with the lower division core courses required for bachelorette-level study in the discipline. A bachelor's degree in economics offers graduates a variety of career paths in such fields as management, finance, government, and general business. It also serves as an excellent foundation for post-graduate training in fields such as law, education, and health care. Furthermore, the study of economics facilitates the development of higher-level analytical reasoning skills applicable to a variety of educational and occupational endeavors.

The Program-level Student Learning Outcomes (PSLOs) below are outcomes that students will achieve after completing specific degree/certificate requirements in this program. Students will:

1. Employ their discipline knowledge and skills to the community; for example present themselves and interact with others in a professional manner, communicate economic concepts orally, convey economic ideas in a variety of written forms.
2. Demonstrate knowledge of micro- and macroeconomic theories.

Associate Degree Major Requirements

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

Required Core

Subject & Number	Title	Units
Economics 120	Principles of Macroeconomics	3
Economics 121	Principles of Microeconomics	3
Economics 215	Statistics for Business & Economics (Math 160 will be accepted)	3
Mathematics 178	Calculus for Business, Social, & Behavioral Sciences	4
or		
Mathematics 180	Analytic Geometry & Calculus I	(5)
	Total	13-14

List A: Select ONE (1) course from the following:

Business 120	Financial Accounting	4
Business 121	Managerial Accounting	4
Business 128	Business Communication	3
Computer Science		
Information Systems 110	Principles of Information Systems	4
	Total	3-4

List B: Select ONE (1) course from the following:

Subject & Number	Title	Units
Any course not used in List A or:		
Economics 110	Economic Issues & Policies	3
Economics 261	Economic Relations of the Asian Pacific	3
	Total	3
	Total for the major	19-21
	Units for CSU GE Breadth or IGETC-CSU GE	37-39
	Total Units Required for the Degree	60

Complete transferable units as needed to reach 60.

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

<http://www.grossmont.edu/student-services/offices-and-services/careercenter/resources/default.aspx>

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 110	Economic Issues and Policies	3
Economics 120	Principles of Macroeconomics	3
Economics 121	Principles of Microeconomics	3
Economics 215	Statistics for Business & Economics	3
or		
Mathematics 160	Elementary Statistics	(4)
Business 120	Financial Accounting	4
Computer Science	Principles of Information Systems	4
Information Systems 110	Systems	4
Political Science 121	Introduction to U.S. Government and Politics	3
Total		23-24

Select ONE (1) of the following courses:

Subject & Number	Title	Units
Political Science 130	Introduction to International 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		30-32
Plus General Education and Elective Requirements		

*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



Associate Degree
for Transfer™

ASSOCIATE IN ARTS IN ENGLISH FOR TRANSFER DEGREE (A.A.-T)

The Associate in Arts in English 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 units are required to fulfill the major portion of this degree. Students must also complete the California State University (CSU) General Education Breadth requirements or the Intersegmental General Education Transfer Curriculum (IGETC) for CSU requirements (see the "General Education Requirements and Transfer Information" section of the catalog). Students planning to transfer to SDSU should consult with a counselor.

The following requirements must be met to be awarded an Associate in Arts in English 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.

The discipline of English assists students in appreciating literature and in developing skills in varied forms of communication. The ability to understand and use English effectively is necessary for success in diverse fields such as creative and technical writing, journalism and telecommunications, advertising and marketing, teaching, editing, public relations, law, politics, medicine, and business.

The Program-level Student Learning Outcomes (PSLOs)

below are outcomes that students will achieve after completing the specific degree requirements in this program. Students will:

1. Read a variety of genres and texts critically.
2. Write persuasively in a variety of genres and contexts.
3. Investigate ideas effectively through sound research and writing techniques.
4. Demonstrate an understanding of diverse cultural perspectives.

Associate Degree Major Requirements

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

Required Core

Subject & Number	Title	Units
English 122	Introduction to Literature	3
English 124	Advanced Composition: Critical Reasoning & Writing	3
Total		6

List A (6 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
Total		6

List B (3 units)

Any course from List A not already used

English 126	Creative Writing	3
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List C (3 units)

Any course from List A or List B not already used OR any of the following courses:

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	Acorn Review: Editing and Production I	3
English 146	Acorn Review: Editing and Production II	3
English 147	Acorn Review: Editing and Production III	3
English 148	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 178	Novel Writing IV	3
English 201	Images of Women in Literature	3
English 215	Mythology	3
English 218	Shakespeare	3
English 225	The Bible as Literature: Narratives of the Hebrew People	3
English 226	The Bible as Literature: Old Testament History and Writings of the Prophets	3
English 227	The Bible as Literature: The Literary Forms of the Old Testament	3
English 228	The Bible as Literature: The Literary Forms of the New Testament	3
English 236	Chicano/ Chicana Literature	3
Business 128	Business Communication	3
Communication 135	Oral Interpretation of Literature	3
Humanities 110	Principles of the Humanities	3
Theatre 110	Introduction to the Theatre	3
Arabic 120	Arabic I	5
Arabic 121	Arabic II	5
Arabic 220	Arabic III	5
Arabic 221	Arabic IV	5
Chinese 120	Chinese I	5
Chinese 121	Chinese II	5
Chinese 220	Chinese III	5
Chinese 221	Chinese IV	5
French 120	French I	5
French 121	French II	5
French 220	French III	5
French 221	French IV	5
German 120	German I	5
German 121	German II	5
German 220	German III	5
German 221	German IV	5
Italian 120	Italian I	5
Italian 121	Italian II	5
Italian 220	Italian III	5
Italian 221	Italian IV	5
Japanese 120	Japanese I	5
Japanese 121	Japanese II	5
Japanese 220	Japanese III	5
Japanese 221	Japanese IV	5
Russian 120	Russian I	5
Russian 121	Russian II	5
Russian 220	Russian III	5
Russian 221	Russian IV	5
Spanish 120	Spanish I	5
Spanish 121	Spanish II	5

Spanish 220	Spanish III	5
Spanish 221	Spanish IV	5
	Total	3
	Units for the major	18
	Units for CSU GE or IGETC-CSU GE	37-39
	Total units required for the degree	60

Complete transferable units as needed to reach 60.

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

<http://www.grossmont.edu/student-services/offices-and-services/careercenter/resources/default.aspx>

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. Read a variety of genres and texts critically.
2. Write persuasively in a variety of genres and contexts.
3. Investigate ideas effectively through sound research and writing techniques.
4. Demonstrate an understanding of diverse cultural perspectives.

Associate Degree Major Requirements

Core Curriculum

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
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		24
Plus General Education and Elective Requirements		

Recommended Electives:

Students planning to transfer to four-year institutions to complete a bachelor's degree in English are STRONGLY urged to take the following courses, depending on the requirements at those schools.

TWO (2) sequential semesters of a single foreign language	Units
Total	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 178	Novel Writing IV	3
Total		6
Total Required		30
Plus General Education and Elective Requirements		

Certificate of Achievement

Any student who chooses to complete only those courses required for the above major (i.e., 30 units) qualifies for a Certificate of Achievement in English – Creative Writing. An official request must be filed with the Admissions and Records Office prior to the deadline as stated in the Academic Calendar.

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 101. For more details, contact the Exercise Science Department.

Career Opportunities

<http://www.grossmont.edu/student-services/offices-and-services/careercenter/resources/default.aspx>

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 290	Teaching Techniques and Methods in Exercise Science	1.5
Biology 140	Human Anatomy	5
Chemistry 115	Fundamentals of Chemistry	4
or		
Chemistry 120	Preparation for General Chemistry	(4)
Communication 122	Public Speaking	3
Nutrition 158	Nutrition for Fitness and Sports	3
or		
Nutrition 255	Science of Nutrition	(3)
NOTE: (NUTR 255 is required for the Kinesiology major at SDSU)		
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	4
Sociology 215	Statistics for the Behavioral Sciences	4
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 008A or B or C	Beginning or Intermediate or Advanced Indoor Cycling	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 026	Stress Reduction Through Movement and Mindfulness	1
Exercise Science 027A or B or C	Beginning or Intermediate or Advanced T'ai Chi Ch'uan	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 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	34-35.5
	Plus General Education and Elective Requirements	

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.

Certificate of Proficiency

Certificates of Proficiency are designed for the student who needs to be prepared to enter an entry-level job. A department-issued certificate may be awarded upon successful completion of a prescribed course of study. This certificate will **not** appear on a student's transcript. The Exercise Science and Wellness Department offers a program in Fitness Specialist Certification which is designed to prepare students to take nationally recognized certification examinations offered throughout the fitness industry. For more details, contact the ES department chair at (619) 644-7402.

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	2.5
Exercise Science 294	Exercise Program Design and Special Populations	3
Exercise Science 296	Internship Seminar for Fitness Specialists	.5
Exercise Science 297	Internship for Fitness Specialists	1
Nutrition 158	Nutrition for Fitness and Sport	3
	Total	19



Associate Degree
for Transfer™

ASSOCIATE IN ARTS IN KINESIOLOGY FOR TRANSFER (A.A.-T)

The Associate in Arts in Kinesiology 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 22-25.5 units are required to fulfill the major portion of this degree. Students must also complete the California State University (CSU) General Education Breadth requirements or the Intersegmental General Education Transfer Curriculum (IGETC) for CSU requirements (see the "General Education Requirements and Transfer Information" section of the catalog). Students planning to transfer to SDSU should consult with a counselor.

The following requirements must be met to be awarded an Associate in Arts in Kinesiology for Transfer (A.A.-T) degree:

- Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
 - The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirement.
 - A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
- Obtainment of a minimum grade point average of 2.0.

The Department of Exercise Science and Wellness offers a solid academic foundation for further study in the fields of Exercise Science, Kinesiology and/or Physical Education. The primary emphasis of the Exercise Science and Wellness major program is to prepare students for successful transfer to baccalaureate (four-year) institutions as well as for entry-level jobs within the fitness industry. The course package for majors is modeled on the preparation for major at the California State University Institutions and allows for an emphasis either in Fitness, Nutrition and Health. The package may also satisfy many requirements for most other

California State University institutions as well, but students should check the catalog of the school being considered for its specific requirements.

Program-level Student Learning Outcomes (PSLOs)

below are outcomes that students will achieve after completing the specific degree requirements in this program. Students will:

- Demonstrate knowledge, skills and appreciation of Exercise Science principles.
- Identify the basic principles for maintaining an active and healthy lifestyle.

Associate Degree in Kinesiology for Transfer Major Requirements

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

Required Core

Subject & Number	Title	Units
Exercise Science 250	Introduction to Kinesiology	3
Biology 140	Human Anatomy	5
Biology 141 & 141L	Human Physiology & Human Physiology Lab	4
	Total	12

Select a maximum of ONE (1) course from any THREE (3) of the following areas for a minimum of THREE (3) units.

Area 1: Aquatics

Exercise Science 043A or B or C	Beginning or Intermediate or Advanced Swimming	1
Exercise Science 044A or B	Beginning or Intermediate Lap Swimming for Health and Fitness	1

Area 2: Combatives

Exercise Science 185A or B or C	Beginning or Intermediate or Advanced Fencing	1.5
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Area 3: Dance

Dance 082A or B	Social and Ballroom Dance I or II	1.5
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Area 4: Fitness

Exercise Science 005A or B	Beginning or Intermediate Aerobic Fitness and Weight Training	1.5
Exercise Science 006A or B	Beginning or Intermediate Total Body Fitness	1
Exercise Science 009A or B	Beginning or Intermediate Aerobic Dance Exercise	1
Exercise Science 023A or B	Beginning or Intermediate Weight Training	1

Area 5: Individual Sports

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 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

Area 6: Team Sports

Exercise Science 155A or B or C	Beginning or Intermediate or Advanced Basketball	1
Exercise Science 170A or B or C	Beginning or Intermediate or Advanced Soccer	1
Exercise Science 171A or B or C	Beginning or Intermediate or Advanced Softball	1
Exercise Science 172A or B or C	Beginning or Intermediate or Advanced Baseball	1

Exercise Science 175A or B or C	Beginning or Intermediate or Advanced Volleyball	1
	Total	3-4.5

List A

Select TWO (2) of the following courses:

Math 160 or Anthropology 215 or Psychology 215 or Sociology 215	Elementary Statistics Statistics for the Behavioral Sciences Statistics for the Behavioral Sciences Statistics for the Behavioral Sciences	4 (4) (4) (4)
Biology 118 Chemistry 102 or Chemistry 141	Introduction to Human Biology Introduction to General, Organic and Biological Chemistry General Chemistry I	3 5 5
	Total	7-9
	Units for the major	22-25.5
	Units for CSU GE or IGETC-CSU GE	37-39
	Total units required for the degree	60

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 World Languages.

Career Opportunities

<http://www.grossmont.edu/student-services/offices-and-services/careercenter/resources/default.aspx>

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:

- Utilize more complex vocabulary and grammatical structures to communicate and discuss hypothetical situations dealing with nature, city, life, health, and well-being, professions and occupations, the arts, current events, and politics.
- Utilize more complex vocabulary and grammatical structures to write about situations dealing with nature, city, life, health and well-being, professions, and occupations, the arts, current events, and politics.
- Use language and vocabulary skills developed in class to read, analyze, and interpret authentic texts.

Associate Degree Major Requirements

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 152	The French Speaking World: A Cross-Cultural Perspective	3
or		
Cross Cultural Studies 152	The French Speaking World: A Cross-Cultural Perspective (3)	3
French 220	French III	5
French 221	French IV	5
French 250	Conversational French I	3
French 251	Conversational French 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 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:

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

Humanities

ASL 120, 121, 130, 131, 140, 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 144, 236, 238
ENGL 122, 201, 215, 217, 218, 219, 221, 222, 225, 226, 227, 228, 231, 232, 236, 237, 238
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, 148
HUM 110, 120, 125, 130, 135, 140, 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, 160
 RELG 120, 130, 140, 150, 170
 RUSS 120, 121, 220, 221, 250, 251
 SPAN 120, 121, 122, 123, 141, 145, 220, 221, 250, 251

Fine Arts

ART 100, 104, 106, 119, 120, 121, 124, 125, 126, 127, 129,
 130, 131, 132, 140, 141, 142, 143, 145, 146, 147, 171, 172,
 189, 210, 221, 222
 CCS 126, 127, 134
 DANC 110, 120
 ENGL 126
 MCOM 111
 MUS 110, 111, 115, 116, 117, 123, 189
 PHOT 150, 151, 154
 THTR 101, 110, 130, 131, 143, 144, 205

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, 144, 145,
 150, 152, 230, 240
 CHEM 102, 110, 113, 115, 116, 117, 120, 141, 142, 231, 232,
 241, 241L, 242, 242L
 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, 240, 250, 251, 255, 293, 294, 296, 297
 ECON 215
 GEOG 104
 MATH 120, 125, 126, 150, 160, 170, 175, 176, 177, 178, 180,
 245, 280, 281, 284, 285
 PHIL 125, 130
 PSC 120
 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, 116, 118, 119, 128, 130, 131, 132, 133, 135, 143,
 144, 145, 154, 155, 180, 181
 CD 115, 145, 153
 COMM 144
 COUN 120
 ECON 110, 120, 121, 261
 FS 115
 GEOG 100, 101, 106, 130, 170
 HESC 110
 HIST 100, 101, 103, 105, 106, 108, 109, 113, 114, 115, 118,
 119, 122, 123, 124, 126, 130, 131, 136, 137, 148, 154, 155,
 180, 181
 MCOM 110, 210
 POSC 120, 121, 124, 130, 135, 140, 150, 160
 SOC 114, 150

Behavioral Sciences

ANTH 120, 122, 127, 140
 CD 115, 125, 153
 COMM 124, 128
 CCS 115, 125
 FS 115, 120
 HED 120, 201
 NUTR 155, 158, 159
 PSY 120, 125, 132, 134, 140, 150, 170, 180, 211, 220
 SOC 120, 125, 130, 138, 140

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
 COMM 126
 ES 250, 255
 HED 101, 105, 120, 201
 NUTR 155, 158, 159, 205, 255

Activity: DANC 068, 071A, 071B, 072A, 072B, 074A, 074B, 080A, 080B, 080C, 080D, 081A, 081B, 081C, 081D, 082A, 082B, 083A, 083B, 084A, 084B, 084C, 084D, 088A, 088B, 088C, 088D, 094A, 094B, 094C, 094D, 099A, 099B, 099C, 116, 118A, 118B, 118C, 118D

Activity: ES 001, 002, 003, 004A, 004B, 004C, 005A, 005B, 005C, 006A, 006B, 006C, 007A, 007B, 007C, 008A, 008B, 008C, 009A, 009B, 009C, 017A, 017B, 017C, 021A, 021B, 021C, 023A, 023B, 023C, 024A, 024B, 024C, 026, 027A, 027B, 027C, 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, 125A, 125B, 125C, 130A, 130B, 130C, 155A, 155B, 155C, 170A, 170B, 170C, 171A, 171B, 171C, 172A, 172B, 172C, 175A, 175B, 175C, 176A, 176B, 176C, 180, 185A, 185B, 185C

Self-Development

BIO 112
 BUS 195
 CCS 115
 CD 125, 153
 CHEM 110
 COMM 128
 COUN 104, 110, 120, 130
 ENGL 219
 FS 110, 120, 129
 HESC 110
 LIR 110
 PSY 132, 134, 140, 150, 180, 220
 SOC 125



ASSOCIATE IN ARTS IN GEOGRAPHY FOR TRANSFER (A.A.-T)

The Associate in Arts in Geography 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 19 units are required to fulfill the major portion of this degree. Students must also complete the California State University (CSU) General Education Breadth requirements or the Intersegmental General Education Transfer Curriculum (IGETC) 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 Geography 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.

Geography is the study of spatial aspects of the physical environment, human activities and landscapes, and the nature of their interactions. Geographers draw upon theories from both the physical and social sciences. As physical scientists, they study the processes and resulting features of the earth's surface, such as vegetation, climate, soils, landforms, and resources. As social scientists, geographers explore such topics as the arrangement of societies on the earth's surface, land use patterns, urbanization, resources and energy usage, and environmental conservation. Therefore, geography includes a wide range and variety of academic disciplines in both the physical and social sciences. It is truly an integrating discipline.

The Earth Sciences Department strives to impart the following **Program-level Student Learning Outcomes (PSLOs)** through the successful completion of the specific degree requirements in this program. Students will:

1. Apply the scientific method
2. Demonstrate spatial literacy
3. Analyze special information and patterns
4. Evaluate relationships between humans and the environment
5. Employ geoscience technology for spatial data management

Associate Degree Major Requirements

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

Required Core

Subject & Number	Title	Units
Geography 120	Elements of Physical Geography	3
Geography 121	Physical Geography Laboratory	1
Geography 130	Human and Cultural Geography	3
	Total	7

List A:

Geography 104	Introduction to Geographic Information Science	3
Geography 170	The Geography of California	3
	Total	6

List B

Geography 140	Introduction to Meteorology	3
Geography 150	Field Study of the Natural History of the Greater San Diego Region	3
	Total	6
	Units for the major	19
	Units for CSU GE or IGETC-CSU GE	37-39
	Total units required for the degree	60

Complete transferable units as needed to reach 60.



Associate Degree
for Transfer™

ASSOCIATE IN ARTS IN GLOBAL STUDIES FOR TRANSFER DEGREE

The Associate in Arts in Global Studies for Transfer (A.A.-T) degree will fulfill the mission of both Grossmont College and the community college system by providing a specific group of baccalaureate-level courses that will meet lower division degree requirements in the discipline and allow for seamless transfer to the California State University system to major in Global Studies or a related major.

The Program-level Student Learning Outcomes (PSLOs)

below are outcomes that students will achieve after completing specific degree/certificate requirements in this program. Students will:

1. Recognize the interdependence and interconnectedness of elements of the physical, social, political, and cultural environments that comprise the human landscape.
2. Recognize and analyze historical and emerging trends in globalization along with their global, national, regional, and local consequences.
3. Identify and explain recurring, emerging, and contemporary global issues and the significance of their geographical distribution.
4. Utilize multi-disciplinary knowledge to develop perspectives that promote global citizenry.

The Associate in Arts in Global Studies for Transfer (A.A.-T) Degree is designed to facilitate transfer to a California State University in keeping with SB 1440. A total of 21-25 units are required to fulfill the major portion of this degree. Students must also complete the California State University (CSU) General Education Breadth requirements or the Intersegmental General Education Transfer Curriculum (IGETC) for CSU requirements (see the "General Education Requirements and Transfer Information" section of the catalog). Students should speak with a counselor to verify that the requirements for this degree have been met. In addition, students planning to transfer to SDSU should consult with a counselor.

Global Studies is a multi- and interdisciplinary program designed to increase knowledge and understanding of the processes of globalization and their impacts on societies, cultures, and environments around the world. The Global Studies program provides the student with knowledge of critical issues that affect their lives and community, as well as the affairs of other cultures, societies, and nations. An understanding of the world's social, political, economic, and natural systems and their increasing interdependence, along with an appreciation of the diversity of human culture, will supply the student with a strong background for working in a global economy, for living in a multicultural society, and for making intelligent decisions as global citizens.

The following requirements must be met to be awarded an Associate in Arts in Global Studies for Transfer (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.

Associate Degree in Global Studies for Transfer Major Requirements

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

Required Core

Subject & Number	Title	Units
Geography 100	Introduction to Global Studies	3
Geography 101	Global Issues	3
	Total	6

List A: Select FIVE (5) courses from at least FOUR (4) of the following areas (15 units):

Subject & Number	Title	Units
Area 1: Culture and Society		
Anthropology 120	Cultural Anthropology	3
History 101	Modern World History	3
Area 2: Geography		
Geography 106	World Regional Geography	3
Geography 120	Physical Geography: Earth Systems	3
Geography 130	Human Geography: The Cultural Landscape	3
Area 3: Economics		
Economics 120	Principles of Macroeconomics	3
Economics 121	Principles of Microeconomics	3
Area 4: Politics		
Political Science 124	Introduction to Comparative Government and Politics	3
Political Science 130	Introduction to International Relations	3
Area 5: Humanities		
History 100	Early World History	3
Spanish 220	Spanish III	5
Spanish 221	Spanish IV	5
	Total	15
	Units for the major	21-25
	Units for CSU GE or IGETC-CSU	37-39
	Total units required for the degree	60

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

<http://www.grossmont.edu/student-services/offices-and-services/careercenter/resources/default.aspx>

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 Three semesters of a foreign language or high school equivalency	4 15

Certificates 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.

Educators Global Awareness

This Educators Global Awareness Certificate accompanies the successful completion of the courses listed below. In tandem with the two state required courses, the additional "Globalization" class provides an educator with the background and skills needed to successfully address global issues in today's rapidly changing world; additionally it prepares the educator to incorporate the increasingly important "current events" type of curriculum or course. This certificate addresses the increased demand for a culturally and globally competent public and education system.

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

Subject & Number	Title	Units
Geography 106	World Regional Geography	3
Geology 104 and Geography 100 or Geography 101	Earth Science Global Studies	3 3 3
	Global Issues	(3)
	Total	9

Geographic Information Systems Literacy

The GIS Literacy certificate would provide an entry-level employment opportunity for the completer that finishes the course below. The skills covered in this certificate are aimed at a student preparing for a broad range of careers, including government or private sector work, that can be enhanced with geospatial technology skills learned in this course. Students will gain familiarity using with the latest industry standard GIS software that will enable them to analyze, interpret and manipulate spatial information for problem solving applied to real world situations. Many entry level positions are available for someone who has skills in geospatial technologies.

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

Subject & Number	Title	Units
Geography 104	Intro to Geographic Information Systems – GIS	3
	Total	3

Global Awareness and Appreciation

This certificate accompanies the successful completion of the courses listed below. It certifies that the student has successfully completed background courses providing a global cultural background as well as current globalizing trends, processes and issues. It prepares a student to effectively work in our 21st century global environment. This certificate addresses the increased demand for a globally competent public and workforce.

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

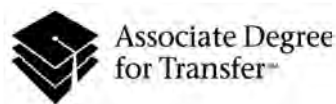
Subject & Number	Title	Units
Geography 130 and Geography 100 or Geography 101	Human Geography: Cultural Landscapes Global Studies	3 3
	Global Issues	(3)
	Total	6

Administration of Justice Geospatial Literacy Certificate

The AOJ-Geospatial Literacy certificate provides the skills and knowledge valuable to an entry-level employment opportunity for the student that finishes the courses below. The skills in this certificate are aimed at a student preparing for a career in the administration of justice, including government or private-sector work. These careers can be enhanced with computer mapping skills. Students will gain familiarity using the latest cutting edge technology and GIS software that will enable them to analyze, interpret and manipulate crime data for problem solving applied to real world situations. In the AOJ field, examples include the databases that are used by ARJIS (the Automated Regional Justice Information System) and forensic geospatial analysis used within investigations. Entry level positions are available for someone who has skills in geospatial technologies coupled with an AOJ background.

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

Subject & Number	Title	Units
Adm. of Justice 110	Intro to Administration of Justice	3
Geography 104	Intro to Geographic Information Systems – GIS	3
	Total	6



ASSOCIATE IN SCIENCE IN GEOLOGY FOR TRANSFER (A.S.-T)

The Associate in Science in Geology for Transfer (A.S.-T) degree is designed to facilitate transfer to a California State University in keeping with SB 1440. This degree reflects the Transfer Model Curriculum (TMC) supported by the Statewide Academic Senate. A total of 27 units are required to fulfill the major portion of this degree. Students must also complete the California State University (CSU) General Education Breadth requirements or the Intersegmental General Education Transfer Curriculum (IGETC) 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 the Associate in Science in Geology for Transfer (A.S.-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.

Geology is the scientific study of the planet earth. Geologists study the origin and evolution of the earth and various life forms, the composition of the earth, its structure, and the many processes that modify the earth's crust. Geology is an interdisciplinary science with many applied aspects including: the study of natural resources such as water, petroleum, and minerals; the mitigation of earth's hazards such as earthquakes, landslides, and volcanoes; and land use planning. Students who are curious about our planet and its environment, and want to meet the challenges presented by the interaction of humans with the earth should consider geology as a major.

The Earth Sciences Department strives to impart the following **Program-level Student Learning Outcomes (PSLOs)** through the successful completion of the specific degree requirements in this program. Students will:

1. Recognize and explain the role of fundamentals geologic principles, such as plate tectonic theory and deep time, in the interpretation of observed geologic phenomena.
2. Research, evaluate, and cite scientific information in order to formulate coherent summaries of earth processes.
3. Define the scientific method and apply it to observed geologic phenomena.
4. Interpret geologic processes using underlying chemical properties and physical laws. Measure, manipulate, and interpret scientific data.

Associate Degree Major Requirements

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

Subject & Number	Title	Units
Geology 110	Planet Earth	3
Geology 111	Planet Earth Laboratory	1
Geology 121	Earth History	4
Chemistry 141	General Chemistry I	5
Chemistry 142	General Chemistry II	5
Mathematics 180	Analytic Geometry & Calculus I	5
Mathematics 280	Analytic Geometry & Calculus II	4
Units for the major		27
Units for CSU GE or IGETC-CSU GE		37-39
Total units required for the degree		60

Complete transferable units as needed to reach 60.

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

<http://www.grossmont.edu/student-services/offices-and-services/careercenter/resources/default.aspx>

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 & 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 & Calculus II	4
Physics 140	Mechanics of Solids	4
Physics 240	Electricity, Magnetism & 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	
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

<http://www.grossmont.edu/student-services/offices-and-services/careercenter/resources/default.aspx>

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.

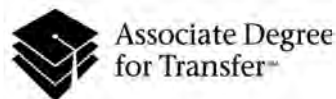
Subject & Number	Title	Units
German 120	German I	5
German 121	German II	5
German 220	German III	5
German 221	German IV	5
German 250	Conversational German I	3
German 251	Conversational German II	3
History 106	Modern Western Civilization	3
or		

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 in Arts in History 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.

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 Major Degree Requirements

Required Core

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

List A:

Select TWO (2) of the following courses:

History 100	Early World History	3
or		
History 105	Early Western Civilization	(3)
and		
History 101	Modern World History	3
or		
History 106	Modern Western Civilization	(3)
	Total	6

List B:

Select ONE (1) course from GROUP B1 and ONE (1) course from GROUP B2 for a total of 6-8 units:

Group B1 includes all of the following options:

A foreign language course which is articulated as fulfilling CSU GE Area C2 **OR** a course not already used in List A **OR** a diversity course listed below:

Subject & 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 130	U.S. History and Cultures: Native American Perspectives I	3
History 131	U.S. History and Cultures: Native American Perspectives II	3
History 137	History of East Asia	3
History 148	Emergence of the Modern Middle East	3
History 154	Early History of Women in World Civilization	3
History 155	Modern History of Women in World Civilization	3

History 180	U.S. History: Black Perspectives I	3
History 181	U.S. History: Black Perspectives II	3

Group B2

Select ONE (1) course not already used in the Required Core or List A.

Subject & Number	Title	Units
History 103	Twentieth Century World History	3
History 105	Early Western Civilization	3
History 106	Modern Western Civilization	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 130	U.S. History and Cultures: Native American Perspectives I	3
History 131	U.S. History and Cultures: Native American Perspectives II	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 154	Early History of Women in World Civilization	3
History 155	Modern History of Women in World Civilization	3
History 180	U.S. History: Black Perspectives I	3
History 181	U.S. History: Black Perspectives II	3
	Total	3
	Units for the major	18-20
	Units for CSU GE or IGETC-CSU GE	37-39
	Total units required for the degree	60

Complete transferable units as needed to reach 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

<http://www.grossmont.edu/student-services/offices-and-services/careercenter/resources/default.aspx>

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 128	Business Communication	3
Business 158	Introduction to Hospitality and Tourism Management	3
Business 160	Hospitality Managerial Accounting and Controls	3
Business 166	Hospitality & Tourism Law	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	34
	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

<http://www.grossmont.edu/student-services/offices-and-services/careercenter/resources/default.aspx>

Broker
 Customs Broker
 Freight Forwarder
 Import-Export Agent
 Import-Export Specialist
 International Finance & Accounting
 International Law
 International Planning & Management
 International Purchasing & Management

The Program-level Student Learning Outcomes

(PSLOs) below are outcomes that students will achieve after completing specific degree/certificate requirements in this program. Students will:

1. 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 and Culture	3
Humanities 130	East Asian Humanities	3
Spanish 141	Spanish & Latin American Culture	3
or		
ONE (1) course in any foreign language		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 World Languages.

Career Opportunities

<http://www.grossmont.edu/student-services/offices-and-services/careercenter/resources/default.aspx>

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
or		
Japanese 149	Japanese Culture and Civilization	(3)
History 137	History of East Asia	3
Total Required		29
Plus General Education and Elective Requirements		



Associate Degree
for Transfer™

ASSOCIATE IN ARTS IN JOURNALISM FOR TRANSFER (A.A.-T)

The Associate in Arts in Journalism 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 18-19 units are required to fulfill the major portion of this degree. Students must also complete the California State University (CSU) General Education Breadth requirements or the Intersegmental General Education Transfer Curriculum (IGETC) 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 Journalism 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.

The Associate in Arts in Journalism for Transfer Degree (A.A.-T) will provide students with the lower division core courses required for bachelor-level study in the discipline. A degree in journalism offers graduates a variety of career paths in such fields as print and TV/Radio broadcast news, social media editors, news management, copy editing, internet news, digital communications, public relations. It also serves as an excellent foundation for in fields such as politics, education, management, and information production and dissemination. The program is designed to meet lower division requirements for transfer.

The Associate in Arts in Journalism for Transfer (A.A.-T) degree will fulfill the mission of both Grossmont College and the community college system by providing a specific group of baccalaureate-level courses that will meet lower division degree requirements in the discipline and allow for seamless transfer to the California State University and University of California systems.

The Program-level Student Learning Outcomes

(PSLOs) below are outcomes that students will achieve after completing specific degree/certificate requirements in this program. Students will:

1. Employ their discipline knowledge and skill sets: i.e. Define and execute newsgathering strategies; Develop interview questions and conduct interviews; Write news leads; Write simple and complex/long form news articles using the inverted pyramid and other media formats; Write articles under deadline; Apply Associated Press style to articles; Edit own and others' articles for proper spelling, grammar and AP Style; Define writing differences for different platforms.
2. Demonstrate knowledge of journalism articles for print, online, broadcast, multimedia and social media formats.

Associate Degree in Journalism for Transfer Major Requirements

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

Required Core

Subject & Number	Title	Units
Media		
Communications 110	Mass Media and Society	3
Media		
Communications 112	Media News Writing	3
Media		
Communications 132A	Media News Practicum I	3
Total		9

List A

Select ONE (1) of the following courses:

Media Communications 132B	Media News Practicum II	3
Media Communications 212	<u>Multimedia Reporting</u>	3
	Total	3

List B

Select TWO (2) of the following courses:

Anthropology / Psychology / Sociology 215	Statistics for the Behavioral Sciences	4
or		
Mathematics 160	Elementary Statistics	(4)
Communication 137	Critical Thinking in Group Communication	3
Communication 145	Argumentation	3
Economics 120	Principles of Macroeconomics	3
or		
Economics 121	Principles of Microeconomics	(3)
English 124	Advanced Composition: Critical Reasoning and Writing	3
Photography 150	Introduction to Photography	3
Philosophy 130	Logic	3
Political Science 121	Introduction to US Government and Politics	3
	Total	6-7
	Units for the major	18-19
	Units for CSU GE or IGETC-CSU GE	37-39
	Total units required for the degree	60

Complete transferable units as needed to reach 60.

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

<http://www.grossmont.edu/student-services/offices-and-services/careercenter/resources/default.aspx>

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	<u>Microsoft Excel</u>	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 & Persuasion	3
Business 144	Advertising	3
Business 146	Marketing	3
Business 159A-B-C-D	Management Internship	3
Economics 120	<u>Principles of Macroeconomics</u>	3
	Total	3-4
	Total Required	29-30
	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 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

<http://www.grossmont.edu/student-services/offices-and-services/careercenter/resources/default.aspx>

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

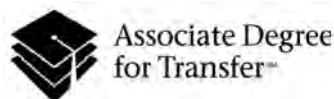
Select ONE (1) of the following courses:

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 Marketing. 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 SCIENCE IN MATHEMATICS FOR TRANSFER (A.S.-T)

The Associate in Science in Mathematics for Transfer (A.S.-T) degree is designed to facilitate transfer to a California State University in keeping with SB 1440. This degree reflects the Transfer Model Curriculum (TMC) supported by the statewide Academic Senate. A total of 19-20 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). Students planning to transfer to SDSU should consult with a counselor.

The following requirements must be met to be awarded an Associate in Science in Mathematics for Transfer (A.S.-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.

Mathematics has become essential and pervasive in the workplace. The study of mathematics provides a foundation for problem solving and logical reasoning skills. In today's highly technological society, the study

of mathematics has become increasingly important. The Associate in Science degree in Mathematics offers a solid foundation for further study in mathematics and other mathematics-related fields. The primary emphasis of the mathematics major program is to prepare students for transfer to four-year institutions. Students should consult the catalog of the transfer school being considered for its specific requirements.

The Mathematics Department strives to impart the following **Program-level Student Learning Outcomes (PSLOs)** through the successful completion of the degree requirements. Students will:

1. Use appropriate theorems, formulas, and algorithms to solve mathematical problems from algebra, trigonometry, calculus and geometry.
2. Use appropriate technology to solve problems requiring mathematics.
3. Formulate, analyze, and differentiate mathematical functions numerically, graphically and symbolically and transition between these representations.
4. Communicate the mathematical process and assess the validity of the solution.

Associate Degree Major Requirements

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

Required Core

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
	Total	13

List A:

Mathematics 284	Linear Algebra	3
Mathematics 285	Differential Equations	3
	Total	3

List B:

Select ONE (1) course from the following:

Mathematics 160	Elementary Statistics	4
Mathematics 245	Discrete Mathematics	3
Physics 140	Mechanics of Solids	4
Computer Science	Introduction to Java	
Information Systems 293	Programming	4
Computer Science	Introduction to C++	
Information Systems 296	Programming	4
	Total	3-4
	Units for the major	19-20
	Units for CSU	
	GE or IGETC-CSU GE	37-39
	Total units required for the degree	60

Complete transferable units as needed to reach 60.

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.

Career Opportunities

<http://www.grossmont.edu/student-services/offices-and-services/careercenter/resources/default.aspx>

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 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 its specific requirements.

The Program-level Student Learning Outcomes (PSLOs)

below are outcomes that students will achieve after completing specific degree/certificate requirements in this program. Students will:

1. Use appropriate theorems, formulas, and algorithms to solve mathematical problems from algebra, trigonometry, calculus and geometry.
2. Use appropriate technology to solve problems requiring mathematics.
3. Formulate, analyze, and differentiate mathematical functions numerically, graphically and symbolically and transition between these representations.
4. Communicate the mathematical process and assess the validity of the solution.

Associate Degree Major Requirements

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 & Calculus I	5
Mathematics 280	Analytic Geometry & 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	Introduction to Java	
Information Systems 293	Programming	4
Computer Science	Introduction to C++	
Information Systems 296	<u>Programming</u>	<u>4</u>
	Total	3-4
	Total Required	19-20
	Plus General Education and Elective Requirements	

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

<http://www.grossmont.edu/student-services/offices-and-services/careercenter/resources/default.aspx>

Anchorperson/News caster
 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 Outcomes

(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 Electronic Media	3
Media Communications 110	Mass Media and Society	3
Media Communications 112	Introduction to Reporting and 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	<u>Media Announcing</u>	<u>3</u>
	Total	3

Select THREE (3) units from the following courses:

Media Communications 151	Electronic Media Internship I	1
Media Communications 153	Electronic Media Internship II	2
Media Communications 155	<u>Electronic Media Internship III (3)</u>	<u>3</u>
	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
or		
Media Communications 216A	Audio Multitrack Production I	(3)
Media Communications 216B	Audio Multitrack Production II	(3)
Media Communications 216C	Audio Multitrack Production III	(3)
	Total	9
	Total Required	31
	Plus General Education and Elective Requirements	

Recommended Electives:

Subject & Number	Title	Units
Media Communications 111	Introduction to Media Aesthetics and Cinematic Arts	3
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
Media Communications 210	Social Media in the Digital Age	3
	Total	12

Select ONE (1) of the following courses:

Subject & Number	Title	Units
Media Communications 132A	Media News Practicum I	3
Media Communications 132B	Media News Practicum II	(3)
Media Communications 132C	Media News Practicum III	(3)
	Total	3

Select THREE (3) units from the following courses:

Subject & Number	Title	Units
Media Communications 151	Electronic Media Internship I	1
Media Communications 153	Electronic Media Internship II	2
Media Communications 155	Electronic Media Internship III	(3)
	Total	3
	Total Required	34
	Plus General Education and Elective Requirements	

Recommended Electives:

Subject & Number	Title	Units
Media Communications 111	Introduction to Media Aesthetics and Cinematic Arts	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	Introduction to Media Aesthetics and Cinematic Arts	3
Media Communications 118	Media Script Writing	3
Media Communications 120	Single Camera Video Cinematography	3
Media Communications 230	Digital Program Production I	3
	Total	9

Select THREE (3) units from the following courses:

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

Recommended Electives:

Subject & Number	Title	Units
Theatre 110	Introduction to the Theatre	3

Certificate of Achievement

Any student who chooses to complete 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.



Associate Degree
for Transfer™

ASSOCIATE IN ARTS IN MUSIC FOR TRANSFER (A.A.-T)

The Associate in Arts in Music 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 units are required to fulfill the major portion of this degree. Students must also complete 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 Music 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) for CSU.
 - (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.

Music is the study of art, space, and silence through time. The art of arranging sounds or making sounds, usually those of musical instruments or voices. Musical language may be used to mean style or genre, while music may be treated as language without being called such. The study of music offers a secure foundation for exploration into these areas. Furthermore, studying music enables students to obtain careers as performers, educators, composers, and music industry professionals. Students will pursue the art and beauty of music while honing the interpersonal and communication skills that are crucial to every career.

The Program-level Student Learning Outcomes (PSLOs) below are outcomes that students will achieve after completing the specific degree 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 must be completed with a letter grade of "C" or higher.

Required Core

Subject & Number	Title	Units
Music 105	Music Theory and Practice I	4
Music 106	Music Theory and Practice II	4
Music 205	Music Theory and Practice III	4
Music 206	Music Theory and Practice IV	4
Music 190	Performance Studies	.5
Music 191	Performance Studies	.5
Music 290	Performance Studies	.5
Music 291	Performance Studies	.5
Total		18

Choose FOUR (4) of the following courses:

Subject & Number	Title	Units
Music 138-139-238-239	Grossmont Master Chorale	1
Music 150-151-250-251	Grossmont Symphony Orchestra	1
Music 152-153-252-253	Concert Band	1
Music 154-155-254-255	Afro-Cuban Ensemble	1
Music 156-157-256-257	Jazz Ensemble	1
Music 166-167-266-267	Jazz Vocal Ensemble	1
Total		4
Units for the major		22
Units for CSU GE or IGETC-CSU GE		37
Total units required for the degree		60

Complete transferable units as needed to reach 60.

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

<http://www.grossmont.edu/student-services/offices-and-services/careercenter/resources/default.aspx>

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 & Practice I	4
Music 106	Music Theory & 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	.5
Music 191	Performance Studies	.5
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	.5
Music 291	Performance Studies	.5
	Total	16

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

Total	4
Total Required	34
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. Secondly the curriculum prepares students for entry-level employment in professional and community theatre as they pursue their degree objectives.

Career Opportunities

<http://www.grossmont.edu/student-services/offices-and-services/careercenter/resources/default.aspx> Resources

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 081A	Tap I	1.5
Dance 095	Musical Theatre Dance	1.5
Music 132 or 133	Class Piano I or II	3
Music 170	Class Voice	2
Music 171	Class Voice	2
Theatre Arts 130	Acting I	3
Theatre Arts 131	Acting II	3
Theatre Arts 205	The American Musical on Stage and Screen	3
Theatre Arts 234 A or B	Fundamentals of Musical Theatre – Performance I or II	3
Theatre Arts 235 A or B	Fundamentals of Musical Theatre - Scene and Song I or II	3
	Total	25

Select TWO (2) of the following courses:

Dance 080A or B or C or D	Modern I or II or III or IV	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
	Total	3

Select ONE (1) of the following courses:

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

Select *ONE (1)* of the following courses:

Theatre Arts 122A or B or C or D	Theatre Workshop Laboratory: Acting I or II or III or IV	1
Theatre Arts 123A or B or C or D	Theatre Workshop Laboratory: Construction I or II or III or IV	1
Theatre Arts 124A or B or C or D	Theatre Workshop Laboratory: Production Crew I or II or III or IV	1
	<hr/>	
	Total	1
	Total Required	31
	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 15 for special admission procedures and criteria.

As defined by the American Nurses Association, professional nursing is the diagnosis and treatment of human responses to actual and high-risk health problems. The Associate Degree Registered Nursing program at Grossmont College prepares men and women for national licensure to practice professional nursing in critical, acute, chronic, ambulatory and home health-care settings. For students without previous nursing education, the nursing courses cover four semesters in addition to the prerequisite courses required to apply. Nursing didactic is coordinated with laboratory experience in local hospitals and health agencies under the supervision of nursing faculty members. In addition to the nursing courses, the major requires selected general education courses from the natural, behavioral and social sciences.

Students are admitted to the Nursing Program based on a multi-criteria selection process which includes the following criteria: GPA of 2.5 or higher in the required sciences and general education courses for the Nursing major, previous degrees or certifications, life experiences, proficiency in a California State chancellor's office approved second language, and the individual composite score of 62 or greater for the Test of Essential Academic Skills exam. Program applications are accepted during specific application periods and is a separate process from an application to Grossmont College. No waitlist is maintained however, for those applicants not selected, the opportunity exists to reapply during future application periods.

For all information on admission criteria, see the Nursing Program website at <https://www.grossmont.edu/nursing>.

California Licensed Vocational Nurses are eligible to apply for a 3-semester LVN-RN Program. Upon successful completion of Nursing 130, 220 and 222, students will receive a total of 13 units of credit for Fundamentals of Nursing and Obstetric and Pediatric Nursing.

Grossmont College prepares the student for an Associate Degree in Science in Registered Nursing. In addition to the nursing courses, the major requires selected general education courses to be successfully completed for the degree. Upon completion of all degree requirements, the graduate is eligible to apply to take the National Council Licensure Examination for Registered Nurses (NCLEX-RN). The Associate Degree Nursing Program is an approved School of Nursing by the California Board of Registered Nursing located at 1747 N. Market Blvd., Suite 150 Sacramento, CA 95834 and accredited by the ACEN, Accreditation Commission for Education in Nursing located at 3343 Peachtree Road, Suite 850 Atlanta, GA 30326.

Graduates of the ADN program are also eligible to transfer into a BSN program upon completion of the program. Appropriate courses are fully accepted on transfer by the University of California, the California State University and by private four-year colleges and universities.

IMPORTANT: Any prior conviction of a misdemeanor or felony may influence eligibility for licensure as a Registered Nurse. A flagged background check or drug screen may also prohibit participation in the Nursing program, eligibility for state licensure and securing employment. Applicants with prior convictions are urged to visit the California Board of Registered Nursing prior to applying to the program at www.rn.ca.gov/

Application Period

An application for the nursing major is required and will only be accepted during the application periods specified on the Nursing Program website. A completed application with all required documentation and official transcripts must be submitted as a packet; transcripts should not be sent separately. Incomplete packets will not be considered for admission. No waitlist is maintained for the program however, for those applications not selected, the opportunity exist to reapply during future application periods. This application is separate from the application to the college.

All prospective nursing students must pass the Test of Essential Academic Skills exam (TEAS). This is a pre-entrance test that covers basic Math, Reading, English and Science. All applicants must pass the most recent TEAS version in order to apply to the program; no previous versions will be accepted. Students may prepare for this exam by going to the ATI testing website (<http://www.atitesting.com>). TEAS study guides and online practice exams are available for purchase through the website. <http://www.atitesting.com/Solutions/pre-program/teas.aspx>.

Under the multi-selection criteria, points are given for a successful TEAS exam score. All applicants are strongly advised to visit the program website for all TEAS policies, procedures and detailed information on remediation and repeating the exam at <http://www.grossmont.edu/nursing/teastesting>.

Please review the entire TEAS policy PRIOR TO taking the exam.

For all information on admission criteria, see the Nursing website at <http://www.grossmont.edu/nursing>.

Career Opportunities

<http://www.grossmont.edu/student-services/offices-and-services/careercenter/resources/default.aspx>

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 caring, patient-centered, safe and holistic care that is culturally sensitive and utilizes critical thinking within the framework of the nursing process and evidence-based principles.
2. Communicate effectively when providing care for multicultural patients and effectively promote patient advocacy for patients and families with integrity.
3. Safely implement the professional nursing role as defined by the California Nurse Practice Act and the American Nurses' Association principles of ethical practice.
4. Engage in life-long learning as part of the professional commitment of the Registered Nurse role.

General Education Requirements For Nursing Majors

All Allied Health and Nursing students adhere to the graduation requirements outlined in the college catalog for the academic year in which they enter the program.

Competency Requirement

1. Competency in reading, writing, expression shown by achieving a "C" grade or higher or in courses listed under Area A, Section 1 – Written Communication.
2. Competency in Mathematics shown by either
 - a. Completion of MATH 103 or a higher numbered math course with a grade of "C" or higher or a grade of "P".
 - b. Placement into MATH 125 or a math course numbered MATH 170 or above. (Students meeting competency through placement 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

English as a Second Language 122

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

Economics 215

Mathematics 103, 108, 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 141L* or 144 and 145, 152, 105, 110, 112, 114, 118, 120, 230, 240

Chemistry 102, 110, 113, 115, 116, 117, 120, 141, 142, 231, 232, 241, 241L*, 242, 242L*

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 126, 127, 134, 143, 144, 236, 237, 238

Dance 110, 120

English 122, 126, 134, 135, 136, 137, 201, 203, 215, 217, 218, 219, 221, 222, 231, 232, 236, 237, 238, 275, 276, 277

English as a Second Language 115

French 120, 121, 152, 220, 221, 250, 251

German 120, 121, 220, 221, 250, 251

History 100, 101, 103, 105, 106, 113, 126, 135, 136, 137, 148

Humanities 110, 120, 125, 130, 135, 140, 160, 170

Italian 120, 121, 220, 221, 250, 251

Japanese 120, 121, 149, 220, 221, 250, 251

Media Communications 111

Music 110, 111, 115, 116, 117, 123, 189

Philosophy 110, 111, 112, 114, 116, 118, 140, 141, 145, 150, 155, 160

Photography 150, 154

Religious Studies 120, 130, 140, 150, 170

Russian 120, 121, 220, 221, 250, 251

Spanish 120, 121, 122, 123, 141, 145, 220, 221, 250, 251

Theatre Arts 101, 110, 130, 143, 144, 205

Area D - Social Sciences

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

- Administration of Justice 110
- Anthropology 120, 122, 127, 140
- Child Development 115, 125, 131, 134, 145, 153
- Communication 124, 126, 128
- Cross-Cultural Studies 114, 115, 116, 118, 119, 125, 128, 130, 131, 132, 133, 135, 145, 154, 155, 180, 181
- Economics 110, 120, 121
- Family Studies 115, 120
- Geography 100, 101, 106, 130, 170
- Health Education 120, 201
- Health Science 110
- History 108, 109, 114, 115, 118, 119, 122, 123, 124, 130, 131, 154, 155, 180, 181
- Media Communications 110, 210
- Nutrition 155, 158, 159
- Political Science 120, 121, 124, 130, 140, 150, 160
- Psychology 120, 125, 132, 134, 138, 140, 170, 220
- Sociology 114, 120, 125, 130, 138, 140, 150

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 and Biology 141 and Biology 141L	Human Anatomy Human Physiology Laboratory in Human Physiology	5 3 1
or Biology 144 and Biology 145 Biology 152	Anatomy and Physiology I Anatomy and Physiology II Paramedical Microbiology	(4) (4) 5
Communication 120 or Communication 122 English 120	Interpersonal Communication Public Speaking College Composition and Reading	3 (3) 3
or English 124	Advanced Composition: Critical Reasoning and Writing	(3)
Nursing 118 Nursing 120 Nursing 130 Nursing 132	Nursing Pharmacology Fundamentals of Nursing Medical-Surgical Nursing I Obstetric and Pediatric Nursing	2 8 5 5
Nursing 220 Nursing 222	Medical-Surgical Nursing II Psychiatric and Community Health Nursing	5 5
Nursing 230 Psychology 120 Sociology 114	Medical-Surgical Nursing III Introductory Psychology Introduction to Sociology of Minority Group Relations	6 3 3
or Sociology 120	Introductory Sociology	(3)
	Total	64-65
	Plus Remaining General Education Requirements for Nursing Majors	6
	Total Required	70-71

OCCUPATIONAL THERAPY ASSISTANT

See page 16 for special admission procedures and criteria.

This career major prepares the student to work as an Occupational Therapy Assistant with people who are limited by physical injury or illness, mental health problems, developmental or learning disabilities, or the aging process. Occupational Therapy Assistants (OTAs) work under the direct supervision of an occupational therapist (OT) providing all levels of patient treatment. The student learns to utilize manual and creative arts, purposeful activities, exercises, adaptive devices, daily living tasks and leisure activities to assist patients to achieve their highest level of function.

Those working in occupational therapy would be expected to assist the OT in assessing patient needs, determining therapeutic goals, planning treatment activities, carrying out treatment procedures, communicating with patients and health care providers, documenting patient progress, and maintaining clinical environments. Assistants are employed in rehabilitation facilities, hospitals, skilled nursing facilities, schools, day treatment centers, outpatient clinics and other community agencies.

Students are admitted to the Occupational Therapy Program based on the date a complete application packet is submitted to include the following: OTA application, completed immunizations and/or tests, official transcripts of all science prerequisites and courses completed in the major if taken outside of GCCCD. Program applications are accepted year round and is a separate process from an application to Grossmont College.

For all information on admission criteria, see the Occupational Therapy Assistant Program website at <https://www.grossmont.edu/ota>.

Grossmont College prepares the student for an Associate Degree in Science as an Occupational Therapy Assistant. In addition to the occupational therapy assistant courses, the major requires selected general education courses to be successfully completed for the degree. Upon completion of all degree requirements, the graduate is eligible to apply to take the national certification exam for Occupational Therapy Assistants administered by the National Board for Certification of Occupational Therapy (NBCOT). All states require licensure to practice as an OTA however, state licenses are usually based on the results of the NBCOT Certification Exam.

The Associate Degree Occupational Therapy Assistant Program is accredited through the Accreditation Council for Occupational Therapy Education (ACOTE) of the American Occupational Therapy Association (AOTA) located at 6116 Executive Boulevard, suite 200, North Bethesda, MD 20852.

Graduates of the OTA program are also eligible to transfer into a higher degree program upon completion of the Associates Degree program. Appropriate courses are fully accepted on transfer by the University of California, the California State University and by private four-year colleges and universities.

IMPORTANT: Any prior conviction of a misdemeanor or felony may influence eligibility for licensure as an Occupational Therapy Assistant. A flagged background check or drug screen may also prohibit participation in the OTA program, eligibility for state licensure and securing employment. Applicants with prior convictions are urged to contact the Occupational Therapy Board of California at 916-263-2294 and the NBCOT at 301-990-7979.

Career Opportunities

<http://www.grossmont.edu/student-services/offices-and-services/careercenter/resources/default.aspx>

Activities Director
 ADA Assistant
 Administrator*
 Behavioral Support Assistant
 Special Education Teacher Assistant/Aide
 Camp Counselor
 Certified Occupational Therapist Assistant
 Ergonomics Assistant
 Health Educator
 Healthcare Consultant
 Occupational Therapist*
 Recreation Leader
 Recreation Program Assistant
 Rehab Director
 Teacher*
 Vocational Rehabilitation Counselor*
 *Additional education is required

The Program-level Student Learning Outcomes (PSLOs)

below are outcomes that students will achieve after completing specific degree/certificate requirements in this program. Students will:

1. Achieve entry level competence and understand the importance of lifelong learning to maintain competence.
2. Promote and support the profession of occupational therapy, emerging practice areas and community service.

General Education Requirements For Occupational Therapy Assistant

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. Completion of MATH 103 or a higher numbered math course with a grade of "C" or higher or a grade of "P".
 - b. Placement into MATH 125 or a math course numbered MATH 170 or above. (Students meeting competency through placement must still take an Area A3 course.)

Courses in bold print are required in the Occupational Therapy Assistant major. All OTA courses must be completed with a "C" grade or higher, a competent program skills checklist, and "meets standard" on final professional behavior evaluation prior to enrollment in OTA 240 and OTA 241. All GE Courses must be completed prior to 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 or "Pass" to satisfy the competency requirement.

English 120, 124

English as a Second Language 122

2. Oral Communication

Communication 120, 122, 130

3. Analytical Thinking

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

Anthropology 215

Biology 215

Economics 215

Geography 104

Mathematics 103, 108, 110, 120, 125, 126, 150, 160, 170,

175, 176, 178, 180, 245, 280, 281, 284, 285

Philosophy 125, 130

Physical Science 120

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, 141L*, 230, 240

Chemistry 102, 110, 113, 115, 116, 117, 120, 141, 142, 231, 232, 241, 241L*, 242, 242L*

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 126, 127, 134, 143, 144, 236, 237, 238
 Dance 110, 120
 English 122, 126, 134, 135, 136, 137, 201, 203, 215, 217, 218, 219, 221, 222, 231, 232, 236, 237, 238, 275, 276, 277
 English as a Second Language 115
 French 120, 121, 152, 220, 221, 250, 251
 German 120, 121, 220, 221, 250, 251
 History 100, 101, 103, 105, 106, 113, 126, 135, 136, 137, 148
 Humanities 110, 120, 125, 130, 135, 140, 160, 170
 Italian 120, 121, 220, 221, 250, 251
 Japanese 120, 121, 149, 220, 221, 250, 251
 Media Communications 111
 Music 110, 111, 115, 116, 117, 123, 189
 Philosophy 110, 111, 112, 114, 116, 118, 140, 141, 145, 150, 155, 160
 Photography 150, 154
 Religious Studies 120, 130, 140, 150, 170
 Russian 120, 121, 220, 221, 250, 251
 Spanish 120, 121, 122, 123, 141, 145, 220, 221, 250, 251
 Theatre Arts 101, 110, 130, 143, 144, 205

Area D - Social Sciences

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

Administration of Justice 110
 Anthropology 120, 122, 127, 140
 Child Development 115, 125, 131, 134, 145, 153
 Communication 124, 126, 128
 Cross-Cultural Studies 114, 115, 116, 118, 119, 125, 128, 130, 131, 132, 133, 135, 145, 154, 155, 180, 181
 Economics 110, 120, 121
 Family Studies 115, 120
 Geography 100, 101, 106, 130, 170
 Health Education 120, 201
 Health Science 110
 History 108, 109, 114, 115, 118, 119, 122, 123, 124, 130, 131, 154, 155, 180, 181
 Media Communications 110, 210
 Nutrition 155, 158, 159
 Political Science 120, 121, 124, 130, 140, 150, 160
 Psychology 120, 125, 132, 134, 138, 140, 170, 220
 Sociology 114, 120, 125, 130, 138, 140, 150

Area E - Fitness/Wellness

Two courses involving physical exercise and/or dance are required. They can only be chosen from the exercise science and/or dance courses listed below:

Dance 068, 071A, 071B, 072A, 072B, 074A, 074B, 078 A, 078B, 080A, 080B, 080C, 080D, 081A, 081B, 081C, 081D, 082A, 082B, 083A, 083B, 084A, 084B, 084C, 084D, 088A, 088B, 088C, 088D, 094A, 094B, 094C, 094D, 099A, 099B, 099C, 116, 118A, 118B, 118C, 118D

Exercise Science 001, 002, 003, 004A, 004B, 004C, 005A, 005B, 005C, 006A, 006B, 006C, 007A, 007B, 007C, 008A, 008B, 008C, 009A, 009B, 009C, 017A, 017B, 017C, 021A, 021B, 021C, 023A, 023B, 023C, 024A, 024B, 024C, 026, 027A, 027B, 027C, 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, 125A, 125B, 125C, 130A, 130B, 130C, 155A, 155B, 155C, 170A, 170B, 170C, 171A, 171B, 171C, 172A, 172B, 172C, 175A, 175B, 175C, 176A, 176B, 176C, 180, 185A, 185B, 185C

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 and Biology 141 or Biology 144	Human Anatomy	5
Biology 141 or Biology 144	Human Physiology	3
and Biology 145	Human Anatomy & Physiology I	(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	2
Occupational Therapy Assistant 102	Rehabilitation Terminology, Diseases and Diagnoses	2
Occupational Therapy Assistant 110	Occupational Skills – Psychosocial	4
Occupational Therapy Assistant 111	Experiential/Simulation 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	3
Occupational Therapy Assistant 141	Experiential/Simulation II	1
Occupational Therapy Assistant 200	Introduction to Occupational Therapy Skills Physical Rehabilitation	3
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	Experiential/Simulation 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	57
	Plus General Education Requirements	14
	Total Required	71

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

<http://www.grossmont.edu/student-services/offices-and-services/careercenter/resources/default.aspx>

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 Outcomes

(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 & 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 & Calculus II	4
Physics 140	Mechanics of Solids	4
Physics 240	Electricity, Magnetism & 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 Greater San Diego Region	3
	Total	6
	Total Required	36
	Plus General Education and Elective Requirements	

ORTHOPEDIC TECHNOLOGY

See page 16 for special admission procedures and criteria.

A program designed to train students as Orthopedic Technologists, preparing graduates with lifetime professional skills in an expanding allied health field. Orthopedic Technologists are employed in hospitals, clinics, or private practice offices for applying, adjusting, and/or removing of casts, splints, and braces. In addition, the Orthopedic Technologists set up, adjust, and maintain all traction configurations, assist with the care of the acutely injured orthopedic patients, and assist the physician in the reduction and/or manipulation of orthopedic injuries. This program prepares the graduate to take the national certification examination (NBCOT).

Students are admitted to the Orthopedic Technology Program based on the date a completed application packet is submitted to include the following: OT application, completed immunizations and/or tests and official transcripts of all science prerequisites if taken outside of GCCCD. Program applications are accepted year round and is a separate process from an application to Grossmont College.

For all information on admission criteria, see the Orthopedic Technology Program website at <https://www.grossmont.edu/orthotech>.

Grossmont College prepares the student for an Associate Degree in Science as an Orthopedic Technologist or, upon successful completion of the Orthopedic Technology courses, a Certificate of Achievement. In addition to the orthopedic technology courses, the major requires selected general education courses to be successfully completed for the degree. Upon completion of all degree requirements, the graduate is eligible to sit for the certification exam as a Certified Orthopedic Technologist administered by the National Board for Certification of Orthopaedic Technologists, Inc. (NBCOT).

IMPORTANT: Any prior conviction of a misdemeanor or felony may influence eligibility for licensure or certification as an Orthopedic Technologist. A flagged background check or drug screen may also prohibit participation in the program, certification exam, or securing employment. Applicants with prior convictions are urged to contact the National Board for Certification of Orthopaedic Technologists, Inc. (NBCOT) at 866-466-2268.

Career Opportunities

<http://www.grossmont.edu/student-services/offices-and-services/careercenter/resources/default.aspx>

Orthopedic Assistant
Orthopedic Cast Specialist
Orthopedic Technologist/Assistant
Orthopedic Surgical Technician
Orthotic Assistant
Orthotics-Prosthetics Assistant
Prosthetics Assistant

The Program-level Student Learning Outcomes (PSLOs)

below are outcomes that students will achieve after completing specific degree/certificate requirements in this program. Students will:

1. Articulate descriptions of orthopedic conditions based on the knowledge of anatomical structures and their relationships to one another.

2. Demonstrate the ability to apply, adjust, and remove all common orthopedic devices per hospital policy.
3. Demonstrate the knowledge of and the ability to execute aseptic technique when performing orthopedic procedures.
4. Demonstrate an adherence to the Standards of Practice and Code of Ethics of the National Association of Orthopedic Technologist that will reflect the ethical, legal and moral responsibilities of the Orthopedic Technologists.

General Education Requirements For Orthopedic Technology Majors

All Allied Health and Nursing students adhere to the graduation requirements outlined in the college catalog for the academic year in which they enter the program.

Competency Requirement

1. Completion of MATH 103 or a higher numbered math course with a grade of "C" or higher or a grade of "P".
2. Competency in Mathematics shown by either
 - a. Earning a grade of "C" or better, or "Pass," in Mathematics 103 or a higher numbered mathematics course or
 - b. Placement into MATH 125 or a math course numbered MATH 170 or above. (Students meeting competency through placement 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

English as a Second Language 122

2. Oral Communication

Communication 120, 122, 130

3. Analytical Thinking

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

Anthropology 215

Biology 215

Economics 215

Geography 104

Mathematics 103, 108, 110, 120, 125, 126, 150, 160, 170,

175, 176, 178, 180, 245, 280, 281, 284, 285

Philosophy 125, 130

Physical Science 120

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, 141L*, 230, 240

Chemistry 102, 110, 113, 115, 116, 117, 120, 141, 142, 231, 232, 241, 241L*, 242, 242L*

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 126, 127, 134, 143, 144, 236, 237, 238
 Dance 110, 120
 English 122, 126, 134, 135, 136, 137, 201, 203, 215, 217, 218, 219, 221, 222, 231, 232, 236, 237, 238, 275, 276, 277
 English as a Second Language 115
 French 120, 121, 152, 220, 221, 250, 251
 German 120, 121, 220, 221, 250, 251
 History 100, 101, 103, 105, 106, 113, 126, 135, 136, 137, 148
 Humanities 110, 120, 125, 130, 135, 140, 160, 170
 Italian 120, 121, 220, 221, 250, 251
 Japanese 120, 121, 149, 220, 221, 250, 251
 Media Communications 111
 Music 110, 111, 115, 116, 117, 123, 189
 Philosophy 110, 111, 112, 114, 116, 118, 140, 141, 145, 150, 155, 160
 Photography 150, 154
 Religious Studies 120, 130, 140, 150, 170
 Russian 120, 121, 220, 221, 250, 251
 Spanish 120, 121, 122, 123, 141, 145, 220, 221, 250, 251
 Theatre Arts 101, 110, 130, 143, 144, 205

Area D - Social Sciences

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

Administration of Justice 110
 Anthropology 120, 122, 127, 140
 Child Development 115, 125, 131, 134, 145, 153
 Communication 124, 126, 128
 Cross-Cultural Studies 114, 115, 116, 118, 119, 125, 128, 130, 131, 132, 133, 135, 145, 154, 155, 180, 181
 Economics 110, 120, 121
 Family Studies 115, 120
 Geography 100, 101, 106, 130, 170
 Health Education 120, 201
 Health Science 110
 History 108, 109, 114, 115, 118, 119, 122, 123, 124, 130, 131, 154, 155, 180, 181
 Media Communications 110, 210
 Nutrition 155, 158, 159
 Political Science 120, 121, 124, 130, 140, 150, 160
 Psychology 120, 125, 132, 134, 138, 140, 170, 220
 Sociology 114, 120, 125, 130, 138, 140, 150

Area E – Fitness/Wellness

Two courses involving physical exercise and/or dance are required. They can only be chosen from the exercise science and/or dance courses listed below:

Dance 068, 071A, 071B, 072A, 072B, 074A, 074B, 078 A, 078B, 080A, 080B, 080C, 080D, 081A, 081B, 081C, 081D, 082A, 082B, 083A, 083B, 084A, 084B, 084C, 084D, 088A, 088B, 088C, 088D, 094A, 094B, 094C, 094D, 099A, 099B, 099C, 116, 118A, 118B, 118C, 118D

Exercise Science 001, 002, 003, 004A, 004B, 004C, 005A, 005B, 005C, 006A, 006B, 006C, 007A, 007B, 007C, 008A, 008B, 008C, 009A, 009B, 009C, 017A, 017B, 017C, 021A, 021B, 021C, 023A, 023B, 023C, 024A, 024B, 024C, 026, 027A, 027B, 027C, 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, 125A, 125B, 125C, 130A, 130B, 130C, 155A, 155B, 155C, 170A, 170B, 170C, 171A, 171B, 171C, 172A, 172B, 172C, 175A, 175B, 175C, 176A, 176B, 176C, 180, 185A, 185B, 185C

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

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.

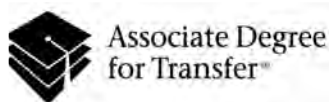
Note: All courses in the major must be completed with a letter grade of "C" or higher.

Subject & Number	Title	Units
Orthopedic Technology 110	Orthopedic Anatomy and Physiology	5
Orthopedic Technology 111	Orthopedic Techniques I	4
Orthopedic Technology 112	Introduction to Clinical Practicum	3
Orthopedic Technology 210	Diagnosis and Treatment of Orthopedic Disorders I	5
Orthopedic Technology 211	Orthopedic Techniques II	4
Orthopedic Technology 212	Supervised Hospital Clinical Practicum I	3
Orthopedic Technology 214	Supervised Hospital Clinical Practicum II	4
Orthopedic Technology 215	Diagnosis and Treatment of Orthopedic Disorders II	3
Total Required		31
Plus General Education and Elective Requirements		

Certificate of Achievement

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

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



ASSOCIATE IN ARTS IN PHILOSOPHY FOR TRANSFER (A.A.-T)

The Associate in Arts in Philosophy for Transfer (A.A.-T) degree is designed to facilitate transfer to a California State University in keeping with SB1440. A total of 18 units are required to fulfill the major portion of this degree. This degree reflects the Transfer Model Curriculum (TMC) supported by the statewide Academic Senate. Students must also complete the California State University (CSU) General Education Breadth requirements or the Intersegmental General Education Transfer Curriculum (IGETC) for CSU requirements (see the "General Education Requirements and Transfer Information" section of the catalog). A student may apply for this degree in conjunction with an Associate in Arts in Philosophy degree provided the courses taken meet the requirements of both degrees. Students should speak with a Counselor to verify that the requirements for either or both degrees have been met. In addition, students planning to transfer to SDSU should consult with a counselor.

The following requirements must be met to be awarded an Associate in Arts in Philosophy 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.

The Associate in Arts in Philosophy for Transfer degree provides a solid background for students wishing to continue their studies at a four-year institution. The discipline focuses on understanding the history of philosophic inquiry and the development of philosophic theory, as well as developing reasoning skills.

The Program-level Student Learning Outcomes (PSLOs) for Grossmont College's Philosophy Department 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 must be completed with a letter grade of "C" or higher.

Required Core

Subject & Number	Title	Units
Select TWO (2) of the following:		
Philosophy 130	Logic	3
Philosophy 110	A General Introduction to Philosophy	3
Philosophy 140	Problems in Ethics	(3)
Total		6

List A:

Subject & Number	Title	Units
Select ONE (1) of the following courses:		
Any course from the Required Core not already used or:		
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

List B:

Subject & Number	Title	Units
Select TWO (2) of the following courses:		
Any course from List A not already used or:		
History 105	Early Western Civilization	3
History 106	Modern Western Civilization	3
Philosophy 125	Critical Thinking	3
Total		6

List C:

Subject & Number	Title	Units
Select ONE (1) of the following courses:		
Any course from List A or B not already used or:		
Philosophy 111	Philosophy and Popular Culture	3
Philosophy 141	Bioethics	3
Philosophy 145	Social and Political Philosophy	3
Philosophy 150	The Philosophy of Art	3
Philosophy 155	The Philosophy of Science	3
Total		3
Units for the major		18
Units for CSU GE or IGETC-CSU GE		37-39
Total units required for the degree		60

Complete transferable units as needed to reach 60.

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

<http://www.grossmont.edu/student-services/offices-and-services/careercenter/resources/default.aspx>

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:

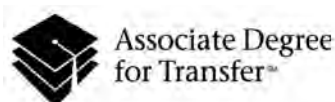
Subject & Number	Title	Units
Philosophy 111	Philosophy and Popular Culture	3
Philosophy 112	The Classical Mind	3
Philosophy 114	The Medieval Mind	3
Philosophy 116	The Modern Mind	3
Philosophy 118	The Contemporary Mind	3
Philosophy 140	Problems in Ethics	3
Philosophy 141	Bioethics	3
Philosophy 145	Social and Political Philosophy	3
Philosophy 150	The Philosophy of Art	3
Philosophy 155	The Philosophy of Science	3
Philosophy 160	Latin American Philosophy	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	21
	Plus General Education and Elective Requirements	



ASSOCIATE IN SCIENCE IN PHYSICS FOR TRANSFER (A.S.-T)

The Associate in Science in Physics for Transfer (A.S.-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 25 units are required to fulfill the major portion of this degree. Students must also complete the California State University (CSU) General Education Breadth requirements or the Intersegmental General Education Transfer Curriculum (IGETC) 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 Science in Physics for Transfer (A.S.-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.

The Associate of Science in Physics for Transfer Degree Program offers a secure foundation for further study in physics or engineering. The primary emphasis of the program is to prepare students for transfer to four-year institutions as science or engineering majors. Students are asked to consult the catalog of the transfer institution for specific requirements.

The Program-level Student Learning Outcomes

(PSLOs) below are outcomes that students will achieve after completing specific degree/certificate requirements in this program. Students will apply the fundamental principles of physics to real world or idealized situations.

Associate Degree Major Requirements

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

Required Core

Subject & Number	Title	Units
Physics 140	Mechanics of Solids	4
Physics 240	Electricity, Magnetism and Heat	4
Physics 241	Light, Optics, and Modern Physics	4
Math 180	Analytic Geometry & Calculus I	5
Math 280	Analytic Geometry & Calculus II	4
Math 281	Multivariable Calculus	4
	Units for the major	25
	Units for CSU GE or IGETC-CSU GE	37-39
	Total units required for the degree	60

Complete transferable units as needed to reach 60.

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

<http://www.grossmont.edu/student-services/offices-and-services/careercenter/resources/default.aspx>

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.

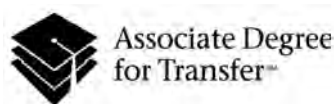
The Program-level Student Learning Outcomes (PSLOs)

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 & Calculus I	5
Mathematics 280	Analytic Geometry & Calculus II	4
Mathematics 281	Multivariable Calculus	4
Physics 140	Mechanics of Solids	4
Physics 240	Electricity, Magnetism & Heat	4
Physics 241	Light, Wave Motion and Modern Physics	4
	Total Required	35
	Plus General Education and Elective Requirements	

**ASSOCIATE IN ARTS IN POLITICAL SCIENCE FOR TRANSFER (A.A.-T)**

The Associate in Arts in Political Science 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 18-19 units are required to fulfill the major portion of this degree. Students must also complete the California State University (CSU) General Education Breadth requirements or the Intersegmental General Education Transfer Curriculum (IGETC) 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 Political Science 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.

Political Science is perhaps the oldest organized academic discipline in western civilization, and a major in this field prepares students for a variety of challenges. This transfer degree in political science can lead to a transfer to a university where one can continue work leading to a baccalaureate degree in political science, public administration or public policy. In addition, there are selected entry level positions in business and government open to the graduate with an Associate in Arts degree

in Political Science. Some individuals follow the steps necessary to go beyond an undergraduate degree and enter graduate schools leading to career in law, government service, or industry. Outlined below is the program that fulfills the lower division requirements for most majors in political science in universities. For special requirements, the student should consult the baccalaureate granting institution he/ she is considering for matriculation.

The Program-level Student Learning Outcomes (PSLOs) below are outcomes that students will achieve after completing specific degree/certificate requirements in this program. Students will:

1. Think critically and effectively express their views in written and verbal communication.
2. Demonstrate the skills for contemporary world citizen.
3. Demonstrate a basic understanding of US and world politics as well as the broad discipline of political science.
4. Pursue advanced study in political science and relevant career-oriented programs.
5. Critically analyze the nature of power in political systems including the roles played by institutional and non-institutional actors.

Associate Degree Major Requirements

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

Required Core

Subject & Number	Title	Units
Political Science 121	Introduction to U.S. Government and Politics	3
	Total	3

List A

Select THREE (3) of the following courses:

Political Science 120	Introduction to Politics and Political Analysis	3
Political Science 124	Introduction to Comparative Government and Politics	3
Political Science 130	Introduction to International Relations	3
Political Science 150	Introduction to Political Theory	3
Math 160 or Anthropology/ Psychology/ Sociology 215	Elementary Statistics Statistics for the Behavioral Sciences	4 (4)
	Total	9-10

List B

Select TWO (2) of the following courses:

Any List A course not used above or		
Economics 110	Economic Issues and Policies	3
Economics 120	Principles of Macroeconomics	3
Economics 121	Principles of Microeconomics	3
Political Science 140	Introduction to California Government and Politics	3
	Total	6
	Units for the major	18-19
	Units for CSU GE or IGETC-CSU GE	37-39
	Total units required for the degree	60

Complete transferable units as needed to reach 60.

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

<http://www.grossmont.edu/student-services/offices-and-services/careercenter/resources/default.aspx>

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	<u>Introduction to Political Theory</u>	3
	Total	9

Select ONE (1) of the following courses:

Subject & Number	Title	Units
Economics 120	Principles of Macroeconomics	3
Geography 130	<u>Human & Cultural Geography</u>	3
	Total	3
	Total Required	18
	Plus General Education and Elective Requirements	

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
Economics 215	Statistics for Business and Economics	3
or		
Mathematics 160	Elementary Statistics	(4)
History 108	Early American History	3
History 109	Modern American History	3
Political Science 135	Model United Nations	1
Sociology 120	Introductory Sociology	3



Associate Degree
for Transfer™

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 20-23 units are required to fulfill the major portion of this degree. This degree reflects the Transfer Model Curriculum (TMC) supported by the Statewide Academic Senate. Students must also complete the California State University (CSU) General Education Breadth requirements or the Intersegmental General Education Transfer Curriculum (IGETC) 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.

Psychology is a diverse discipline, grounded in science, but with nearly boundless applications in everyday life. Some psychologists do basic research, developing theories and testing them through carefully honed research methods involving observation, experimentation and analysis. Other psychologists apply the discipline's scientific knowledge to help people, organizations and communities function better (APA).

The Program-level Student Learning Outcomes (PSLOs)

below are outcomes that students will achieve after completing specific degree/certificate requirements in this program. Students will:

1. Identify, explain, and compare and contrast the major theoretical perspectives in psychology.
2. Evaluate psychological information using the scientific method.
3. Apply appropriate statistical analyses to quantitative data.
4. Apply principles of psychology to the understanding of self and others.

Associate Degree Major Requirements

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	4
or		
Math 160	<u>Elementary Statistics</u>	(4)
		10

List A

Select ONE (1) of the following courses:

Biology 120	Principles of Biology	4
Psychology 140	<u>Physiological Psychology</u>	3
		3-4

List B

Select THREE (3) of the following courses:

Any List A course not used above or		
Psychology 138	Social Psychology	3
Psychology 150	Developmental Psychology	3
Psychology 170	Abnormal Psychology	3
Psychology 201	Academic & Career Opportunities in Psychology	1
Psychology 220	<u>Learning</u>	3
	Total	7-9
	Units for the major	20-22
	Units for CSU GE or IGETC- CSU GE	37-39
	Total units required for the degree	60

Complete transferable units as needed to reach 60.

RESPIRATORY THERAPY

See page 17 for special admission procedures and criteria.

Respiratory Therapists, also known as Respiratory Care Practitioners are allied health professionals trained and educated to care for patients in need of cardio-pulmonary support. Respiratory therapist assess, use diagnostic tests to evaluate, treat, educate, and provide care to patients from birth until the end-of-life. A respiratory therapist has probably provided you with care if you have or have ever had asthma, chronic obstructive pulmonary disease, pneumonia, suffered trauma, delivered a baby prematurely or by cesarean section, suffered a respiratory or cardiac arrest, or needed life support.

Specific testing techniques are employed in respiratory therapy to assist in diagnoses, monitoring, treatment and research. This includes measurement of ventilatory volumes, pressures and flows and blood gas analyses.

For all information on admission criteria, see the Respiratory Therapy Program website at <http://www.grossmont.edu/rtprogram>

Grossmont College prepares the student for an Associate Degree in Science in Respiratory Therapy. In addition to the respiratory therapy courses, the major requires selected general education courses to be successfully completed for the degree. Upon completion of all degree requirements, the graduate is eligible to apply for the licensing exam administered by the National Board for Respiratory Care (NBRC). All states, excluding Alaska require licensure to practice as an RT.

The Associate Degree in Respiratory Therapy Program is accredited through the Commission on Accreditation for Respiratory Care (CoARC) located at 1248 Harwood Road, Bedford, TX 76021

Graduates of the RT program are also eligible to transfer into a BSRT program upon completion of the program. Appropriate courses are fully accepted on transfer by the University of California, the California State University and by private four-year colleges and universities.

IMPORTANT: Any prior conviction of a misdemeanor or felony may influence eligibility for licensure as a Respiratory Therapist. A flagged background check or drug screen may also prohibit participation in the RT program and securing employment. Applicants with prior convictions are urged to contact the Respiratory Care Board of California (RCB) at 866-375-0386.

Career Opportunities

<http://www.grossmont.edu/student-services/offices-and-services/careercenter/resources/default.aspx>

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. Completion of MATH 103 or a higher numbered math course with a grade of "C" or higher or a grade of "P".
 - b. Placement into MATH 125 or a math course numbered MATH 170 or above. (Students meeting competency through placement 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

English as a Second Language 122

2. Oral Communication

Communication 120, 122, 130

3. Analytical Thinking

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

Anthropology 215

Biology 215

Economics 215

Geography 104

Mathematics 103, 108, 110, 120, 125, 126, 150, 160, 170, 175, 176, 178, 180, 245, 280, 281, 284, 285

Philosophy 125, 130

Physical Science 120

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, 141L*, 144, 145, 152, 230, 240

Chemistry 102, 110, 113, 115, 116, 117, 120, 141, 142, 231, 232, 241, 241L*, 242, 242L*

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 126, 127, 134, 143, 144, 236, 237, 238
 Dance 110, 120
 English 122, 126, 134, 135, 136, 137, 201, 203, 215, 217, 218, 219, 221, 222, 231, 232, 236, 237, 238, 275, 276, 277
 English as a Second Language 115
 French 120, 121, 152, 220, 221, 250, 251
 German 120, 121, 220, 221, 250, 251
 History 100, 101, 103, 105, 106, 113, 126, 135, 136, 137, 148
 Humanities 110, 120, 125, 130, 135, 140, 160, 170
 Italian 120, 121, 220, 221, 250, 251
 Japanese 120, 121, 149, 220, 221, 250, 251
 Media Communications 111
 Music 110, 111, 115, 116, 117, 123, 189
 Philosophy 110, 111, 112, 114, 116, 118, 140, 141, 145, 150, 155, 160
 Photography 150, 154
 Religious Studies 120, 130, 140, 150, 170
 Russian 120, 121, 220, 221, 250, 251
 Spanish 120, 121, 122, 123, 141, 145, 220, 221, 250, 251
 Theatre Arts 101, 110, 130, 143, 144, 205

Area D - Social Sciences

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

Administration of Justice 110
 Anthropology 120, 122, 127, 140
 Child Development 115, 125, 131, 134, 145, 153
 Communication 124, 126, 128
 Cross-Cultural Studies 114, 115, 116, 118, 119, 125, 128, 130, 131, 132, 133, 135, 145, 154, 155, 180, 181
 Economics 110, 120, 121
 Family Studies 115, 120
 Geography 100, 101, 106, 130, 170
 Health Education 120, 201
 Health Science 110
 History 108, 109, 114, 115, 118, 119, 122, 123, 124, 130, 131, 154, 155, 180, 181
 Media Communications 110, 210
 Nutrition 155, 158, 159
 Political Science 120, 121, 124, 130, 140, 150, 160
 Psychology 120, 125, 132, 134, 138, 140, 170, 220
 Sociology 114, 120, 125, 130, 138, 140, 150

Area E - Fitness/Wellness

Two courses involving physical exercise and/or dance are required. They can only be chosen from the exercise science and/or dance courses listed below:

Dance 068, 071A, 071B, 072A, 072B, 074A, 074B, 078 A, 078B, 080A, 080B, 080C, 080D, 081A, 081B, 081C, 081D, 082A, 082B, 083A, 083B, 084A, 084B, 084C, 084D, 088A, 088B, 088C, 088D, 094A, 094B, 094C, 094D, 099A, 099B, 099C, 116, 118A, 118B, 118C, 118D

Exercise Science 001, 002, 003, 004A, 004B, 004C, 005A, 005B, 005C, 006A, 006B, 006C, 007A, 007B, 007C, 008A, 008B, 008C, 009A, 009B, 009C, 017A, 017B, 017C, 021A, 021B, 021C, 023A, 023B, 023C, 024A, 024B, 024C, 026, 027A, 027B, 027C, 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, 125A, 125B, 125C, 130A, 130B, 130C, 155A, 155B, 155C, 170A, 170B, 170C, 171A, 171B, 171C, 172A, 172B, 172C, 175A, 175B, 175C, 176A, 176B, 176C, 180, 185A, 185B, 185C

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 and Biology 141 and Biology 141L	Human Anatomy	5
Biology 141 and Biology 141L	Human Physiology	3
Biology 141L	Laboratory in Human Physiology	1
or Biology 144 and Biology 145 Biology 152	Anatomy & Physiology I	(4)
Chemistry 115	Anatomy & Physiology II	(4)
Respiratory Therapy 105	Paramedical Microbiology	5
Respiratory Therapy 108	Fundamentals of Chemistry	4
Respiratory Therapy 112	Cardiopulmonary Physiology and Disease Entities	4
Respiratory Therapy 114	Basic Respiratory Therapy Equipment, Procedures and Life Support Systems	5
Respiratory Therapy 116	Supervised Clinical Practicum I	1
Respiratory Therapy 118	Cardiopulmonary Pharmacology	2
Respiratory Therapy 122	Assessment in Respiratory Care	2.5
Respiratory Therapy 150	Critical Care Life Support Equipment and Procedures	4.5
Respiratory Therapy 201	Supervised Clinical Practicum II	3
Respiratory Therapy 205	Neonatal-Pediatric Respiratory Care	3
Respiratory Therapy 208	Cardiopulmonary Pathology and Pathophysiology	4
Respiratory Therapy 222	Cardiopulmonary Patient Management	3.5
Respiratory Therapy 232	Invasive and Noninvasive Cardiopulmonary Monitoring	4
Respiratory Therapy 268	Supervised Clinical Practicum III	4
	Supervised Clinical Practicum IV	4
	Respiratory Therapy Home Care Techniques	1.5
	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 & Physiology for the Anesthesia Technician	2
Respiratory Therapy 143	Introduction to the Operating Room	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 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.

Certificate of Proficiency

Certificates of Proficiency are designed for the student who needs to be prepared for effective interaction in a diverse workplace or other settings. A department-issued certificate may be awarded upon successful completion of a prescribed course of study. These certificates will not appear on a student's transcript.

Sleep Disorders, Diagnostic Procedures, and Treatment

This certificate accompanies the completion of Respiratory Therapy 220: Sleep Disorders, Diagnostic Procedures, and Treatments with a letter grade of "C" or higher. It prepares the student to effectively work in an entry level position in sleep medicine.

The Program-level Student Learning Outcomes

Upon completion of this course, our students will be able to do the following:

1. Evaluate results of sleep studies and recommend appropriate treatment.
2. Demonstrate appropriate knowledge of patient preparation for specific sleep studies.

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

Subject and Number	Title	Units
RESP 220	Sleep Disorders, Diagnostic Procedures, and Treatments	4
	Total	4

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

<http://www.grossmont.edu/student-services/offices-and-services/careercenter/resources/default.aspx>

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

<http://www.grossmont.edu/student-services/offices-and-services/careercenter/resources/default.aspx>

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 18-19 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.

Sociology is the study of human social life. It is a broad discipline, grounded in science, with many applications for daily life. A major in sociology offers a rigorous

preparation to students planning undergraduate and graduate work in sociology, political science, and other social and behavioral sciences. In addition, sociological education is an excellent background for professional training in law, business, education, and social work. Majoring in sociology provides a solid liberal education, and it is an excellent choice for undergraduates who are planning careers in the private sector, government, and non-profit organizations.

The Program-level Student Learning Outcomes (PSLOs) below are outcomes that students will achieve after completing specific degree/certificate requirements in this program. Students will:

1. Identify, explain, and compare and contrast the major theoretical perspectives in sociology.
2. Identify and explain the principles of social scientific research methodology.
3. Explain sociologically inequalities of class, race, ethnicity, gender, and age in modern and pre-modern societies. Use SPSS for the analysis of quantitative data.

Associate Degree Major Requirements

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 or Mathematics 160 Psychology 205	Statistics for Behavioral Sciences Elementary Statistics Research Methods for Psychology	4 (4) 3
	<u>Total</u>	6-7

List B

Select TWO (2) of the following courses:

Any List A course not used above or:

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
Sociology 150	<u>Latinx Sociology</u>	3
	<u>Total</u>	6

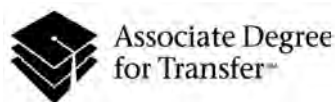
List C

Select ONE (1) of the following courses:

Any course from List A or B not used above or:

Anthropology 120	Cultural Anthropology	3
Geography 130	Human and Cultural Geography	3
Psychology 134	<u>Human Sexuality</u>	3
	<u>Total</u>	3
	Units for the major	18-19
	Units for CSU GE or IGETC-CSU GE	37-39
	<u>Total units required for the degree</u>	60

Complete transferable units as needed to reach 60.



ASSOCIATE IN ARTS IN SPANISH FOR TRANSFER (A.A.-T)

The Associate in Arts in Spanish for Transfer (A.A.-T) degree is designed to facilitate transfer to a California State University in keeping with SB1440. A total of 23 units are required to fulfill the major portion of this degree. This degree reflects the Transfer Model Curriculum (TMC) supported by the statewide Academic Senate. Students must also complete the California State University (CSU) General Education Breadth requirements or the Intersegmental General Education Transfer Curriculum (IGETC) for CSU requirements (see the "General Education Requirements and Transfer Information" section of the catalog). A student may apply for this degree in conjunction with an Associate in Arts in Spanish degree provided the courses taken meet the requirements of both degrees. Students should speak with a counselor to verify that the requirements for either or both degrees have been met. In addition, students planning to transfer to SDSU should consult with a counselor.

The following requirements must be met to be awarded an Associate in Arts in Spanish for Transfer (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.

This degree transfers to a university where one can continue work leading to a baccalaureate degree in Spanish, Spanish Literature, Linguistics, Latin American Studies, Comparative Literature, Translation and Interpretation, International Business and Bilingual Education. In addition, there are selected entry level positions in education and business open to the graduate with a degree in Spanish. Some individuals follow the steps necessary to go beyond an undergraduate degree and enter graduate schools leading to careers in higher education, Spanish Literature or Linguistics. For special requirements, the student should consult the baccalaureate granting institution he/she is considering for matriculation.

The Program-level Student Learning Outcomes

(PSLOs) below are outcomes that students will achieve after completing specific degree/certificate requirements in this program. Students will:

1. Think critically and effectively express in Spanish their views in written and verbal communication.
2. Compare and contrast the Hispanic culture with those of the learner in order to gain better understanding of the Spanish language, customs values, attitudes, patterns of behavior, and social mores.
3. Acquire and demonstrate a deeper understanding of the Spanish language, customs, geography, art, music, institutions and culture in general of the Spanish speaking countries in order to understand the current language and culture and how they have evolved.
4. Pursue advanced study in the Spanish language and relevant career-oriented programs.

Associate Degree Major Requirements

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

Required Core

Subject & Number	Title	Units
Spanish 120	Spanish I	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)
	Total	20

List A: Select ONE (1) of the following:

Subject & Number	Title	Units
Spanish 250	Conversational Spanish I	3
Spanish 251	Conversational Spanish II	3
Cross Cultural Studies/ History 118	U.S. History Chicano/ Chicana Perspectives I	3
Cross Cultural Studies/ History 119	U.S. History Chicano/ Chicana Perspectives II	3
Spanish 141	Spanish and Latin American Cultures	3
	Total	3
	Units for the major	23
	Units for the CSU GE or IGETC-CSU GE	37-39
	Total units required for the degree	60

Complete transferable units as needed to reach 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 World Languages.

Career Opportunities

<http://www.grossmont.edu/student-services/offices-and-services/careercenter/resources/default.asp>

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
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
History 114	Comparative History of the Early Americas	3
History 115	Comparative History of the Modern Americas	3
History 126	History of Mexico	3
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 or History 119	U.S. History: Chicano/ Chicana Perspectives II	3
	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



Associate Degree
for Transfer™

ASSOCIATE IN ARTS IN THEATRE ARTS FOR TRANSFER (A.A.-T)

The Associate in Arts in Theatre Arts for Transfer (A.A.-T) degree will fulfill the mission of both Grossmont College and the community college system by providing a specific group of baccalaureate-level courses that will meet lower division degree requirements in the discipline and allow for seamless transfer to the California State University system to major in Theatre Arts or a related major.

The Program-level Student Learning Outcomes (PSLOs) below are outcomes that students will achieve after completing specific degree/certificate requirements in this program. Students will:

1. Develop an appreciation of learning and create a diverse aesthetic for Theatre and its place in culture and society.
2. Provide high quality, accessible theatrical productions at a reasonable cost for our students and the community at large.
3. Equip students with an understanding of the proper artistic conduct in all academic and professional environments.

The Associate in Arts in Theatre Arts 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. 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 should

speak with a counselor to verify that the requirements for this degree have been met. In addition, students planning to transfer to SDSU should consult with a counselor.

The Theatre Arts department is designed to provide academic knowledge and practical technical training in all aspects of theatre arts at the entry level. The curriculum provides the essential lower division courses necessary for transfer to similar programs at four-year institutions, as well as assisting students towards employment in the professional and community theatre.

The following requirements must be met to be awarded an Associate in Arts in Theatre Arts for Transfer (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.

Associate Degree in Theatre Arts for Transfer Major Requirements

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

Required Core

Subject & Number	Title	Units
Theatre Arts 110	Introduction to the Theatre	3
Theatre Arts 130	Acting I	3

Select (3 units maximum)

Theatre Arts 102ABCD	Theatre Production Practicum: Costumes I, II, III, IV	2
Theatre Arts 103ABCD	Theatre Production Practicum: Sets I, II, III, IV	2
Theatre Arts 104ABCD	Theatre Production Practicum: Lighting & Sound I, II, III, IV	2
Theatre Arts 111ABCD	Rehearsal and Performance: Acting I, II, III, IV	2
Theatre Arts 112ABCD	Rehearsal and Performance: Stage Management I, II, III, IV	2
Theatre Arts 122ABCD	Theatre Workshop Laboratory: Acting I, II, III, IV	1
Theatre Arts 123ABCD	Theatre Workshop Laboratory: Construction I, II, III, IV	1
	Total	9

List A: Select NINE (9) units from the following courses:

Theatre Arts 101	Introduction to Narrative Theory	3
Theatre Arts 131	Acting II	3
Theatre Arts 134A	Fundamentals of Costume Design and Construction	3
Theatre Arts 155	Stagecrafts	3
Theatre Arts 156	Fundamentals of Scenic Design	3
Theatre Arts 157	Fundamentals of Stage Lighting and Sound	3

or

Select from the required core courses not already used (3 units maximum)

Theatre Arts 102ABCD	Theatre Production Practicum: Costumes I, II, III, IV	2
Theatre Arts 103ABCD	Theatre Production Practicum: Sets I, II, III, IV	2
Theatre Arts 104ABCD	Theatre Production Practicum: Lighting & Sound I, II, III, IV	2
Theatre Arts 111ABCD	Rehearsal and Performance: Acting I, II, III, IV	2
Theatre Arts 112ABCD	Rehearsal and Performance: Stage Management I, II, III, IV	2
Theatre Arts 122ABCD	Theatre Workshop Laboratory: Acting I, II, III, IV	1
Theatre Arts 123ABCD	Theatre Workshop Laboratory: Construction I, II, III, IV	1
	Total	9
	Units for the major	18
	Units for CSU GE or IGETC –CSU GE	37-39
	Total units required for the degree	60

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

<http://www.grossmont.edu/student-services/offices-and-services/careercenter/resources/default.aspx>

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 its 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	Acting I	3
Theatre Arts 134 A 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	17

Select ONE (1) of the following courses:

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	Acting II	3
Theatre Arts 207 or 208	Techniques of Directing I or II	3
Theatre Arts 230	Acting III	3
or		
Theatre Arts 132	Acting for the Camera	(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	27-28
	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:

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
	Total Required	26-28

Plus General Education and Elective Requirements

Certificate of Achievement

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

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

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 Web Site: www.grossmont.edu/articulation for current articulation of courses required for transfer majors.

Students who intend to transfer must complete a minimum of 36-39 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).
7. CSU STEM is not applicable to a University Studies Degree.

OR

II. Intersegmental General Education Transfer Curriculum (IGETC) for CSU or UC

1. Complete IGETC Certification (see Transfer Information and Degree Requirements in college catalog).
2. Earn a grade of "C" or higher 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).
7. IGETC STEM is not applicable to a University Studies Degree.

AND

III. Area of Emphasis

Select **one** 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. ES 001, 002, 003, 004A, 004B, 004C, 005A, 005B, 005C, 006A, 006B, 006C, 007A, 007B, 007C, 008A, 008B, 008C, 009A, 009B, 009C, 017A, 017B, 017C, 021A, 021B, 021C, 023A, 023B, 023C, 024A, 024B, 024C, 026, 027A, 027B, 027C, 028A, 028B, 028C, 029, 037A, 037B, 037C, 039, 040A, 040B, 040C, 041, 043A, 043B, 043C, 044A, 044B, 044C, 060A, 060B, 060C, 076A, 076B, 076C, 130A, 130B, 130C, 155A, 155B, 155C, 170A, 170B, 170C, 171A, 171B, 171C, 172A, 172B, 172C, 175A, 175B, 175C, 176A, 176B, 176C, 180, 185A, 185B, 185C

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.

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

Business

BUS 110, 120, 121, 125, 128*, 158*, 160*

Economics

ECON 110, 120, 121, 261

Electives

CSIS 110

ECON 215

LIR 110*

MATH 160, 175, 178, 180, 280, 281

*Non-UC transferable course

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, 126*, 128, 135, 136, 137, 144, 145
MCOM 110, 111, 112*, 116*, 117*, 118*, 120

Language Arts

ARBC 120, 121, 122, 123, 148, 220, 221, 250, 251

ASL 120, 121, 140, 220, 221

CHIN 120, 121, 220, 221, 250, 251

ENGL 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, 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 127, 135, 145, 236, 237, 238

ENGL 122, 201, 215, 217, 218, 219, 221, 222, 225, 226, 227, 228, 231, 232, 236, 237, 238

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, 148

HUM 110, 120, 125, 130, 135, 140, 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, 141, 145, 150, 155, 160*

RELG 120, 130, 140, 150, 170

RUSS 120, 121, 220, 221, 250, 251

SPAN 120, 121, 122, 123, 141, 145*, 220, 221, 250, 251

Fine Arts

ART 100, 104*, 106, 119, 120, 121, 124, 125, 126, 127, 128, 129, 130, 131*, 132*, 133*, 140, 141, 142, 143, 145, 146, 147, 172, 189, 210, 221, 222

CCS 126, 134

DANC 068, 071AB, 072AB, 080A-D, 081A-D, 082AB,

084A-D, 088A-D, 094A-D, 099ABC, 110, 120*, 205, 206

MUS 101, 102, 105, 106, 110, 111, 114, 115, 116, 117, 123,

124, 125, 126, 127, 128, 129, 130, 132, 133, 134, 135, 138,

139, 140*, 141*, 148, 149, 150, 151, 152, 153, 154, 155, 156,

157, 160*, 164, 165, 166, 167, 168, 169, 170, 171, 180, 181,

189, 190, 191, 201, 202, 203, 204, 205, 206, 210, 211, 212,

213, 224, 226, 232, 233, 238, 239, 240, 241*, 248, 249, 250,

251, 252, 253, 254, 255, 256, 257, 264, 265, 266, 267, 268,

269, 270, 271, 290, 291

PHOT 150, 151, 152*, 154

THTR 101, 102A, 103A, 104A, 110, 111A, 111B, 111C,

111D, 112A, 112B, 112C, 112D, 113A, 113B, 113C, 113D,

115, 119A, 119B, 122A, 122B, 122C, 122D, 123A, 123B,

123C, 123D, 124A, 124B, 124C, 124D, 130, 131, 134A, 134B,

136, 137, 143, 144, 145, 146, 147, 148, 155, 156, 157, 205,

207, 208, 230, 234A, 234B, 235A, 235B, 254A, 254B

*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 MATHEMATICS, 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

PSC 120

PSY 215

SOC 215

Natural Science

ANTH 130, 131
 ASTR 110, 112, 120
 BIO 105, 110, 112, 114, 118, 120, 140, 141, 141L, 144, 145,
 152, 230, 240
 CHEM 102, 110, 113, 115, 116, 117, 120, 141, 142, 231, 232,
 241, 241L, 242, 242L
 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, 240*, 250* 251*, 255*, 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
 COMM 144
 CCS 114, 115, 116, 118, 119, 125, 128, 130, 131, 132, 133,
 135, 143, 144, 145, 154, 155, 180, 181
 ECON 110, 120, 121, 261
 GEOG 100, 101, 106, 130, 170
 HIST 100, 101, 103, 105, 106, 108, 109, 113, 114, 115, 118,
 119, 122, 123, 124, 126, 130, 131, 136, 137, 148, 154, 155,
 180, 181
 POSC 120, 121, 124, 130, 140, 150, 155, 160
 SOC 114, 150*
 SPAN 145*

Behavioral Sciences

ANTH 120, 122, 127, 140
 CCS 125
 CD 115, 125, 131, 145
 COMM 124, 128
 COUN 120
 ED 200
 FS 115, 120
 HED 120, 201
 NUTR 155, 158*, 159, 205*, 255
 PSY 120, 125, 132, 134, 138, 140, 150, 170, 180, 211, 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.**

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 SERVICES

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, Nutrition, 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 299Bs). Courses listed in sequence punctuated by hyphens, unless otherwise indicated, must be taken in order of listing.

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

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

PREREQUISITES, COREQUISITES AND ADVISORIES ON RECOMMENDED PREPARATION

See page 40.

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 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 199s.

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.

ZERO TEXTBOOK COST (ZTC)



Zero Textbook Cost sections, designated as "ZTC" in the class schedule, do not require students to purchase a textbook. These sections may have recommended (but not required) books, or may use free, openly licensed teaching and learning resources, such as Open Educational Resources (OER). ZTC sections may have a material fee such as lab supplies, calculator, test forms, etc. but no conventional textbook fees.

OPEN EDUCATIONAL RESOURCES (OER)

Open Educational Resources are teaching, learning, and research resources that reside in the public domain or have been released under an open license. OER are legally available and free of cost to students. Class sections using OER with no textbook costs are designated as "ZTC" in the class schedule.

ONLINE EDUCATION

Online education at Grossmont College, encompassing technologies, services, resources, programs, classes, and teaching/learning experiences that are mediated at least partially through the Internet.

Distance education is a more specific term and is important for accreditation and compliance with state and federal regulations. Grossmont's administrative procedure on distance education, AP 4105, defines distance education (DE) in accordance with federal statute as "instruction in which the instructor and student are separated by distance and interact through the assistance of communication technology." It is important to note that the distinguishing characteristic of DE as opposed to correspondence education is regular and substantive interaction between instructor and students, or in the language of California's Title 5, regular effective contact opposed to correspondence education is regular and substantive interaction between instructor and students, or in the language of California's Title 5, regular effective contact.

1. Distance education classes are defined, in accordance with California Community College and ACCJC procedures for data reporting and disaggregation, as course sections in which over half of the instructional time is structured as DE.
2. Distance education programs, in accordance with ACCJC procedures, are those in which half or more of the required courses have been approved to be offered via distance education through the college curriculum process.
3. Hybrid classes are those in which the instructional time is conducted partially online and partially in-person. All hybrid classes are required to comply with AP 4105 for the portions of the course that are conducted via distance education.

ADMINISTRATION OF JUSTICE (AOJ)

ADMINISTRATION OF JUSTICE 101 A-B-C-D † Firearms for PC 832 Laws of Arrest

.5 unit, .5 hour lecture, 1 hour laboratory
Prerequisite: Students must not have any felony or domestic violence convictions and must meet state and federal requirements for possessing a firearm.

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 102 A-B † PC 832 Laws of Arrest (40 hours)

1.5 units, 1.875 hours lecture, .625 hours laboratory

Meets the basic requirements of Penal Code Section 832, Laws of Arrest, as required by P.O.S.T. Recommended for those with current employment in a position requiring powers of arrest. This may include search and rescue, lifeguards, animal control, probation officers and allows for some limited support duties by Level III Reserves. AOJ 102 is offered in a 40 hour intensive format. There is no firearm instruction in this course. This course is offered on a Pass/No Pass basis only.

The following applies to Police Academy courses, AOJ 103, 104: There are three levels of law enforcement training, Module III, Module II, and Module I. Each has a specific curriculum designed to correlate with the actual duties Reserve and Regular Police Officers perform. Grossmont College does not offer Module I at this time. After completing Module II at Grossmont College, those seeking Module I certification must transfer to a college that offers Module 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.

† This course meets all Title 5 standards for Associate Degree Credit.

**ADMINISTRATION OF JUSTICE
103 A-B-C-D †
Police Academy (Module III)**

6.5 units, 5.9 hours lecture, 4.3 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.

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 (Module II)**

9.5 units, 7.88 hours lecture, 6.25 hours laboratory

Prerequisite: A "Pass" grade in AOJ 103A-B-C-D or equivalent. Students must not have any felony or domestic violence misdemeanor convictions and must meet state and federal government requirements for possession of a firearm.

Topics include report writing, laws of arrest, firearms, search and seizure, cultural awareness, and weapons violations. Meets P.O.S.T. Module II requirements and allows Reserve Police Officers to perform more law enforcement related duties than Level III Reserve Police Officers. Successful completion of Modules III and II may qualify the student for entry into a P.O.S.T. –certified Module I program. Students may repeat this course every three years because certification expires unless one is appointed as an officer. This course is offered on a Pass/No Pass basis only.

**ADMINISTRATION OF JUSTICE 107 †
Corrections Academy**

11.5 units, 10 hours lecture, 4.6 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 State and Community Corrections, Standards and Training for Corrections (STC) for entry-level adult corrections officers. This course is offered on a Pass/No Pass basis only.

**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 D; CSU D; IGETC 4
Transfers to: CSU, UC

**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 unit, 1 hour lecture

A course designed to assist the student in preparing for civil service exams related to public safety. This course is recommended for students who are interested in a career in Forensics, Law Enforcement or other Public Safety related careers and is offered on a Pass/No Pass basis only.

**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, including various types of alternatives, and the impact on the Criminal Justice System. A critical examination of the types of correctional institutions and the clients housed in each institution.

Transfers to CSU

**ADMINISTRATION OF JUSTICE 140 †
Inmate Psychology and
Supervision**

3 units, 3 hours lecture

This course is an overview of the psychological aspects of inmate supervision in local, state and federal correctional institutions as well as the techniques in counseling and interviewing. The student will learn confidence-building techniques and theories to properly assess and react to the institutional daily living and crisis situations. The course will emphasize

† This course meets all Title 5 standards for Associate Degree Credit.

the roles played by the inmate and the correctional worker.

Transfers to CSU

ADMINISTRATION OF JUSTICE 143 † Gangs and Law Enforcement

3 units, 3 hours lecture

This course is designed to provide students with a base of knowledge as it relates to the impact of gangs in both correctional and community settings. It includes a review of the types of gangs, history, and criminal activities associated with gangs.

Transfers to CSU

ADMINISTRATION OF JUSTICE 144 † Probation and Parole

3 units, 3 hours lecture

This course is a survey of the role of probation and parole in today's criminal justice system and includes theoretical concerns and case law effects in probation and parole supervision. A review and evaluation of community-based corrections and analysis of the diverse roles of the probation officer and parole agent.

Transfers to: CSU, UC

ADMINISTRATION OF JUSTICE 148 † Fingerprint Identification

3 units, 2 hours lecture, 3 hours laboratory.

Prerequisite: A "C" grade or higher or "Pass" in AOJ 110 or equivalent or concurrent enrollment in AOJ 110.

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: A "C" grade or higher or "Pass" in AOJ 110 or concurrent enrollment in AOJ 110.

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

ADMINISTRATION OF JUSTICE 155 † Digital Investigations

3 units, 3 hours lecture

This course provides an introduction to the forensic analysis of digital devices (most commonly used cell phones, smart phones, tablets, computers) and focuses on the procedures, policies, and technology utilized in digital evidence recovery. Emphasis is placed on the analysis of digital evidence for use during criminal or civil investigations. This course also prepares students with knowledge in investigative principles and applicable case law that is applicable to both civil and criminal investigations.

Transfers to CSU

ADMINISTRATION OF JUSTICE 158 † Public Safety Dispatcher

7 units, 7 hours lecture, .5 hours laboratory

Methods and operation of law enforcement and public safety communications. The course will include federal communications regulations, data retrieval systems, and applications in communications. Students will be analyzing data to determine priorities for making decisions under stress. This course is offered on a Pass/No Pass basis only

Transfers to CSU

ADMINISTRATION OF JUSTICE 171 A-B-C-D † Basic Security Academy

3 units, 3 hours lecture

The criminal justice system and the role of the security sector: the law and procedures relative to arrest, search and seizure, interrogation, custody, civil liability, and the moral, legal and ethical use of force for security personnel. Emphasis is placed on security operations, emergency procedures, public relations, report writing, CPR/first aid, AED techniques, preparation for employment, and career opportunities in contract as well as proprietary security services. Satisfies California Department of Consumer Affairs, Bureau of Security and Investigative Services, licensing requirements for guard registration (guard card) for security officers. This course is offered on a Pass/No Pass basis only.

Transfers to CSU

ADMINISTRATION OF JUSTICE 172 A-B-C-D † Advanced Security Academy

2 units, 2.25 hours lecture, .75 hours laboratory

Prerequisite: A "Pass" grade in Administration of Justice 171 A-B-C-D or equivalent, or work experience as a California State Certified Security Guard and current CA Bureau of Security and Investigative Services (BSIS) guard card.

The role of the security officer with emphasis placed on the laws and liability of school security operations including disaster and emergency procedures. The course will include student conflict resolution and behavioral analysis, first aid, baton, defensive tactics, handcuffing, and chemical reagent use. Satisfies California Department of Consumer Affairs, Bureau of Security and Investigative Services, licensing requirements for baton permits for security officers. This course is offered on a Pass/No Pass basis only.

Transfers to CSU

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

This course assesses the legal issues that affect security officers and security management. Emphasis is placed on laws of arrest, search and seizure, detention, interrogation, and use of force. This course will also cover civil liability, property and privacy rights, and security management policy consideration.

Transfers to CSU

† This course meets all Title 5 standards for Associate Degree Credit.

**ADMINISTRATION OF JUSTICE 202 †
Criminal Evidence***3 units, 3 hours lecture*

Recommended Preparation: A "C" grade or higher in AOJ 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 †
Leadership in Criminal Justice***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, 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**120 volunteer hours or 150 paid hours*

Prerequisite: A "C" grade or higher or "Pass" in AOJ 110 or equivalent.

Work experience as a sworn, reserve or volunteer person with a local public or private agency. For work experience requirements, see page 45.

Transfers to CSU

**ADMINISTRATION OF JUSTICE 218 †
Crime Scene Technology***4 units, 3 hours lecture, 3 hours laboratory*

Prerequisite: A "C" grade or higher in AOJ 150 or equivalent.

Recommended Preparation: A "C" grade or higher in AOJ 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 a crime scene and evidence. 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 †
Forensic Analysis***4 units, 3 hours lecture, 3 hours laboratory*

Prerequisite: A "C" grade or higher in AOJ 218 or equivalent.

This course will examine the scientific method as it applies to the collection, processing and analysis of physical evidence associated with crime scenes. Lectures and labs will be utilized to explore techniques and theories related to collecting, processing and analyzing trace evidence, bloodstain patterns, footwear/tire impressions, firearms, ballistics, questioned documents, toxicology and serology.

Transfers to CSU

**ADMINISTRATION OF JUSTICE 224-225 †
Forensic Public Service Internship***2 units, 10 hours work experience per week**120 volunteer hours or 150 paid hours*

Prerequisite: A "C" grade or higher or "Pass" in AOJ 148 and 150 or equivalent.

Forensic work experience as a sworn, reserve or volunteer person with a local public or private agency. For work experience requirements, see page 45.

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 AOJ 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

† This course meets all Title 5 standards for Associate Degree Credit.

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, or AOJ students with 18 units in Administration of Justice coursework.

A basic introductory course designed for peace officers or paraprofessionals in a related field, who have completed their probationary period and are required to update their knowledge of current laws and procedures. Topics may include, but are not limited to: illegal substances, auto theft, gangs, telecommunications update, homeland security, blood spatter interpretation, forensic photography, CAD (computer aided design), leadership and ethics, digital imaging, crime scene investigation, field evidence technology, report writing, and physical training. This course is offered as a Pass/No Pass basis only.

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, or AOJ students with 18 units in Administration of Justice coursework.

A basic introductory course designed for peace officers or paraprofessionals in a related field, who have completed their probationary period and are required to update their knowledge of current laws and procedures. Topics may include, but are not limited to: illegal substances, auto theft, gangs, telecommunications update, homeland security, blood spatter interpretation, forensic photography, CAD (computer aided design), leadership and ethics, digital imaging, crime scene investigation, field evidence technology, report writing, and physical training. This course is offered as a Pass/No Pass basis only.

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, or AOJ students with 18 units in Administration of Justice coursework.

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 AOJ 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, 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 AOJ 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

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

ADMINISTRATION OF JUSTICE 264 † Terrorism and Homeland Security

3 unit, 3 hours lecture

This course is an introduction to global and domestic terrorism, and the homeland security response of the United States government and local agencies. Also examined is how international and domestic terrorist groups affect the U.S. to include their history, ideological beliefs, motivation, funding, and methods of operation. The effort of the U.S. military, intelligence, and law enforcement to combat terrorism will be examined as well as how effective the response has been and what impact it's had on civil liberties and homeland security.

Transfers to CSU

ADMINISTRATION OF JUSTICE 271 † Action Planning for Ethical Leadership

1.5 units, 1.5 hours lecture

This is a twenty-four hour course, designed for all sworn and civilian law enforcement personnel to provide a forum for them to explore and address self-identified contemporary leadership and ethical issues. The purpose of this course is to build on basic and advanced leadership, management and ethical courses to enhance personal and professional growth in ethics and leadership. This course will concentrate on learner-identified issues pertinent to each learner's experience and organization. The learners will work in small groups to create a prioritized list of leadership and ethical challenges and competencies facing their organizations and law enforcement in general. Learners will assess their leadership styles and competencies, and assist in determining the content for the course. The learners will research identified issues, and develop action plans to address those issues. Each learner and small group will be required to create action plans and present a portion of their plans to the larger learning group. This course is offered on a Pass/No Pass basis only.

Transfers to CSU

† This course meets all Title 5 standards for Associate Degree Credit.

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 C; CSU C2; IGETC 6A

Transfers to: CSU, UC

AMERICAN SIGN LANGUAGE 121 † American Sign Language II

4 units, 4 hours lecture

Prerequisite: A "C" grade or higher or "Pass" in ASL 120 or equivalent.

This course is a continuation of American Sign Language 120. Students will increase their knowledge of ASL, the Deaf community, and the deaf culture. Students will develop conversational skills by learning to use grammar functions that increase fluency. Complex narratives will be used to expand vocabulary and apply linguistic features of ASL. This course will provide an opportunity for students to improve and enhance their ability to communicate in American Sign Language.

Satisfies General Education for: Grossmont College C; CSU C2; IGETC 3B, 6A

Transfers to: CSU, UC

AMERICAN SIGN LANGUAGE 130 † American Sign Language: Fingerspelling

3 units, 3 hours lecture

Prerequisite: A "C" grade or higher or "Pass" in ASL 120 or equivalent ability to sign.

This course is taught using American Sign Language. The manual alphabet of fingerspelling and its use within native signers is introduced. The emphasis is placed on learning decoding strategies using a cognitive science approach. Upon completion of this course, students will demonstrate increased ability to accurately produce and comprehend fingerspelling and number systems when they appear in narratives. Extensive practice of cognitive approaches for both receptive and expressive use will be applied. This is the first course in a two sequence series.

Transfers to: CSU, UC

AMERICAN SIGN LANGUAGE 131 † American Sign Language: Fingerspelling II

3 units, 3 hours lecture

Prerequisite: A "C" grade or higher or "Pass" in American Sign Language 130 or equivalent or one year of high school American Sign Language fingerspelling or equivalent.

This course is a continuation of American Sign Language 130 using fingerspelling skills at an intermediate to advanced level. Students will increase their ability to produce and comprehend fingerspelling and number systems at an intermediate level and beyond. Expressive skills will focus on "Rapid," "Careful," and "Lexicalized" types of fingerspelling as well as shortcuts at near-native fluency rates. Receptive skills will focus on comprehension of fingerspelling at near-native fluency rates.

Transfers to: CSU, UC

AMERICAN SIGN LANGUAGE 140 † Inside Deaf Culture

3 units, 3 hours lecture

This course will introduce students to the unique aspects of the Deaf culture. Students will examine political and social issues, past and present trends, historical perspectives, and distinguish the community from the culture. The unique structure of sign language and its linguistic components will also be studied. Students will be introduced to the dynamics of families when there are both hearing and Deaf family members and how hearing and Deaf cultures impact the family unit. The cultural values and behaviors unique to Deaf people will also be explored through their heritage, literature, and Deaf artists.

Satisfies General Education for: Grossmont College C; CSU C2; IGETC 3B

Transfers to: CSU, UC

AMERICAN SIGN LANGUAGE 220 † American Sign Language III

4 units, 4 hours lecture

Prerequisite: A "C" grade or higher or "Pass" in ASL 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 C; 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 ASL 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 C, CSU C2; IGETC 3B, 6A

Transfers to: CSU, UC

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 ASL 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 C

Transfers to: CSU

ANTHROPOLOGY (ANTH)

ANTHROPOLOGY 120 † Cultural Anthropology

3 units, 3 hours lecture

An introduction to the study of cultural aspects of humans. The course explores human diversity through comparative, cross-cultural study of subsistence practices, economics, language, social organization, political structure, religion, and social identity including gender, class and ethnicity. Theories and methods used by anthropologists to study culture are presented.

Satisfies General Education for: Grossmont College D; CSU D; IGETC 4

Transfers to: CSU, UC

† This course meets all Title 5 standards for Associate Degree Credit.



ANTHROPOLOGY 122 † **Anthropology of Magic, Witchcraft, and Religion**

3 units, 3 hours lecture

This course examines magic and religion from a cross-cultural perspective. Emphasis is placed on understanding supernatural beliefs, practices, and rituals in their social contexts including societies in Africa, Oceania, the Americas, Asia, and elsewhere. Anthropological theories of magic and religion are explored.

Satisfies General Education for: Grossmont College D; CSU D; IGETC 4
Transfers to CSU, UC

ANTHROPOLOGY 127 † **Cultures of Latin America**

3 units, 3 hours lecture

This course focuses on the ethnographic study of Latin American cultures. Students learn how various Latin American nation-states emerged and changed from the pre-Colombian period to today. Specific topics may include: colonialism, revolution, social movements, race, ethnicity, indigenous peoples, inequality, gender, health, religion, globalization, and popular culture. Throughout, we consider similarities and differences among the cultures of Latin America.

Satisfies General Education for: Grossmont College D; CSU D; IGETC 4
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 ANTH 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 D; CSU D; IGETC 4
Transfers to: CSU, UC

ANTHROPOLOGY 215 † **(Psychology 215, Sociology 215)** **Statistics for the Behavioral Sciences**

4 units, 3.5 hours lecture, 1.5 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 54)

ARABIC (ARBC)

ARABIC 120 † **Arabic I**

5 units, 5 hours lecture

An introductory course to the Arabic language and the cultures of its speakers. This course is designed for students with very little or no knowledge of Arabic. It facilitates the practical application of the language in everyday oral and written communication at the beginning level. Since the focus will be on basic communication skills, the class will be conducted in Arabic as much as possible. Students will learn structures that will enable them to function in Arabic in everyday contexts while becoming familiar with the Arabic speaking world.

Satisfies General Education for: Grossmont College C; CSU C2; IGETC 6A
Transfers to: CSU, UC

† This course meets all Title 5 standards for Associate Degree Credit.

**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.

This second course will continue to develop oral skills based on practical everyday needs and written skills based on the formal communication on practical everyday needs. Students with three years of high school Arabic should enroll in Arabic 220.

Satisfies General Education for: Grossmont College C; CSU C2; IGETC 3B, 6A
Transfers to: CSU, UC

**ARABIC 122 †
Arabic for the Arabic 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, translation, reading comprehension, and vocabulary building at the intermediate level in a cultural and linguistic context. Exposure to the diversity within the cultures of the Arabic-speaking world. The students will also gain skills which will help them translate sentences accurately while preserving their integrity and their meaning.

Satisfies General Education for: Grossmont College C; CSU C2; IGETC 6A
Transfers to: CSU, UC

**ARABIC 123 †
Arabic for the Arabic 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 the bilingual Arabic-speaking students further improve their oral and written communication skills. In addition, it provides the bilingual speaker with the linguistic and learning skills required for successfully completing upper division courses in Arabic. This course will be beneficial to students interested in gaining proficiency in translation skills needed for employment as bilingual interpreters.

Satisfies General Education for: Grossmont College C; CSU C2; IGETC 3B, 6A
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 C; CSU C2; IGETC 3B
Transfers to: CSU, UC

**ARABIC 161 †
Basic Arabic for Healthcare
Professionals**

1 unit, 1 hour lecture

A course leading to basic medical communication and interaction in Arabic. The course provides the healthcare professionals with elementary oral skills and exploration of Arabic culture to facilitate communication with Arabic-speaking patients.

Transfers to CSU

**ARABIC 196 †
Community Service Learning
Experience**1 unit, 5 hours work experience per week
60 volunteer hours or 75 paid hours

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 45.

Transfers to CSU

**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.

This third course will emphasize a higher level application of the language in oral, listening, reading and writing in order to acquire proficiency in Arabic while further becoming familiar with the Arabic speaking world. Students with four years of high school Arabic should enroll in Arabic 221.

Satisfies General Education for: Grossmont College C; CSU C2; IGETC 3B, 6A
Transfers to: CSU, UC

**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.

This fourth course will continue to develop, at an increasingly complex level, the practical application of the Arabic language. The course will focus on the oral, reading, writing and listening skills as well as cultural awareness in order to obtain advanced proficiency in Arabic while further becoming familiar with the Arabic speaking world.

Satisfies General Education for: Grossmont College C; CSU C2; IGETC 3B, 6A
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 122 or 123 or 220 or 221 or three years of high school Arabic or equivalent.

This course focuses on intermediate level conversation development with vocabulary building and improvement of speaking proficiency in the context of Arabic culture. Conversations in the Egyptian dialect are based on everyday situations and cultural events.

Satisfies General Education for: Grossmont College C; CSU C2; IGETC 6A
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.

This course continues to focus and expand on intermediate level conversation development with more complex and varied vocabulary building and improvement of speaking proficiency in the context of Arabic-speaking culture. Conversations on Egyptian dialect are based on current and cultural events.

Satisfies General Education for: Grossmont College C; CSU C2; IGETC 6A
Transfers to: CSU, UC

ART (ART)

Unless specifically required by a transfer institution for preparation for an Art major, students are limited to four enrollments in any combination of courses related in content (families). Students intending to major in Art at a California State University or University of California campus that requires more than the limit should see a counselor. Refer to pages 37-39 to see “Limitations on Enrollment” for specific groups of families in art.

† This course meets all Title 5 standards for Associate Degree Credit.

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 C; CSU C1; IGETC 3A

Transfers to: CSU, UC

ART 104 † **Artists and Designers Today**

3 units, 3 hours lecture

This course examines the wide variety of formats that contemporary artists work in today. It is an overview of current practices and enables students to gain insight into art, design, craft and new genre disciplines, including but not limited to painting, sculpture, graphic design, interior design, industrial design, furniture design, photography, fibers, ceramics, metalwork, installation, performance, street art and multimedia. Students will be introduced to ways in which visual culture is contextualized, theorized, and displayed through curatorial studies as well as social media. Students will be exposed to course content through lecture, visiting artists talks, readings, and visits to local galleries and museums. This course is designed for students beginning the study of art and/or related disciplines.

Transfers to CSU

ART 106 † **Introduction to Mural Painting and Design**

3 units, 2 hours lecture, 4 hours laboratory

Recommended Preparation: A "C" grade or higher or "Pass" in Art 120 or Art 124.

This course explores the cultural history of mural painting as well as the social and political issues related to the creation and public reception of mural paintings. Several aspects and methods used in the production of public art works will be covered. Issues examined will include proposal, design, budget, procuring materials, safety concerns, and installation. Students will implement artistic skills, techniques and concepts to design and produce works collaboratively and consider the importance of the community in the mural-making process.

Transfers to CSU, UC

ART 119 † **Color Theory**

3 units, 2 hours lecture, 4 hours laboratory

A star of visual expression, color is both physical and psychological. This course will explore the principles, theories, and applications of additive and subtractive color in two dimensions. Topics will include major historical and contemporary color systems, production of projects in applied color, and the elements of design as they apply to the optical perception of color.

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. Development of the fundamentals needed for creative expression in visual composition and design.

Satisfies General Education for: Grossmont College C; CSU C1, IGETC 3A

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 Art 124 or equivalent.

Introduction to principles, elements, and practices of painting. Emphasizes painting tools, materials, techniques and color theory as well as creative responses to subject matter. Students will develop skill in handling form, space, and plastic aspects of acrylic and/or oil paints as well as examine painting as a vehicle for social, political, and cultural expression.

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. Focus on perceptually based drawing, observational skills, technical abilities, and creative responses to materials and subject matter.

Satisfies General Education for: Grossmont College C

Transfers to: CSU, UC

ART 125 † **Drawing II**

3 units, 2 hours lecture, 4 hours laboratory

Prerequisite: A "C" grade or higher or "Pass" in Art 124 or equivalent.

Drawing II stresses the media techniques and craftsmanship of both traditional and contemporary drawing. There will be a greater analysis and emphasis on the expressive possibilities of drawing as well as its aesthetic component. Exploration of conceptual and stylistic developments of drawing as a vehicle for social and cultural expression.

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 C; CSU C1

Transfers to: CSU, UC

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

† This course meets all Title 5 standards for Associate Degree Credit.

**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 studied along with how social, political and cultural beliefs have influenced artists and design professionals. Assignments in this course are non-technical and do not require prior knowledge of tools and equipment. Three-dimensional design is a comprehensive introductory course that could lead to future study in a diverse range of art and design professions.

Satisfies General Education for: Grossmont College C

Transfers to: CSU, UC

**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 C, 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 metalsmithing and advanced casting 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 †
Survey of Western Art I:
Prehistory Through Middle Ages**

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, Ancient Egypt, the Aegean, Ancient Greece, Etruscan, and Roman times; Early Christian, Byzantine, Islamic, and Early Medieval periods; Romanesque; and Gothic. *Satisfies General Education for:* Grossmont College C; CSU C1; IGETC 3A

Transfers to: CSU, UC

**ART 141 †
Survey of Western Art II:
Renaissance Through Modern**

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 C; 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 C; CSU C1; IGETC 3A

Transfers to: CSU, UC

† This course meets all Title 5 standards for Associate Degree Credit.

**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: Impressionism, Post-Impressionism, Symbolism, Art Nouveau, Fauvism, Cubism, Non-Objectivity, Expressionism, Dada, Surrealism, Post WWII art forms in Europe and America through Pop Art and Conceptual Art. *Satisfies General Education for: Grossmont College C; CSU C1; IGETC 3A*
Transfers to: CSU, UC

**ART 145 †
Contemporary Art***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 explores themes of: personal and group identity; gender and sexual identity; national identity; political and social commentary; public funding of controversial art; representation, abstraction, and site-specific art and architecture, Appropriation and New Media, and global and local art movements collectively called Contemporary Art. *Satisfies General Education for: Grossmont College C; 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 Asia from prehistory to modern times with an emphasis on content, context, and style. This course covers subject matter, function, iconography, patronage, artistic methods and influences, and social and cultural contexts of artworks and monuments. This course includes art from: the Indus Valley, Early Buddhist and Hindu Art in Ancient India, later Indian art including Mughal, Neolithic through early Imperial China, Northern Wei through Tang dynasties, later China through contemporary era, Korea, archeological Japan through Heian, and later Japan through contemporary era. *Satisfies General Education for: Grossmont College C; 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 with an emphasis on content, context, and style. This course covers subject matter, function, iconography, patronage, artistic methods and influences, and social and cultural contexts of artworks and monuments. This course includes art from the following topics: Colonial art before and after the American Revolution; painting, sculpture, and architecture as emblems for national identity and class; themes of race, freedom, and war in art; images of the working class and domestic culture; industrialization and its influence on modernism in art. *Satisfies General Education for: Grossmont College C; 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 and processes 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 technology as artistic tools in a variety of mediums including 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 C*
Transfers to: CSU, UC

**ART 172 †
Web and Portfolio Design***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 interactive responsive design. Students will engage in projects that incorporate a variety of digital media and emerging technology strategies, including lens-based, time-based, on-screen, sound and physical computing and interactive environments within the contexts of art, business and marketing, design, and interactivity for the web. Students are introduced to authoring techniques and

technologies as they learn how to create and develop a portfolio of projects in which interactivity and web design are the focus.
Transfers to: CSU, UC

**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

**ART 184 †
Introduction to 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, this course will emphasize such classical

† This course meets all Title 5 standards for Associate Degree Credit.

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 †

(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 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 C

Transfers to: CSU, UC (credit limited: see page 54)

ART 210 † **Introduction to Printmaking**

3 units, 2 hours lecture, 4 hours laboratory

Recommended Preparation: A "C" grade or higher or "Pass" in Art 120 or Art 124

This course is an introduction to the basic materials, equipment, and processes of printmaking, including relief (linocut and woodcut), intaglio (drypoint and collagraph), planography (monotype), and stencil (screen print). Topics will include major historical and contemporary cultural movements in printmaking, color and design applications, as well as creative responses to materials and subject matter.

Transfers to CSU, UC

ART 220 † **Painting II**

3 units, 2 hours lecture, 4 hours laboratory

Prerequisite: A "C" grade or higher or "Pass" in Art 121.

Continuation of Painting I with emphasis on stylistic analysis and development of personal expression.

Transfers to: CSU, UC

ART 221 † **Painting III**

3 units, 2 hours lecture, 4 hours laboratory

Prerequisite: A "C" grade or higher or "Pass" in ART 220 or equivalent.

This advanced painting course offers a wider selection of painting mediums to include acrylic, oil, and encaustic. Topics will include major historical and contemporary cultural movements in painting, as well as creative responses to materials and subject matter. Students will continue developing a personal style of expression.

Transfers to CSU, UC

ART 222 † **Painting IV**

3 units, 2 hours lecture, 4 hours laboratory

Prerequisite: A "C" grade or higher or "Pass" in ART 221 or equivalent.

This advanced painting course focuses on a series of paintings that develop a personal theme or statement. Advanced painting techniques will be combined with complex compositional devices. Students will create an extensive art portfolio.

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

† This course meets all Title 5 standards for Associate Degree Credit.

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 † **Portraiture and Character Design**

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 face and body through portraiture and character design is the basis for drawings of both representational and expressive styles, using both analog and digital media. The student will study the human face by means of fundamental shapes, axes, and formal devices as guides for correct proportions and structured compositions. The student will learn the names of the various bones that make up the skull and the musculature of the human head. The students study facial expressions and caricature. Students will design their own characters based on unique scenarios and environments. The history of portraiture and character design will be examined as well as its aesthetic and cultural implications as a genre in society. The course examines how portraiture and character design may express ideas about power, status, stages of life, gender, and identity and considers the many functions of portraiture as works of art, design, 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

See Cross-Cultural Studies for Chicano/Chicana and Mexican Art (CCS 126) and Introduction to American Indian Art (CCS 134) on page 194.

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

† This course meets all Title 5 standards for Associate Degree Credit.

ASTRONOMY 112 † **General Astronomy Laboratory**

1 unit, 3 hours laboratory

Prerequisite: A "C" grade or higher or "Pass" or concurrent enrollment in ASTR 110 or ASTR 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

BIOLOGICAL SCIENCES (BIO)

BIOLOGY 105 † **Life in the Sea**

4 units, 3 hours lecture, 3 hours laboratory

Recommended Preparation: A "Pass" grade in MATH 090 and a "C" grade or higher or "Pass" in ENGL 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

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 ENGL 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 climate change, water shortage and pollution, energy shortages, air pollution, increasing human populations and wildlife conservation are integrated with political, economic and social implications. The student will consider alternate life styles as possible solutions to existing environmental problems, as well as other means of solving or dealing with these situations.

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.

Transfers to: CSU

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 the chemistry of biological systems, cell structure and function, the structure, function, and adaptation of organisms, and cellular genetics will be covered by utilizing the human species to develop an understanding of these processes. Related topics such as Mendelian and population genetics, human evolution, ecosystem structure and environmental problems related to human populations will be introduced.

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 MATH 090 or equivalent and a "C" grade or higher or "Pass" in ENGL 110 and CHEM 115 or equivalent.

This course covers the major principles in biology. Course content includes cell structure, metabolism, genetics, evolution, systematics and ecology. The laboratory component of this course will be a hands-on laboratory experience that uses a lecture and laboratory instruction format designed to reinforce and augment the student's understanding of the 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 54)

† This course meets all Title 5 standards for Associate Degree Credit.

BIOLOGY 132 † **Mammals of the Sea**

2 units, 2 hours lecture

Recommended Preparation: A "C" grade or higher or "Pass" in MATH 090 and ENGL 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 BIO 120 or equivalent. Only Nursing majors may fulfill the BIO 120 prerequisite with one year of high school biology with a lab.

A study of the structure of the systems of the human body, with emphasis divided between gross anatomy and the cellular detail (histology) of tissues. Cats or other suitable and available specimens are used as dissection specimens in the laboratory along with selected human organs and tissue slides including cadaver and computer demonstrations. The course meets the anatomy requirement for baccalaureate degrees in nursing, a variety of paramedical fields, including physical and occupational therapy, and exercise science majors.

Satisfies General Education for: Grossmont College B1; CSU B2; IGETC 5B

Transfers to: CSU, UC (credit limited: see page 54)

BIOLOGY 141 † **Human Physiology**

3 units, 3 hours lecture

Prerequisite: A "C" grade or higher or "Pass" in BIO 120 or equivalent. Only Nursing majors may fulfill the BIO 120 prerequisite with one year of high school biology with a lab.

Recommended Preparation: A "C" grade or higher or "Pass" in BIO 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 54)

BIOLOGY 141L † **Laboratory in Human Physiology**

1 unit, 3 hours laboratory

Prerequisite: A "C" grade or higher or "Pass" in BIO 141 or equivalent or concurrent enrollment in BIO 141 or equivalent.

Recommended Preparation: A "C" grade or higher or "Pass" in Biology 140 or equivalent.

A laboratory experience utilizing a lecture and laboratory instruction format, designed to reinforce and expand the student's understanding of basic physiological principles studied in Biology 141. Emphasis is on lab-based investigations of human physiological processes.

Satisfies General Education for: CSU B3; IGETC 5C

Transfer to: CSU, UC (credit limited: see page 54)

BIOLOGY 144 † **Anatomy and Physiology I**

4 units, 3 hours lecture, 3 hours laboratory

Prerequisite: A "C" grade or higher or "Pass" in BIO 120 or equivalent. Only Nursing majors may fulfill the BIO 120 prerequisite with one year of high school biology with a lab.

Study of the structure and functions of the following human systems: physiological chemistry, cell physiology tissues, bone, muscle, endocrine and nervous systems. Gross anatomy, micro-anatomy as well as 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. Cat or other suitable available specimens are used as dissected specimens in lab along with selected human organs and tissue slides, cadaver and computer demonstrations. This course, along with Biology 145, meets the anatomy and physiology requirements for associate degrees and bachelor degrees in nursing as well as degrees in a variety of related paramedical fields.

Satisfies General Education for: Grossmont College B1; CSU B2; IGETC 5B

Transfers to: CSU, UC (credit limited: see page 54)

BIOLOGY 145 † **Anatomy and Physiology II**

4 units, 3 hours lecture, 3 hours laboratory

Prerequisite: A "C" grade or higher or "Pass" in BIO 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. Cat or other suitable available specimens are used as dissected specimens along with selected human organs and tissue slides and computer demonstrations. This course, along with Biology 144, meets the anatomy and physiology requirements for associate degree, and baccalaureate degrees in nursing as well as degrees in a variety of other related paramedical fields from most institutions.

Satisfies General Education for: Grossmont College B1; CSU B2; IGETC 5B

Transfers to: CSU, UC (credit limited: see page 54)

BIOLOGY 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 BIO 110 or 120; or GEOG 120 or 121 or 140; or GEOL 110 or 111; or OCEA 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 54)

† This course meets all Title 5 standards for Associate Degree Credit.

Biology 152 † **Paramedical Microbiology**

5 units, 3 hours lecture, 6 hours laboratory
Prerequisite: A "C" grade or higher or "Pass" in BIO 120 or equivalent. Only Nursing majors may fulfill the BIO 120 prerequisite with one year of high school biology with a lab.
Recommended Preparation: 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, IGETC 5B
 Transfers to CSU, UC

Biology 215 † **Statistics for Life Sciences**

3 units, 2 hours lecture, 3 hours laboratory
Prerequisite: A "C" grade or higher or "Pass" in MATH 110 and BIO 120 or 230 or 240 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 54)

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 CHEM 141 or equivalent.

Recommended Preparation: A "C" grade or higher or "Pass" in BIO 120 and ENGL 110 or ESL 119 or equivalent.

This course surveys the general principles of biology at an advanced level. Emphasis is placed on the following topics: prokaryotic and eukaryotic, cellular processes including energy metabolism, membrane transport and cell cycle/cell division and molecular genetics along with recombinant DNA; Mendelian and Non-Mendelian genetics; communication between cells; and the

current models for cellular evolution. The course also includes laboratory exercises emphasizing the topics listed and the application of those topics to biotechnology. This course along with Biology 240 is the recommended Biology sequence for life science majors. It is suggested that students contact the anticipated transfer institution to ascertain specific transfer requirements for their major. 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 MATH 110 or equivalent.

Recommended Preparation: A "C" grade or higher or "Pass" in BIO 120 and ENGL 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 251 † **Human Dissection**

1 unit, 3 hours laboratory
Prerequisite: A "C" grade or higher or "Pass" in BIO 140 or equivalent.

This course provides the supervised study of human anatomy through dissection of a human cadaver. It is a course intended to enhance knowledge gained from a college-level Human

Anatomy course by observing and relating those organ systems learned to an actual human cadaver. Students will begin by identifying surface landmarks and relate them to successively deeper structures. Students will develop and refine dissecting skills use on human cadavers. Instruction of human anatomy at this level is intended to assist students pursuing careers in nursing and other allied health professions. This class has limited enrollment. Preregistration counseling with instructor is required. Transfers to CSU, UC

BUSINESS (BUS)

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 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

BUSINESS 115 † **Human Relations in Business**

3 units, 3 hours lecture
 Examines the human aspects of the organization with an emphasis on the role of the individual in the formal and informal structure of the organization. Learning styles, motivation theories, personality theories, communication, group dynamics, leadership, ethics and diversity within the organization will be covered.
 Transfers to CSU

† This course meets all Title 5 standards for Associate Degree Credit.

**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 BUS 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***BUSINESS 123 A-B-C-D †
Accounting Internship***2 units, 10 hours work experience per week
120 volunteer hours or 150 paid hours*

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 45.

*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 ENGL 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
180 volunteer hours or 225 paid hours*

A work experience course to enable marketing students to gain practical experience in a marketing company or a marketing-oriented department of an organization and to apply knowledge gained in other marketing courses. For work experience requirements, see page 45.

*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 a combination of academic and applied concepts of entrepreneurship. The course is designed to help the student apply theories of management, marketing, personnel, finance, cash flow, and production to problems encountered daily in managing a small business. The focus of the course will be on practical solutions to common business management problems with an emphasis on small businesses.

Transfers to CSU

† This course meets all Title 5 standards for Associate Degree Credit.



BUSINESS 142 † **Effective Sales – Skills of 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 within the larger framework of the marketing mix. Advertising agency structure, employment options, and the process and costs involved in agencies producing campaigns will be reviewed. Traditional versus online media vehicles will be reviewed and compared. Advertising strategy for social media networks will be explained. Copywriting, art and layout, mechanical production, and planning will be discussed. Successful advertising campaigns will be reviewed and evaluated as well as consumer buying behavior as it relates to advertising.

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;

† This course meets all Title 5 standards for Associate Degree Credit.

identification of markets; and current issues in marketing, including new and traditional media options, market research strategy, and collaborative tools for group marketing efforts.

Transfers to CSU

BUSINESS 147 † **(Computer Science Information Systems 147)** **Social Media and Internet Marketing**

3 units, 3 hours lecture

Recommended Preparation: A "C" grade or higher or "Pass" in Business 146 and CSIS 132 or equivalent.

This course will provide students with skills to achieve online marketing success in social media and integrate their Web presence with offline traditional marketing methods. The course will provide students with a basic working knowledge of methods used to help drive traffic to a web site, attract visitors and turn them into customers. Students will develop search engine optimization skills as well as explore search engine marketing, social media marketing, affiliate marketing, directory submission, and email marketing. Students will learn how to compete in new internet marketing channels, employ market research, acquire traffic, and track visitor trends.

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 149 † **Consumer Behavior**

3 units, 3 hours lecture

This course provides students with an introduction to the complexities involved in consumers selecting, purchasing, using and disposing of products and services in our marketplace. Students will investigate and learn about factors affecting consumer decisions such as personality, culture, attitudes, motivations, perceptions, and reference groups. Course emphasis will be on understanding the decision-making process and its application to the development of sound marketing strategy.

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
180 volunteer hours or 225 paid hours

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 45. *Transfers to CSU*

BUSINESS 160 † **Hospitality Managerial Accounting and Controls**

3 units, 3 hours lecture

Prerequisite: A "C" grade or higher or "Pass" in BUS 120 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 166 † **Hospitality and Tourism Law**

3 units, 3 hours lecture

This course is designed to introduce the Hospitality and Tourism Management student to the legal principles and issues common to the hotel and travel industries. Students will gain a working knowledge of the laws and government regulations applicable to the hospitality and tourism industry. The student will be required to identify legal issues and learn how to evaluate those issues in a structured format. Attention will be given to statutory regulations of hotels and food service and other areas such as contracts, employment law, labor relations, product liability and insurance. *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 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*

BUSINESS 195 † **Principles of Money Management for Success**

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 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: A "C" grade or higher or "Pass" in BUS 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: BUS 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: BUS 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 multinational 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*

† This course meets all Title 5 standards for Associate Degree Credit.

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***BUSINESS 265 A-B-C-D †**
Internship in International Business*1 unit, 5 hours work experience per week**60 volunteer hours or 75 paid hours*

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 45.

*Transfers to CSU***BUSINESS 266 †**
Internship in International Business*2 units, 10 hours work experience per week**120 volunteer hours or 150 paid hours*

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 45.

*Transfers to CSU***BUSINESS 267 †**
Internship in International Business*3 units, 15 hours work experience per week**180 volunteer hours or 225 paid hours*

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 45.

*Transfers to CSU***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)

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 ENGL 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

† This course meets all Title 5 standards for Associate Degree Credit.

†† This course meets all Title 5 standards for Nondegree Credit.

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 ENGL 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.
Transfers to CSU

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. ENGL 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 I

1.5 units, .8 hours lecture, 2.2 hours laboratory
Prerequisite: A "C" grade or higher or "Pass" in BOT/CSIS 100 or equivalent. 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 II

1.5 units, .8 hours lecture, 2.2 hours laboratory
Prerequisite: A "C" grade or higher or "Pass" in BOT 101A or equivalent. 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
Prerequisite: A "C" grade or higher or "Pass" in BOT 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 5-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
Prerequisite: A "C" grade or higher or "Pass" in BOT 102A or equivalent. Business Office Technology 102B is equivalent to the second half of Business Office Technology 102. Students continue to create business documents, applying new formatting skills including using templates, designing letterheads and office forms, and learning specialized applications such as medical and legal forms. This course begins with intermediate Microsoft Word functions so entering students should be proficient in using basic Word features and should key a minimum of 35 net words per minute on a 5-minute timed writing. Not open to students with credit in Business Office Technology 102.
Transfers to CSU

BUSINESS OFFICE TECHNOLOGY 103A † Building Keyboarding Skill I

.5 unit, 1.5 hours laboratory
Recommended Preparation: A "C" grade or higher or "Pass" in 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 at a minimum rate of 20 net words per minute on a 5-minute timed writing. Students keying at a

† This course meets all Title 5 standards for Associate Degree Credit.

†† This course meets all Title 5 standards for Nondegree Credit.

lower rate should enroll in Business Office Technology 095, Keyboarding Skill Reinforcement.

Transfers to CSU

BUSINESS OFFICE TECHNOLOGY 103B †

Building Keyboarding Skill II

.5 unit, 1.5 hours laboratory

Recommended Preparation: A "C" grade or higher or "Pass" in 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 25 net words per minute on a 5-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: A "C" grade or higher or "Pass" in 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 30 net words per minute on a 5-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: ENGL 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. ENGL 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: A "C" grade or higher or "Pass" in ENGL 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: A "C" grade or higher or "Pass" in 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

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

† This course meets all Title 5 standards for Associate Degree Credit.

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 113 † Social Media Basics for the Job Seeker

.5 unit, 1.5 hours laboratory

Social Media Basics for the Job Seeker is an introduction to social media, social media providers, and social media uses. Definitions of social media and related terminology will be provided. Students will learn how to develop Facebook, LinkedIn, Twitter, and other accounts to develop a professional profile online. Safety and privacy will be covered. The course is designed for the beginner who wants to learn more about social media and how to use it to create an online professional portfolio.

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 ENGL 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 ENGL 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 ENGL 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 ENGL 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 114 and 115 and 116 and 117 or equivalent.

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). 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 119 † Windows for the Information Worker

2 units, 2 hours lecture

Recommended Preparation: A "Pass" grade in BOT 096 or concurrent enrollment or equivalent.

This course is designed for students who wish to learn the latest Cloud-based generation of Windows. Students will learn to use the Windows operating system efficiently to create and manage files and folders. In addition, students will learn the latest in the "universal" applications.

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 ENGL 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 ENGL 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 ENGL 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

**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

† This course meets all Title 5 standards for Associate Degree Credit.

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 132 † Google Applications for Business

3 units, 3 hours lecture

In this course, students learn how to use Google Apps, a collection of free Web-based productivity tools, in a business environment. Topics include Google Search, Gmail, Google Calendar, Google Docs, Google Spreadsheets, Google Presentations, and emerging trends in Google Apps. Students use the Internet to access their files and the tools to manipulate and collaborate with them.

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, spreadsheets, 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 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

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**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 102B 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

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,

† This course meets all Title 5 standards for Associate Degree Credit.

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

60 volunteer hours or 75 paid hours

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 45.

Transfers to CSU

BUSINESS OFFICE TECHNOLOGY 224 † Office Work Experience

2 units, 10 hours work experience per week

120 volunteer hours or 150 paid hours

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 45.

Transfers to CSU

BUSINESS OFFICE TECHNOLOGY 225 † Office Work Experience

3 units, 15 hours work experience per week

180 volunteer hours or 225 paid hours

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 45.

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.

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.

† This course meets all Title 5 standards for Associate Degree Credit.

CARDIOVASCULAR TECHNOLOGY (CVTE)

CARDIOVASCULAR TECHNOLOGY 100 † Physical Principles of Medicine I

2 units, 2 hours lecture

Prerequisite: Admission to the Cardiovascular Technology Program.

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: Admission to the Cardiovascular Technology Program.

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

3 units, 2 hours lecture, 3 hours laboratory

Prerequisite: Admission to the Cardiovascular Technology Program.

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: Admission to the Cardiovascular Technology Program.

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

Prerequisite: Admission to the ECG Program

Corequisite: CVTE 105.

This course will provide the electrocardiograph theory and principles required to perform basic 12-lead electrocardiograms. Basic cardiac anatomy and physiology will be covered with a focus on the cardiac conduction system. Basic rhythm strip analysis will be included. This course and CVTE 105 are designed to train students in the administration of a resting 12-lead electrocardiogram, stress testing, and ambulatory monitoring, and to prepare the student for the Certified Cardiographic Technician (CCT) exam through Cardiovascular Credentialing International.

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. There is an emphasis on the techniques for administering a 12-lead electrocardiogram. Students will perform electrocardiograms in an on-campus laboratory setting and be assigned to lab rotations in local clinical facilities for a portion of the semester. This course and CVTE 104 will prepare the student for the Certified Cardiographic Technician (CCT) exam through the Cardiovascular Credentialing International.

Transfers to CSU

CARDIOVASCULAR TECHNOLOGY 106 † Advanced Electrocardiographic Studies

5 units, 4 hours lecture, 3 hours laboratory

Prerequisite: Admission to the Telemetry Program.

Corequisite: CVTE 108

A study of the theory, clinical application and administration of specialized monitoring equipment to identify and analyze cardiac rhythms. This course along with CVTE 108 will prepare the student to take the Certified Rhythm Analysis Technician (CRAT) exam through Cardiovascular Credentialing International.

Transfers to CSU

CARDIOVASCULAR TECHNOLOGY 107 † Introduction to Clinical Practicum I

.5 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

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 dysrhythmias along with techniques for distinguishing between aberrant rhythms and life-threatening dysrhythmias. Treatment for abnormal rhythms will be discussed. This course along with CVTE 106 will prepare the student to take the Certified Rhythm Analysis Technician (CRAT) exam through the Cardiovascular Credentialing International.

Transfers to CSU

† This course meets all Title 5 standards for Associate Degree Credit.

**CARDIOVASCULAR TECHNOLOGY
109 †
X-Ray Physics and Radiation
Safety**

3 units, 3 hours lecture

Prerequisite: A "C" grade or higher in CVTE 100 and 101 and 102 and 103.

Corequisite: CVTE 116.

A course providing advanced study in medical electronics and instrumentation which focuses on imaging technologies, utilized in invasive cardiology. Emphasis will be placed upon radiation safety, fluoroscopic regulations, fluoroscopy techniques, the x-ray imaging chain, x-ray physics, cardiovascular angiographic projections, coronary angiographic techniques, optical principles, intravascular ultrasound and Doppler techniques. Additional emphasis is placed on fluoroscopic data collection, analysis and interpretation of clinical patterns.
Transfers to CSU

**CARDIOVASCULAR TECHNOLOGY
110 †
Physical Principles of
Medicine II**

3 units, 3 hours lecture

Prerequisite: A "C" grade or higher in CVTE 100 and 101 and 102 and 103.

Corequisite: CVTE 115 or 117.

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 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
113 †
Introduction to Clinical
Practicum II**

1 unit, 1 hour lecture

Prerequisite: A "C" grade or higher in CVTE 100 and 101 and 102 and 103.

Corequisite: CVTE 111.

This course prepares the Cardiovascular Technology student for the clinical setting with topics such as HIPAA, infection control, radiation safety, patient transport, basic patient care, professionalism in the healthcare setting and expectations of the Cardiovascular Technology student during clinical assignments.
Transfers to CSU

**CARDIOVASCULAR TECHNOLOGY
114 †
Cardiovascular Pharmacology**

2 units, 2 hours lecture

Prerequisite: A "C" grade or higher in CVTE 111 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
115 †
Introduction to Adult
Echocardiography**

4 units, 2 hours lecture, 6 hours laboratory

Prerequisite: A "C" grade or higher in CVTE 100 and 101 and 102 and 103.

Corequisite: CVTE 110

An introduction to Adult Echocardiography. This course is in specialized techniques and cardiovascular theory to develop cognitive and manipulative skills in the clinical operation of specified ultrasound instrumentation, and in the performance of adult echocardiography.
Transfers to CSU

**CARDIOVASCULAR TECHNOLOGY
116 †
Introduction to Invasive
Cardiology**

4 units, 2 hours lecture, 6 hours laboratory

Prerequisite: A "C" grade or higher in CVTE 100 and 101 and 102 and 103.

Corequisite: CVTE 109

An introductory course in Invasive Cardiology with instruction in specialized techniques used in Invasive Cardiology and designed to provide lecture and laboratory practicum necessary to develop cognitive and manipulative skills in the clinical operation of specified cardiovascular instrumentation, and in the performance of diagnostic tests in cardiac catheterization procedures.
Transfers to CSU

**CARDIOVASCULAR TECHNOLOGY
117 †
Introduction to Vascular
Technology**

4 units, 2 hours lecture, 6 hours laboratory

Prerequisite: A "C" grade or higher in CVTE 100 and 101 and 102 and 103.

Corequisite: CVTE 110

An introduction to vascular diagnostic sonography. This course covers specialized techniques of noninvasive testing of the human vascular system. It is designed to provide lecture and laboratory instruction in cognitive and psychomotor skills required for the clinical operation of ultrasound and other diagnostic instrumentation, as well as in the rationale, performance, and interpretation of diagnostic tests used in the vascular lab.
Transfers to CSU

**CARDIOVASCULAR TECHNOLOGY
121 †
Clinical Practicum I:
Adult Echocardiography**

2 units, 6 hours laboratory

Prerequisite: A "C" grade or higher in CVTE 110 and 115.

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 adult echocardiography specialists will be applied to situations in the hospital, clinic or doctor's office setting.
Transfers to CSU

† This course meets all Title 5 standards for Associate Degree Credit.

CARDIOVASCULAR TECHNOLOGY 122 †

Clinical Practicum I: Invasive Cardiology

2 units, 6 hours laboratory

Prerequisite: A "C" grade or higher in CVTE 109 and 116.

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 invasive cardiology specialists will be applied to situations in the hospital setting.

Transfers to CSU

CARDIOVASCULAR TECHNOLOGY 123 †

Clinical Practicum I: Vascular Technology

2 units, 6 hours laboratory

Prerequisite: A "C" grade or higher in CVTE 110 and 117.

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 vascular technology specialists will be applied to situations in the hospital and clinic setting.

Transfers to CSU

CARDIOVASCULAR TECHNOLOGY 221 †

Diagnostic Procedures I: Adult Echocardiography

5 units, 3 hours lecture, 6 hours laboratory

Prerequisite: A "C" grade or higher in CVTE 115.

Corequisite: CVTE 231

A course in specialized techniques using echocardiography for testing and evaluation of cardiovascular disease. Lectures will stress the performance and analysis of cardiac ultrasound findings to cardiac pathology and the measurement and calculation of specified hemodynamic parameters. The classroom laboratory provides advanced instruction in the topics

and performance of diagnostics tests in echocardiography. The theory, calibration, operation and clinical application of specified diagnostic medical instrumentation will be applied. Hospital based laboratory sessions are conducted in non-invasive cardiac labs in local hospitals with advanced instruction in two dimensional, m-mode, color-flow, cardiac Doppler, transesophageal and stress echocardiography.

Transfers to CSU

CARDIOVASCULAR TECHNOLOGY 222 †

Interventional Procedures I: Invasive Cardiology

5 units, 3 hours lecture, 6 hours laboratory

Prerequisite: A "C" grade or higher in CVTE 116.

Corequisite: CVTE 232.

This course provides advanced study in medical electronics and instrumentation, focusing on devices utilized in invasive cardiology. Specialized techniques and interpretation of physiologic data obtained during diagnostic and interventional procedures performed in the Cardiac Catheterization Lab will be emphasized. Classroom and hospital based lab sessions will focus on coronary, peripheral and electrophysiologic procedures.

Transfers to CSU

CARDIOVASCULAR TECHNOLOGY 223 †

Diagnostic Procedures I: Vascular Technology

5 units, 3 hours lecture, 6 hours laboratory

Prerequisite: A "C" grade or higher in CVTE 117.

Corequisite: CVTE 233.

A course of instruction in the specialized techniques of noninvasive testing of the human vascular system and the evaluation of vascular pathophysiology. Lectures will stress the performance and analysis of vascular ultrasound scanning, spectral analysis and the interpretation of scanning and non-scanning modalities for vascular testing. The classroom laboratory provides advanced instruction in the topics and performance of diagnostics tests in vascular technology. The theory, calibration, operation and clinical application of specified diagnostic medical instrumentation will be applied. Hospital based laboratory sessions are conducted in vascular laboratories in local hospitals, with instruction in techniques of duplex scanning of the cerebrovascular and lower-extremity vasculature.

Transfers to CSU

CARDIOVASCULAR TECHNOLOGY 225 †

Extended Experience in Clinical Practicum

1 unit, 3 hours laboratory

Prerequisite: A "C" grade or higher in CVTE 231 or 232 or 233.

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 231 †

Clinical Practicum II: Adult Echocardiography

5 units, 15 hours laboratory

Prerequisite: A "C" grade or higher in CVTE 121

Corequisite: CVTE 221

A laboratory course providing clinical practicum with emphasis on the calibration and operation of medical instrumentation used in the non-invasive labs 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 232 †

Clinical Practicum II: Invasive Cardiology

5 units, 15 hours laboratory

Prerequisite: A "C" grade or higher in CVTE 122

Corequisite: CVTE 222

A laboratory course providing clinical practicum with emphasis on the calibration and operation of medical instrumentation used in the Cardiac Catheterization Labs in local hospitals 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

† This course meets all Title 5 standards for Associate Degree Credit.

**CARDIOVASCULAR TECHNOLOGY
233 †****Clinical Practicum II:
Vascular Technology***5 units, 15 hours laboratory**Prerequisite: A "C" grade or higher in CVTE 123**Corequisite: CVTE 223*

A laboratory course providing clinical practicum with emphasis on the calibration and operation of medical instrumentation used in the Vascular Labs 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
251 †****Diagnostic Procedures II:
Adult Echocardiography***5 units, 3 hours lecture, 6 hours laboratory**Prerequisite: A "C" grade or higher in CVTE 221.**Corequisite: CVTE 261.*

This course is a continuation of Cardiovascular Technology 221, Adult Echocardiography Diagnostic Procedures I. 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 trans-esophageal echocardiography. The classroom laboratory continues advanced instruction in the topics and performance of diagnostic tests in echocardiography. The theory, calibration, operation and clinical application of specified diagnostic medical instrumentation will be applied. Hospital based laboratory sessions are conducted in non-invasive cardiac labs in local hospitals supporting lecture topics.

*Transfers to CSU***CARDIOVASCULAR TECHNOLOGY
252 †****Interventional Procedures II:
Invasive Cardiology***5 units, 3 hours lecture, 6 hours laboratory**Prerequisite: A "C" grade or higher in CVTE 222.**Corequisite: CVTE 262.*

This course continues the advanced study of cardiac medical electronics and instrumentation, focusing on devices utilized in invasive cardiology. Specialized interventional procedures performed in the Cardiac Catheterization Lab will be emphasized, along with cardiac rhythm

management, device implantation, and electrophysiology studies. Classroom and hospital based lab sessions will focus on coronary, peripheral and electrophysiologic procedures.

Transfers to CSU

**CARDIOVASCULAR TECHNOLOGY
253 †****Diagnostic Procedures II:
Vascular Technology***5 units, 3 hours lecture, 6 hours laboratory**Prerequisite: A "C" grade or higher in CVTE 223.**Corequisite: CVTE 263.*

A course of instruction in the specialized techniques of noninvasive testing of the human vascular system and the evaluation of vascular pathophysiology. Lectures will stress the performance and analysis of vascular ultrasound scanning, spectral analysis and the interpretation of scanning and non-scanning modalities for vascular testing. The classroom laboratory provides advanced instruction in the topics and performance of diagnostics tests in vascular technology. The theory, calibration, operation and clinical application of specified diagnostic medical instrumentation will be applied. Hospital based laboratory sessions are conducted in vascular laboratories in local hospitals, with instruction in techniques of duplex scanning of the cerebrovascular and lower-extremity and abdominal vasculature.

Transfers to CSU

**CARDIOVASCULAR TECHNOLOGY
261 †****Clinical Practicum III:
Adult Echocardiography***5 units, 15 hours laboratory**Prerequisite: A "C" grade or higher in CVTE 231**Corequisite: CVTE 251*

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 non-invasive labs 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. Emphasis will be on consolidating skills acquired in CVTE 231 into complete diagnostic studies, including qualitative diagnostic interpretations.

Transfers to CSU

**CARDIOVASCULAR TECHNOLOGY
262 †****Clinical Practicum III:
Invasive Cardiology***5 hours, 15 hours laboratory**Prerequisite: A "C" grade or higher in CVTE 232**Corequisite: CVTE 252*

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 Cardiac Catheterization Labs in local hospitals 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. Emphasis will be on consolidating skills acquired in CVTE 232 into complete diagnostic studies, including qualitative diagnostic interpretations.

Transfers to CSU

**CARDIOVASCULAR TECHNOLOGY
263 †****Clinical Practicum III:
Vascular Technology***5 units, 15 hours laboratory**Prerequisite: A "C" grade or higher in CVTE 233**Corequisite: CVTE 253*

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 Vascular Labs 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. Emphasis will be on consolidating skills acquired in CVTE 233 into complete diagnostic studies, including qualitative diagnostic interpretations.

Transfers to CSU

† This course meets all Title 5 standards for Associate Degree Credit.

CHEMISTRY (CHEM)

CHEMISTRY 102 † Introduction to General, Organic and Biological Chemistry

5 units, 4 hours lecture, 3 hours laboratory
Prerequisite: A "Pass" grade in Mathematics 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 hands-on in-class 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 54)

CHEMISTRY 113 † Forensic Chemistry

4 units, 3 hours lecture, 3 hours laboratory
Prerequisite: A "Pass" grade in Mathematics 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 54)

CHEMISTRY 115 † Fundamentals of Chemistry

4 units, 3 hours lecture, 3 hours laboratory
Prerequisite: A "Pass" grade in Mathematics 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 54)

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.

This course introduces the study of carbon compounds with emphasis on their structure, properties, and reactivity. Introduction to the structure of the major classes of biomolecules – carbohydrates, lipids, and proteins – and their relationship to the major classes of organic compounds.

Satisfies General Education for: Grossmont College B2; CSU B1; IGETC 5A
Transfers to: CSU, UC (credit limited: see page 54)

CHEMISTRY 117 † Introductory Biochemistry

3 units, 3 hours lecture
Prerequisite: A "C" grade or higher or "Pass" in Chemistry 116 or Chemistry 102 or Chemistry 241 or equivalent.

This course is an introduction to the chemistry of biochemical reactions and biochemical molecules. Topics include: acid/base chemistry, thermodynamics, cell biology, amino acids and proteins, enzymes, lipids, membranes and transport, carbohydrates, metabolism, nucleic acids, and information transfer. This course is designed for students majoring in nutrition, allied health, nursing, and the chemical or life sciences.
Satisfies General Education for: Grossmont College B2
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 Mathematics 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 54)

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 equivalent or the Chemistry 141 assessment and a "C" grade or higher or "Pass" in Mathematics 110 or equivalent.

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.

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 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.

Satisfies General Education for: Grossmont College B2; CSU B1; IGETC 5A

Transfers to: CSU, UC

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 or organic compounds. The relationship of structure to properties, reactivity and mechanism or reaction will be emphasized. Students will become familiar with organic structure and functional groups by performing organic reactions. These will include nucleophilic substitution, dehydration, and organic redox used to synthesize new compounds from starting materials. Students will become proficient at separation and purification techniques including TLC, column chromatography, recrystallizations and distillations. They will also utilize a variety of instrumentation including NMR, FTIR spectroscopy, gas chromatography, UV spectroscopy, and HPLC.

Satisfies General Education for: Grossmont College B2; CSU B1; IGETC 5A

Transfers to: CSU, UC

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 241 † **Organic Chemistry I Lecture**

3 units, 3 hours lecture

Prerequisite: A "C" grade or higher or "Pass" in Chemistry 142 or equivalent.

First of a two semester organic chemistry lecture sequence. The topics covered will include nomenclature of organic compounds, stereochemistry, reaction mechanisms, and the study of representative reactions for certain classes or organic compounds. The relationship of structure to properties, reactivity and mechanism or reaction will be emphasized.

Satisfies General Education for: Grossmont College B2; CSU B1, IGETC 5A

Transfers to: CSU, UC

CHEMISTRY 241L † **Organic Chemistry I Laboratory**

2 units, 6 hours laboratory

Corequisite: A "C" grade or higher or "Pass" in Chemistry 241 or equivalent or concurrent enrollment in Chemistry 241.

First of a two semester organic chemistry laboratory sequence. The topics covered will include basic organic chemistry laboratory operations. Students will become familiar with organic structure and functional groups by performing organic reactions. These will include nucleophilic substitution, dehydration, and organic redox used to synthesize new compounds from starting materials. Students will become proficient at separation and purification techniques including TLC, column chromatography, recrystallizations and distillations. They will also utilize a variety of instrumentation including FTIR spectroscopy, gas chromatography, UV spectroscopy, and HPLC. They will also evaluate NMR data based on their experimental results.

Satisfies General Education for: Grossmont College B2; CSU B3, IGETC 5C

Transfers to: CSU, UC

CHEMISTRY 242 † **Organic Chemistry II Lecture**

3 units, 3 hours lecture

Prerequisite: A "C" grade or higher or "Pass" in Chemistry 231 or Chemistry 241 or equivalent.

Corequisite: Completion of or concurrent enrollment in Chemistry 241L 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 242L † **Organic Chemistry II Laboratory**

2 units, 6 hours laboratory

Prerequisite: A "C" grade or higher or "Pass" in Chemistry 231 or Chemistry 241 and 241L or equivalent

Corequisite: Completion of or concurrent enrollment in Chemistry 242 or equivalent.

Second of a two semester laboratory sequence. The topics covered will include: structure and reactivity of carboxylic acids and their derivatives, amines and other nitrogen functional groups, aromatic compounds, heterocyclic compounds, polyfunctional compounds, conjugation and aromaticity, and multistep organic synthesis. This class is intended as a second semester organic chemistry laboratory for students needing additional laboratory expertise.

Satisfies General Education for: Grossmont College B2; CSU B3; IGETC 5C

Transfers to: CSU, UC

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

Prerequisite: A "C" grade or higher or "Pass" in CD 123 or CD 125 or equivalent.

Required Preparation: State of California requires up-to-date immunizations and a negative TB test before working in child care centers. This will be required of CD 106 students.

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 meets all Title 5 standards for Associate Degree Credit.

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 D; CSU D; IGETC 4
Transfers to: CSU, UC (credit limited: see page 54)

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



CHILD DEVELOPMENT 123 †
Principles and Practices of Programs and Curriculum for Young Children

3 units, 3 hours lecture

An examination of theoretical principles of developmentally appropriate practices applied to programs, environments, emphasizing the key role of relationships, constructive adult-child interactions, and teaching strategies in supporting emotional, physical, social, creative and intellectual development for all children. This course includes a review of the historical roots of early childhood programs and the evolution of the professional practices promoting advocacy, ethics and professional identity. Legal requirements for programs in California including Title 22 and Title 5 are also included.

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 D; CSU D or E; IGETC 4
Transfers to: CSU, UC

CHILD DEVELOPMENT 127 †
Science and Mathematics for Child Development

3 units, 3 hours lecture

Recommended Preparation: Child Development 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

† This course meets all Title 5 standards for Associate Degree Credit.

CHILD DEVELOPMENT 129 † Language and Literature for Child Development

3 units, 3 hours lecture

Recommended Preparation: Child Development 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: Child Development 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 Child Development 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 D; CSU D*

Transfers to: CSU, UC

CHILD DEVELOPMENT 132 † Observation and Assessment: Field Experience Seminar

3 units, 3 hours lecture

Prerequisite: A "C" grade or higher or "Pass" in Child Development 106 and 121 and 123 and 125 and 127 and 129 and 131 and 130 or 143 or equivalent.

Corequisite: CD 133

This seminar is for the student participating in field experience as a student teacher in early childhood education programs. Students will develop skills in observation and authentic assessment and portfolio development for children and develop positive communication and guidance skills for working with children and families. These skills will be implemented in CD 133. As part of the course students will reexamine professional ethics, responsibilities and expectations of the work force and explore strategies for job search.

Transfers to CSU

CHILD DEVELOPMENT 133 † Practicum – Field Experience: Student Teaching

2 units, 10 hours work experience per week

120 volunteer hours or 150 paid hours

Prerequisite: A "C" grade or higher in Child Development 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. For work experience or field experience requirements, see page 45.

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 D

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 (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 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

† This course meets all Title 5 standards for Associate Degree Credit.

CHILD DEVELOPMENT 138 † Administration of Child Development Programs II

3 units, 3 hours lecture

Recommended Preparation: A "C" grade or higher or "Pass" in Child Development 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: Child Development 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 Child Development 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 D; CSU D

Transfers to CSU

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 D

Transfers to CSU

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

† This course meets all Title 5 standards for Associate Degree Credit.

CHILD DEVELOPMENT 175 † **Documenting Children's Learning in Early Childhood Education**

3 units, 3 hours lecture

Recommended Preparation: Child Development 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 212 † **Practicum in Early Childhood Education**

3 units, 2 hours lecture, 3 hours laboratory

Prerequisite: A "C" grade or higher or "Pass" in CD 123, 125, 130 and 131 or equivalent.

In this course students will practice and demonstrate developmentally appropriate early childhood program planning and teaching competencies under the supervision of ECE/CD faculty and other qualified early education professionals. Students will utilize practical classroom experiences to make connections between theory and practice, develop professional behaviors, and build a comprehensive understanding of children and families. Child-centered, play-oriented approaches to teaching, learning, and assessment; and knowledge of curriculum content areas will be emphasized as student teachers design, implement, and evaluate experiences that promote positive development and learning for all young children. This course is for the Associate in Arts in Early Childhood Development for Transfer Degree.

Transfers to: CSU

CHILD DEVELOPMENT 213 † **Observation and Assessment**

3 units, 3 hours lecture

This course focuses on the appropriate use of a variety of assessment and observation strategies to document child development and behavior. Child observations will be conducted and analyzed. This course is for the Associate in Arts in Early Childhood Development for Transfer Degree only.

Transfers to: CSU

CHINESE (CHIN)

CHINESE 120 † **Chinese I**

5 units, 5 hours lecture

An introductory course to the Chinese language and the culture of its speakers. This course facilitates the practical application of the language in everyday oral and written communication at the beginning novice level. Since the focus will be on basic communication skills, the class will be conducted in Mandarin Chinese as much as possible. While becoming familiar with the Chinese speaking world, students will learn structures that will enable them to function in Chinese in everyday contexts.

Satisfies General Education for: Grossmont College C; 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.

This second course will continue to develop oral skills based on practical everyday needs and written skills based on formal communication.

Satisfies General Education for: Grossmont College C; CSU C2; IGETC 3B, 6A

Transfers to: CSU, UC

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 C; 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 C; 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 C; CSU C2; IGETC 6A

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 C; CSU C2; IGETC 6A

Transfers to: CSU, UC

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, effective rhetorical strategies, and public speaking skills. Students present speeches and participate in structured oral and written exercises and simulations; these activities are designed to enhance communicative awareness and skills in interpersonal contexts. Emphasis is on personal, situational and cultural influences on interaction. It is designed to assist students in improving their own interpersonal and oral communication skills. Attention is given to rhetorical strategies, human perception, interpersonal dynamics, listening, conflict management, and verbal/nonverbal communication skills, including delivery of speeches.

Satisfies General Education for: Grossmont College A2; CSU A1; IGETC 1C

Transfers to: CSU, UC

† This course meets all Title 5 standards for Associate Degree Credit.

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 D; CSU D; IGETC 4

Transfers to: CSU, UC (credit limited: see page 54)

COMMUNICATION 126 † **Communication Studies: Health and Wellness**

3 units, 3 hours lecture

This introductory course provides students the opportunity to study and to apply principles and practices of health communication in a variety of contexts. Students will explore ways in which we communicate about health, cope with health-related problems, and influence one another's health-related behaviors. Specifically, topics cover provider-patient interaction, health and identity, the role of culture in health, health literacy, health in the work place, support networks, empathy, listening, and health campaigns.

This course benefits all students interested in communication studies. The overall goal for this course is to prepare students to communicate effectively in their roles as health citizens, patients, personal and professional caregivers or healthcare providers.

Satisfies General Education for: Grossmont College D

Transfers to CSU

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 D; CSU D

Transfers to: CSU, UC

COMMUNICATION 130 † **Fundamentals of Human Communication**

3 units, 3 hours lecture

A survey of the theory, basic principles, and methods of human communication with emphasis on improving speaking and listening in public speaking, interpersonal and group context.

Satisfies General Education for: Grossmont College A2; CSU A1; IGETC 1C

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 the oral interpretation of literature. Attention is given to art appreciation, art criticism, and analysis as it relates to the performance of literature in various genres. The oral interpretation of traditional literary genres of poetry, prose, and drama is practiced, as well as newer and more diverse modes of expression such as spoken word and other cultural forms of artistic expression. Emphasis is on the effective interpretation, communication, and performance of various literary works.

Satisfies General Education for: Grossmont College C

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 C; 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

† This course meets all Title 5 standards for Associate Degree Credit.

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 C; CSU C2, D; IGETC 3B, 4
Transfers to: CSU, UC (credit limited: see page 54)

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 C; CSU A3
Transfers to: CSU, UC

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

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

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.

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

An introductory course in Information Technology with an emphasis on business and business-related applications. Concepts include computer organization, data processing systems, decision support systems, systems analysis and design, as well as ethics, security, e-commerce, global information systems and application software. The laboratory component consists of hands-on problem solving using software applications including spreadsheets and databases.

Transfers to: CSU, UC

COMPUTER SCIENCE INFORMATION SYSTEMS 111 † **Beginning Web Page Design**

1.5 units, 1 hour lecture, 1.5 hours laboratory

A beginning web site creation course emphasizing creation and implementation using current web authoring software. This course is intended for the beginner at web page creation. This class provides hands-on instruction in the use of one or more state-of-the-art software website builder tools for creating simple business or personal web sites. This class will cover the essential skills involved in developing, modifying and publishing web sites utilizing modern technology.

Transfers to CSU

† This course meets all Title 5 standards for Associate Degree 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 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 is given to development of effective software engineering practices emphasizing such principles as analysis and design decomposition,

encapsulation, procedural abstraction, testing and software reuse. Students learn and apply standard programming constructs, problem-solving strategies, the concept of an algorithm, fundamental data structures, and the machine representation of data.

Transfers to: CSU, UC

COMPUTER SCIENCE INFORMATION SYSTEMS 120 † **Computer Maintenance and A+ Certification**

3 units, 2 hours lecture, 3 hours laboratory

Preparation for the A+ Certification exam, an industry-sponsored test that establishes a benchmark level of knowledge and competence expected of computer service technicians in entry-level positions. A+ Certification also serves as the foundation for computer service professionals who are pursuing other valuable industry certifications such as the Cisco Certified Networking Associate (CCNA), Network+, and Microsoft Certified Professional (MCP). Students will gain a comprehensive knowledge base in computer hardware, DOS and Windows operating systems, networking basics, printers, and customer service. Hands-on labs using the latest computer components and operating systems provide an opportunity for students to enhance their skills in assembling, disassembling, servicing, troubleshooting, and upgrading advanced computer and networking systems.

Transfers to CSU

COMPUTER SCIENCE INFORMATION SYSTEMS 121 † **Introduction to Cybersecurity**

3 units, 2 hours lecture, 3 hours laboratory

Practical introductory course intended for those interested in learning about cybersecurity. Lectures, laboratories, and practical assignments will emphasize skills needed to work effectively in the area of cybersecurity. Some topics include: Internet security basics, hackers, spyware, phishing, spam, zombies, Trojan horses, worms, viruses, wi-fi security, denial-of-service, web-blocking, firewalls, proxy servers, operating system security, browser and web security, and cryptography. Includes installation and configuration of security tools and utilities.

Transfers to CSU

COMPUTER SCIENCE INFORMATION SYSTEMS 125 † **Network + Certification**

3 units, 2 hours lecture, 3 hours laboratory

Recommended Preparation: A "C" grade or higher or "Pass" in CSIS 110 or CSIS 120 or equivalent.

Practical course intended for those interested in learning computer

networking with an emphasis on earning the Computing Technology Industry Association's (CompTIA) Network+ certification, a foundation-level, vendor-neutral international industry credential that validates the knowledge of networking professionals. Earning this certification demonstrates that a candidate can describe the features and functions of networking components, and possesses the knowledge and skills needed to install, configure and troubleshoot basic networking hardware, protocols and services. It also indicates technical ability in the areas of media and topologies, protocols and standards, network implementation, and network support. Throughout the course, theory will be demonstrated and practiced in laboratory exercises. Lectures, laboratories and practical assignments will emphasize skills needed to work effectively in the networking environment and to earn the Network+ certification.

Transfers to CSU

COMPUTER SCIENCE INFORMATION SYSTEMS 130 † **Windows Server: Installing and Configuring**

2 units, 1 hour lecture, 3 hours laboratory

Prerequisite: A "C" grade or higher or "Pass" in CSIS 112 or equivalent

Comprehensive hands-on system administration course focusing on the installation, initial implementation, and configuration of Windows server software core services, including: Active Directory (AD) Domain Services, local storage, file and print services, group policy and server virtualization technologies.

Transfers to CSU

COMPUTER SCIENCE INFORMATION SYSTEMS 132 † **Introduction to Web Development**

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 hands-on overview of current web development. Emphasis will be placed on coding and debugging valid HTML and Cascading Style Sheets (CSS), but the course will also include design principles and introductory graphics to encourage attractive, usable design. Mobile development will be introduced. Student will use industry standard development environments to create web sites.

Transfers to CSU

† This course meets all Title 5 standards for Associate Degree Credit.



COMPUTER SCIENCE INFORMATION SYSTEMS 133 † **Intermediate Web Development**

3 units, 2 hours lecture, 3 hours laboratory
Recommended Preparation: A "C" grade or higher or "Pass" in CSIS 132 or equivalent.

This course builds on the skills introduced in Introduction to Web Development with hands-on projects that reinforce and further develop HTML5 and CSS3 expertise. Mobile development is addressed in detail. Also covered are content management systems (CMS), Search Engine Optimization (SEO), and usability issues.

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, writing, and calling JavaScript functions, as well as exploring jQuery and its relationship to JavaScript.

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 147 †

(Business 147)

Social Media and Internet Marketing

3 units, 3 hours lecture

Recommended Preparation: A "C" grade or higher or "Pass" in Business 146 and CSIS 132 or equivalent.

This course will provide students with skills to achieve online marketing success in social media and integrate their Web presence with offline traditional marketing methods. The course will provide students with a basic working knowledge of methods used to help drive traffic to a web site, attract visitors and turn them into customers. Students will develop search engine optimization skills as well as explore search engine marketing, social media marketing, affiliate marketing, directory submission, and email marketing. Students will learn how to compete in new internet marketing channels, employ market research, acquire traffic, and track visitor trends.

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

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

† This course meets all Title 5 standards for Associate Degree Credit.

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 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 180 † Fundamentals of Database Design

3 units, 3 hours lecture

Recommended Preparation: A "C" grade or higher or "Pass" in CSIS 110 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

COMPUTER SCIENCE INFORMATION SYSTEMS 195 †

Video Editing on the PC

3 units, 3 hours lecture, 1 hour 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 213 † Linux System Administration

3 units, 2 hours lecture, 3 hours laboratory

Prerequisite: A "C" grade or higher or "Pass" in CSIS 113 or equivalent.

Comprehensive hands-on application and instruction in multi-user, multi-tasking operating systems and networked operating systems. Topics include: operating system installation and configuration, storage configuration and management, server security configuration, user and

group management, configuration and management of various server roles (such as: LDAP, DNS, DHCP, Print, Mail, Samba, Apache), troubleshooting, and disaster recovery. Course maps to the Linux Professional Institute (LPI) Certification Level 2 exam.

Transfers to CSU

COMPUTER SCIENCE INFORMATION SYSTEMS 230 † Windows Server: Administering

2 units, 1 hour lecture, 3 hours laboratory

Prerequisite: A "C" grade or higher or "Pass" in CSIS 130 or equivalent.

Comprehensive hands-on system administration course focusing on the administration tasks essential to administering a Window server infrastructure, including user and group management, network access, and data security.

Transfers to CSU

COMPUTER SCIENCE INFORMATION SYSTEMS 240 † Discrete Structures

3 units, 3 hours lecture

Prerequisite: A "C" grade or higher or "Pass" in CSIS 293 or equivalent.

This course is an introduction to the discrete structures in computer science with an emphasis on their applications. Topics covered include: Functions, Relations and Sets; Basic Logic; Proof Techniques; Basics of Counting; Graphs and Trees; and Discrete Probability.

Satisfies General Education for CSU B4

Transfers to CSU, UC

COMPUTER SCIENCE INFORMATION SYSTEMS 250 † Introduction to Python 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 Python programming. Topics covered include basic language syntax, functions, control flow, looping, data types, strings, lists, dictionaries, exception handling, software tools and libraries, and functional vs object oriented programming concepts. This course is intended for persons with a prior background in any programming language.

Transfers to: CSU, UC

† This course meets all Title 5 standards for Associate Degree Credit.

COMPUTER SCIENCE INFORMATION SYSTEMS 251 † Intermediate Python Programming and Fundamental Data Structures

4 units, 3 hours lecture, 3 hours laboratory
Prerequisite: A "C" grade or higher or "Pass" in CSIS 250 or equivalent.

This course is the continuation of CSIS 250. Topics covered include: Multithreading, Recursion, Network Programming, Client/Server Programming, Searching, Sorting, Big-O Notation, Complexity Analysis, Collections, Arrays and Linked Structures, Interfaces, Implementations, Polymorphism, Inheritance and Abstract Classes, Stacks, Queues, Lists, Hash Tables, Trees, Sets, Dictionaries, and Graphs. Applications in Business Intelligence, Machine Learning, Cybersecurity, Autonomous Systems, Big Data, and Data Science.

Satisfies General Education Requirements for: CSU B4

Transfers to: CSU, UC

COMPUTER SCIENCE INFORMATION SYSTEMS 255 † Introduction to Programmable Logic Controllers

4 units, 3 hours lecture, 3 hours laboratory
Recommended Preparation: A "C" grade or higher or "Pass" in CSIS 250 or equivalent.

An introductory course in Programmable Logic Controller with an emphasis on industrial automation and related applications. Concepts include automation processing systems, input/output decision support systems; basic electronic circuits, ladder logic, basic analog circuit, Boolean logic, digital circuit; introduction to Raspberry Pi as the automation computer and Arduino as open source Programmable Automation Controller (PAC); typical examples of automation using Python to build Human Machine Interface HMI. The laboratory hands-on component consists of hands-on familiarization, diagnostics and solving automation setup and operational problems.

Transfers to CSU

COMPUTER SCIENCE INFORMATION SYSTEMS 263 † Security+ Certification

3 units, 2 hours lecture, 3 hours laboratory
Recommended Preparation: A "C" grade or higher or "Pass" in CSIS 125 or equivalent

Entry-level course in network security that addresses the various aspects of designing and implementing a secure network. Designed for students interested in understanding the field of network security and how it relates to other areas of Information Technology (IT). Covers materials included in the CompTIA (Computing Technology

Industry Association) Security + exam.
Transfers to CSU

COMPUTER SCIENCE INFORMATION SYSTEMS 264 † Ethical Cybersecurity Hacking

3 units, 2 hours lecture, 3 hours laboratory
Prerequisite: A "C" grade or higher or "Pass" in CSIS 263 or equivalent.

This course immerses IT professionals in hands-on intensive environments, providing in-depth knowledge and experience with current essential security systems. Provides understanding of perimeter defenses and leads to scanning and attacking networks; no real networks are harmed. Students learn how intruders escalate privileges and the steps to be taken to secure a system. Also covers Intrusion Detection, Policy Creation, Social Engineering, DDoS Attacks, Buffer Overflows, and Virtual Creation. Focus includes legal and regulatory requirements, ethical issues, basic methodology and technical tools used for ethical hacking and penetration tests. Students establish a pre-test agreement with the enterprise, discover and exploit vulnerabilities, participate as a member of a pen test team and prepare a penetration test report.

Transfers to CSU

COMPUTER SCIENCE INFORMATION SYSTEMS 265 † Computer Forensics Fundamentals

3 units, 2 hours lecture, 3 hours laboratory
Recommended Preparation: A "C" grade or higher or "Pass" in CSIS 264 or equivalent.

This course introduces the methods used to properly conduct a computer forensics investigation. Topics include ethics, computer forensics as a profession, the computer investigation process, operating systems boot processes and disk structures, data acquisition and analysis, technical writing, and a review of familiar computer forensics tools.

Transfers to CSU

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 or equivalent.

This is an introductory course in Structured Query Language (SQL) programming intended for persons with basic computer literacy skills. The course is designed to teach students the fundamentals of good relational database design and how to use and maintain a database using the industry-standard data query and manipulation language SQL. Students will use SQL to create tables, keys and indexes, handle

security in the database; and perform simple and complex queries.

Transfers to CSU

COMPUTER SCIENCE INFORMATION SYSTEMS 282 † Directed Work Experience in Computer Science Information Systems

3 units, 15 hours work experience per week
180 volunteer hours or 225 paid hours

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 44.

Transfers to CSU

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

† This course meets all Title 5 standards for Associate Degree Credit.

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 developing fundamental programming constructs, using objects from the standard Java Class Library, writing and using new objects, developing inheritance hierarchies of classes, using polymorphism to build extendible systems, and performing the subsequent testing and debugging of these programs.
Transfers to: CSU, UC

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. Instruction will also focus on object oriented programming and its principles of polymorphism, encapsulation, inheritance, collection classes and iteration protocols. Recursion and recursive data searching techniques will also be utilized in the creation of efficient, optimized algorithms.

Transfers to: CSU, UC

COMPUTER SCIENCE INFORMATION SYSTEMS 295 † Android Application Development with Java

3 units, 2 hours lecture, 3 hours laboratory
Recommended Preparation: 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. They will become skilled in use of the Android Application Programming Interfaces (API's) to develop applications that exhibit and/or utilize desirable attributes such as: 1) retrieving Internet data via REST web services; 2) use of Google Maps; 3) location awareness with the ability to utilize/the phone's GPS APIs; 4) complex Graphic User Interfaces (GUI) based on and using Android widgets; 5) development of and/or integration with telephony and networking applications; 6) sprite animation; 7) open GL graphics; 8) game development using existing game engines.

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++ programming. Topics covered include basic language syntax, functions, data types, pointers, strings, structures, software tools, and an introduction to classes. This course is intended for persons with a prior background in any programming language.

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

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.

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

† This course meets all Title 5 standards for Associate Degree Credit.

†† This course meets all Title 5 standards for Nondegree Credit.

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

CROSS-CULTURAL STUDIES (CCS)

(ETHNIC, GENDER, AND SOCIAL JUSTICE STUDIES) (EGSJ)

CROSS-CULTURAL STUDIES 114 † (Sociology 114)

Introduction to the Sociology of Minority Group Relations

3 units, 3 hours lecture

An introduction to the sociological analysis of ethnicity, race and immigration in a global context. Topics include the history of minority groups in the United States, patterns of interaction between racial and ethnic groups, colonialism, immigration, identity formation, prejudice, discrimination, racism, institutional

racism, civil rights movements, and the intersection between race, social class and gender.

Satisfies General Education for: Grossmont College D; CSU D; IGETC 4

Transfers to: CSU, UC (credit limited: see page 54)

CROSS-CULTURAL STUDIES 115 † **Introduction to Cultural Competence**

3 units, 3 hours lecture

Achieving cultural competency is a process, and this course provides a framework to begin critical reflection, knowledge acquisition, dialogue and best practices that lead to cultural competence over time. Students begin their work toward cultural competency. Students gain skills to effectively interact with people of diverse cultures, languages, socio-economic classes, races, ethnic backgrounds, religious, sexual and gender orientations, special needs and other social identities. The course explores attitudes, behavior, institutions and policies. It examines privilege and oppression, intersectionality of identities, various groups' barriers to equal access and opportunity, and how cultural competence moves people and institutions toward practices of inclusiveness.

Satisfies General Education for: Grossmont College D; CSU D; IGETC 4

Transfers to: CSU, UC (credit limited: see page 54)

CROSS-CULTURAL STUDIES 116 † **Introduction to Women's Studies**

3 units, 3 hours lecture

Interdisciplinary introduction to the origins, purpose, subject matter, and methods of Women's Studies and to feminist perspectives in the social sciences on a range of issues affecting women of diverse backgrounds. Study of gender and its intersections with race, class, sexuality, disability, age, religion, and other systems of difference. Includes such topics as gender-based language, personality development and self-concept, social evolution, family structures, and economic life.

Satisfies General Education for: Grossmont College D; CSU D; IGETC 4

Transfers to CSU

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 English as a Second Language 119 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 U.S. Federal Constitution is studied with special emphasis on the impact and effects of the Treaty of Guadalupe Hidalgo. Particular attention is given to the political philosophies of both countries and its impact on the Mexican American community.

Satisfies General Education for: Grossmont College D; CSU D; IGETC 4

Transfers to: CSU, UC (credit limited: see page 54)

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 English as a Second Language 119 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 leading to contemporary U.S. Society.

Satisfies General Education for: Grossmont College D; CSU D; IGETC 4

Transfers to: CSU, UC (credit limited: see page 54)

† This course meets all Title 5 standards for Associate Degree Credit.

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 D; CSU D; IGETC 4

Transfers to: CSU, UC (credit limited: see page 54)

CROSS-CULTURAL STUDIES 126 †
Chicana/o and Mexican Art*3 units, 3 hours lecture*

Comprehensive overview of the major influences and themes in Chicana/o art from its emergence in the 1960s to the beginning of the 21st century. Emphasis is placed on the historical (including pre-Columbian and Mexican), social, political and cultural context of the Chicana/o Movement and murals, prints, sculpture, literature, and performance.

Satisfies General Education for: Grossmont College C; CSU C1; IGETC 3A

Transfers to: CSU, UC

CROSS-CULTURAL STUDIES 127 †
La Chicana*3 units, 3 hours lecture*

A study of Chicanas/Latinas through the written and visual images conveyed by Chicanas/Latinas and non-Chicana/non-Latinas over time. Myths and stereotypes about Chicanas/Latinas are examined in a variety of contexts. Attention will be given to the evolution of the literary, visual, cultural, political and socio-economic experience of Chicanas/Latinas.

Satisfies General Education for: Grossmont College C; CSU D, E; IGETC 4

Transfers to: CSU, UC

CROSS-CULTURAL STUDIES 128 †
Introduction to Chicana/o Studies*3 units, 3 hours lecture*

This course is an introduction to Mexicana/o-Chicana/o culture and identity in the United States viewed through the lens of the origins, evolution, and current status of Chicana/o studies. Explores the research, theories, methods and debates in, and impact of, the field. Examines current intellectual trends, scholar activism, societal developments and the issues affecting Mexicana/o-Chicana/o communities. The course is taught from a multidisciplinary approach using the scholarship of Chicano Studies, the social sciences, visual arts, drama, history, literature, and music.

Satisfies General Education for: Grossmont College D, D1; CSU D; IGETC 4

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 English as a Second Language 119 or equivalent.

This course covers the social, political, cultural, economic and intellectual history of indigenous people in North America from pre-history to pre-Civil War in United States. Native experiences are placed in the context of the evolution of diverse native nations, within the growth of the U.S., and within the development of American institutions and ideals. California and San Diego County nations are highlighted.

Satisfies General Education for: Grossmont College D; CSU D; IGETC 4

Transfers to: CSU, UC (credit limited: see page 54)

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 English as a Second Language 119 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 D; CSU D; IGETC 4*
Transfers to: CSU, UC (credit limited: see page 54)

CROSS-CULTURAL STUDIES 132 †
American Indian Culture and Heritage*3 units, 3 hours lecture*

An in-depth analysis and discussion of American Indian cultural development as influenced by native and non-native traditions and influences. This course will examine the ways in which American Indians view the world, their place in it, and their responsibilities to it within an ethno-environmental context. Emphasis is placed on tribal and family relationships and social adjustments made by individuals. Analyzes the influence of these traditions on non-Indian cultures and philosophy, sociopolitics, science, religion, and the arts. Deals with the ongoing adaptability and endurance of American Indian traditions and customs given the changing conditions or legal requirements of the times.

Satisfies General Education for: Grossmont College D; CSU D; IGETC 4

Transfers to: CSU, UC

CROSS-CULTURAL STUDIES 133 †
The History and Cultures of California Indians*3 units, 3 hours lecture*

Historical overview of California native people. Included are pre-European contact cultures and the subsequent impact of Spanish Missions and Anglo American colonialism and institutions. With over 100 federally recognized California tribes, examples comprise diverse peoples in Northern, Central, and Southern California, including language survival and cultural revitalization. Included are the impact of tribes on the economy today, culture and politics of state-Native relations, significance to tribes and their neighbors of gaming, and myths vs. realities of Native life and culture.

Satisfies General Education for: Grossmont College D; CSU D; IGETC 3B

Transfers to: CSU, UC

† This course meets all Title 5 standards for Associate Degree Credit.

CROSS-CULTURAL STUDIES 134 † **Introduction to American Indian Art**

3 units, 3 hours lecture

The study of prehistoric, historic and modern creative art forms of American Indians. This course investigates the origins of American Indian art from rock paintings to contemporary artists and artisans. The class compares and contrasts art forms said to be Native American in content and Native American artists creating contemporary art in European-based art forms. American Indian art is explored within the context of American Indian Studies— from legal, cultural, anthropological, and fine art perspectives—and as a means of adaptation and resistance to colonialization and government policies. *Satisfies General Education for: Grossmont College C; CSU C1; IGETC 3A*
Transfers to: CSU, UC

CROSS-CULTURAL STUDIES 135 † **San Diego County American Indian Tribes**

3 units, 3 hours lecture

This course discusses the cultural complexity of indigenous San Diego County Indians, spanning geographically from the ocean to the mountains and desert. San Diego County has 18 Indian Reservations, more than any county in the United States. The course examines pre-contact migration/relocation patterns, present day reservations, and an in-depth study of the dominant Hokan speakers (Kumeyaay-Diegueño) and of the three groups of Uto-Aztecan speakers (Luiseño, Cahuilla and Cupeño). The history of these groups includes the Spanish, Mexican, and American periods resulting in forced removals and loss of traditional territories and altered traditions. Also covered is each group's origins, traditional songs, oral tradition, religious practices, foods, family patterns, and how they have survived and maintained their language, arts and culture. The course evaluates how the tribes shaped ancient and modern San Diego, including the socio-economic and political importance of gaming tribes and sovereignty. *Satisfies General Education for: Grossmont College D; CSU C2, D; IGETC 3B, 4*
Transfers to: CSU, UC

CROSS-CULTURAL STUDIES 143 † **Images of Black Women**

3 units, 3 hours lecture

A study of black women in the U.S. using literature, the arts and media, produced by and about black women. Explores the intersections of gender, race, and socio-economic class in black women's identity and experiences. Themes include power and resistance; work, family and culture; cultural representations and stereotypes, and the interplay of social processes on the development of identity. *Satisfies General Education for: Grossmont College C; CSU C2 D; IGETC 3B, 4*
Transfers to: CSU, UC

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 C; CSU C2, D; IGETC 3B, 4
Transfers to: CSU, UC (credit limited: see page 54)

CROSS-CULTURAL STUDIES 145 † **Introduction to Black Studies**

3 units, 3 hours lecture

An overview of Black Studies as a discipline, including its socio-political and academic origins, evolution of ideas, methodologies, and goals. Subject areas include history, politics, and economics; social systems; oppression and empowerment; family and community; identity; and contemporary issues. Scholarship, literature, media, and the arts illustrate the interdisciplinary approach to studying black experiences, behavior and thought.

Satisfies General Education for: Grossmont College D; CSU D; IGETC 4
Transfers to: CSU, UC

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 English as a Second Language 119 or equivalent.

This course covers the transnational/global concepts of gender, social, economic, political, cultural and intellectual/creative aspects of women in world society from prehistoric times to the early modern era (1500 C.E.). Societal structures, cultural norms, legal/sociological constructs, religious paradigms affecting women throughout Asia, Africa, Middle East, the Americas and Europe will be explored. The course will also focus upon gaining an understanding of women's past accomplishments, both major and mundane, as well as limitations, which may illuminate their present and future.

Satisfies General Education for: Grossmont College D; CSU D; IGETC 4
Transfers to: CSU, UC (credit limited: see page 54)

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 English as a Second Language 119 or equivalent.

This course covers the transnational/global concepts of gender, social, economic, political, cultural and intellectual/creative aspects of women in world society from 1500 C.E. to the present. Societal structures, cultural norms, legal/sociological constructs, religious paradigms affecting women throughout modern Asia, Africa, Middle East, the Americas and Europe will be explored. The course will also focus upon gaining an understanding of women's past accomplishments, both major and mundane, as well as limitations, which may illuminate their present and future.

Satisfies General Education for: Grossmont College D; CSU D; IGETC 4
Transfers to: CSU, UC (credit limited: see page 54)

† 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 English as a Second Language 119 or equivalent.

A survey of United States history from colonial times to the American Civil War seen from the perspective and experiences of African-Americans. The course will begin with examining the historical backdrop of African peoples in continental Africa and trace their story through early modern European contact, the slave trade, enslavement in the Americas, colonial America, the revolutionary and Constitutional era, the early Republic, participation in American institutions, sectional issues between North and South over slavery, the Civil War and emancipation. Course will also examine the contradictions, paradoxes and constitutional challenges of the American experiment of freedom alongside the institution of slavery. The course also explores the political, social, economic, legalistic, cultural, spiritual, literary and artistic life of African-Americans during this historical period. *Satisfies General Education for: Grossmont College D; CSU D; IGETC 4*
Transfers to: CSU, UC (credit limited: see page 54)

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 English as a Second Language 119 or equivalent.

A survey of United States history from Reconstruction to the present seen from the perspective and experience of African-Americans. The course begins with examining the historical backdrop of the Civil War's aftermath and the emancipation of slaves and then traces the African-American experience through modern American history. Topics include Reconstruction, Jim Crow South, late 19th century, pre WWI and the Progressive Era, WWI and the Roaring 20s, Depression Era, WWII and the home front, post-WWII era and segregation, Civil Rights Era, struggles of the 1960s and 1970s, and current times. Course also explores the contradictions, paradoxes and constitutional challenges, both federal and state, of the American experiment of equality alongside racial segregation and injustices. The course also explores

the political, social, economic, legalistic, cultural, spiritual, literary and artistic life of African-Americans during modern American history.

Satisfies General Education for: Grossmont College D; CSU D; IGETC 4

Transfers to: CSU, UC (credit limited: see page 54)

CROSS-CULTURAL STUDIES 194 †
Community Service Learning Experience

1 unit, 5 hours work experience per week

60 volunteer hours or 75 paid hours

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 45.
Transfers to CSU

CROSS-CULTURAL STUDIES 236 †
(English 236)**Chicano/Chicana Literature**

3 units, 3 hours lecture

Recommended Preparation: A "C" grade or higher or "Pass" in English 110 or equivalent.

This course introduces students to a survey of folk, traditional, and contemporary Chicano/Chicana literature. Literary works originally written in English and the Chicano/a bilingual idiom as well as English translations of works written in Spanish will be taught. Students examine the literature as a reflection of Chicano/a experience in the world and the effects of the literature on American culture and politics. Reading selections may consist of poetry, ballads, short stories, novels, plays, and nonfiction prose. Authors such as the following will be read, analyzed, discussed, and written about in critical essays and exams: Rudolfo Anaya, Lorna Dee Cervantes, Helena Maria Viamontes, Sandra Cisneros, Jimmy Santiago Baca, Luis J. Rodriguez, Luis Alberto Urrea, Dagoberto Gilb.

Satisfies General Education for: Grossmont College C; CSU C2; IGETC 3B

Transfers to: CSU, UC (credit limited: see page 54)

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 C; CSU C2; IGETC 3B*
Transfers to: CSU, UC (credit limited: see page 54)

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.

This course introduces students to a survey of folk, traditional, and contemporary Black literature. Students examine the literature as a reflection of Black experience in the world and the effects of the literature on American culture and politics. Reading selections may consist of poetry, short stories, novels, and nonfiction prose, including essays, letters, political tracts, autobiographies, speeches, and sermons. Authors such as the following will be read, analyzed, discussed, and written about in critical essays and exams: Phillis Wheatley, Harriet Jacobs, Frederick Douglass, Booker T. Washington, W.E.B. Du Bois, Zora Neale Hurston, Langston Hughes, Countee Cullen, Richard Wright, Gwendolyn Brooks, Amiri Baraka, Lucille Clifton, Maya Angelou, Toni Morrison, Alice Walker, August Wilson, Saul Williams, Ntozake Shange, and Natasha Trethewey.

Satisfies General Education for: Grossmont College C; CSU C2; IGETC 3B

Transfers to: CSU, UC (credit limited: see page 54)

See Also:

Child Development 153:

Teaching in a Diverse Society

French 152:

The French-Speaking World:

A Cross-Cultural Perspective

Japanese 149:

Japanese Culture and Civilization

Spanish 122:

Spanish for the Native Speaker I

Spanish 123:

Spanish for the Native Speaker II

† This course meets all Title 5 standards for Associate Degree Credit.

CULINARY ARTS (CA)

CULINARY ARTS 105 † Home Cooking Essentials

2 units, 1 hour lecture, 3 hours laboratory
Principles and application of home meal preparation and production. Includes effective utilization of time, equipment, finances and personnel. This course is offered on a Pass/No Pass basis only.
Transfers to CSU

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

† This course meets all Title 5 standards for Associate Degree Credit.



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

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

† This course meets all Title 5 standards for Associate Degree Credit.

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

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 188 † **World Beer Styles**

2 units, 2 hours lecture

An introduction to the various styles of beers produced locally and around the world. The course content includes the history of beer, production practices, taste and analysis and the relationship of food and beer pairings. This course is open to all students 21 years or older. This course is offered on a Pass/No Pass basis only.

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, 10 hours work experience per week
120 volunteer hours or 150 paid hours

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 45.

Transfers to CSU

CULINARY ARTS 282 † **Advanced Work Experience in Culinary Arts**

2 units, 10 hours work experience per week
120 volunteer hours or 150 paid hours

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 45.

Transfers to CSU

DANCE (DANC)

Unless specifically required by a transfer institution for preparation for a Dance major, students are limited to four enrollments in any combination of courses related in content (families). Students intending to major in Dance at a California State University or University of California campus that requires more than the limit should see a counselor. Refer to pages 37-39 to see "Limitations on Enrollment" for specific groups of families in dance. Dance and/or Exercise Science courses that meet the fitness/wellness requirements for general education are indicated by an asterisk (*).

DANCE 068* † **Introduction to Dance**

1.5 units, 1 hour lecture, 2 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 commonalities shared by various dance genres. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness. Requirements include attendance at one live dance concert produced by the dance department and participation in one department sponsored master class.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 54)

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 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 54)

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.

An intermediate level technique course focusing on rhythm tap technique. This class is designed for the dancer with previous training who needs to work on specific skills before moving on to a high level of tap dance. The class will include a center floor warm-up, as well as increasingly more complex loco-motor progressions, dance combinations, and improvisation. Dance videos will be shown periodically to illustrate the history, development, and pioneers of rhythm tap dance. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness. Students will be required to attend one live dance concert produced by the dance department and one department sponsored master class.

Satisfies General Education for Grossmont College Area E

Transfers to: CSU, UC (credit limited: see page 54)

† This course meets all Title 5 standards for Associate Degree Credit.

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 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 54)

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 previous beginning to low intermediate training who needs to work on specific skills before moving on to a higher level of modern dance. The class will include a center floor warm-up, movement progressions, and center floor patterns/combinations composed of qualities and movements introduced in the class. Dance videos will be shown periodically to illustrate a variety of movement styles and performance philosophies. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness. Students will be required to attend one live dance concert produced by the dance department and one department sponsored master class.

Satisfies General Education for Grossmont College Area E

Transfers to: CSU, UC (credit limited: see page 54)

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. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness. Attendance is required at one live dance concert produced by the dance department, and one department sponsored master class.

Satisfies General Education for Grossmont College Area E

Transfers to: CSU, UC (credit limited: see page 54)

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 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 54)

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 54)

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 54)

† 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 level technique class that focuses on basic skills related to modern dance and presents dance as a form of artistic expression. This course covers the history, theories and basic vocabulary of modern dance. Students will learn the fundamental principles of physical fitness and their impact on life-long health and wellness. Students will be required to attend one live dance concert produced by the dance department and one department sponsored master class.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 54)

DANCE 080B* † Modern II

1.5 units, 1 hour lecture, 2 hours laboratory
Recommended Preparation: A "C" grade or higher or "Pass" in Dance 080A or equivalent.
A beginning/intermediate level technique class that builds on the theories and principles introduced in Dance 080A, focuses on developing intermediate level skills related to modern dance, and presents dance as a form of artistic expression. This course covers the history, theories and vocabulary of modern dance. Students will learn the fundamental principles of physical fitness and their impact on life-long health and wellness. Students will be required to attend one live dance concert produced by the dance department and one department sponsored master class.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 54)

DANCE 080C* † Modern III

1.5 units, 1 hour lecture, 2 hours laboratory
Recommended Preparation: A "C" grade or higher or "Pass" in Dance 080B or equivalent.
An intermediate/advanced level technique class that builds on the theories and principles introduced in Dance 080B, focuses on developing intermediate/advanced level skills related to modern dance, and presents dance as a form of artistic expression. This course covers the history, and intermediate/advanced theories, and vocabulary of modern dance. Students will learn the fundamental principles of physical fitness and their impact on life-long health and wellness. Students will be required to attend one live dance concert produced by the dance department and one department sponsored master class.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 54)

DANCE 080D* † Modern IV

1.5 units, 1 hour lecture, 2 hours laboratory
Recommended Preparation: A "C" grade or higher or "Pass" in Dance 080C or equivalent.
An advanced level technique class that builds on the theories and principles introduced in Dance 080C, focuses on developing advanced level skills related to modern dance, and presents dance as a form of artistic expression. This course covers the history, and advanced theories and vocabulary of modern dance. Students will learn the fundamental principles of physical fitness and their impact on life-long health and wellness. Students will be required to attend one live dance concert produced by the dance department and one department sponsored master class.
Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 54)

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 54)

DANCE 081B* † Tap II

1.5 units, 1 hour lecture, 2 hours laboratory
Recommended Preparation: A "C" grade or higher or "Pass" in 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 54)

DANCE 081C* † Tap III

1.5 units, 1 hour lecture, 2 hours laboratory
Recommended Preparation: A "C" grade or higher or "Pass" in 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 54)

DANCE 081D* † Tap IV

1.5 units, 1 hour lecture, 2 hours laboratory
Recommended Preparation: A "C" grade or higher or "Pass" in 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 54)

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 54)

† This course meets all Title 5 standards for Associate Degree Credit.

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 introduced in Dance 082A and focuses on developing intermediate level skills related to ballroom dance. Discussions will also focus on the history, theories, and vocabulary of social and ballroom dance. Emphasis is placed on partnering technique, frame, style, and variations which increase in complexity for selected genres. This course is designed for dance and theatre majors as well as students who wish to explore historical dance. Students will be required to attend one live dance concert produced by the dance department, one department sponsored master class, and one ballroom related event.

Satisfies General Education for Grossmont College Area E

Transfers to: CSU, UC (credit limited: see page 54)

DANCE 083A* † **Latin American Dance I**

1.5 units, 1 hour lecture, 2 hours laboratory
Latin American Dance I is a beginning level survey course in a variety of established and emerging partnered dances of Latin American origin with an emphasis on Salsa dance. This course also addresses introductory techniques, styles, rhythms, leading or following skills, movement patterns and history of other selected dances of Latin American origin. This course is designed for students who wish to explore dances from Latin cultures and partnered dance. Students will learn the fundamental principles of physical fitness and their impact on life-long health and wellness. Students will be required to attend one live dance concert produced by the dance department, and one department sponsored master class.

Satisfies General Education for Grossmont College Area E

Transfers to: CSU (credit limited: see page 54), UC

DANCE 083B* † **Latin American Dance II**

1.5 units, 1 hour lecture, 2 hours laboratory
Recommended Preparation: A "C" grade or higher or "Pass" in Dance 083A or equivalent.

Latin American Dance II is an intermediate level survey course in a variety of established and emerging partnered dances of Latin American origin with an emphasis on Salsa dance. This course also addresses techniques, styles, rhythms, leading and following

skills, movement patterns and history of other selected dances of Latin American origin. This course is designed for students who wish to explore dances from Latin cultures and partnered dance. Students will also learn the principles of physical fitness and their impact on life-long health and wellness. Students will be required to attend one live dance concert produced by the dance department, and one department sponsored master class.

Satisfies General Education for Grossmont College Area E

Transfers to: CSU (credit limited: see page 54), UC

DANCE 084A* † **Jazz I**

1.5 units, 1 hour lecture, 2 hours laboratory

A beginning level technique class that focuses on basic skills related to jazz dance. Discussions will cover the history, theories, and basic vocabulary of jazz dance. Students will learn the fundamental principles of physical fitness and their impact on life-long health and wellness. Students will be required to attend one live dance concert produced by the dance department and one department sponsored master class.

Satisfies General Education for Grossmont College Area E

Transfers to: CSU, UC (credit limited: see page 54)

DANCE 084B* † **Jazz II**

1.5 units, 1 hour lecture, 2 hours laboratory

Recommended Preparation: A "C" grade or higher or "Pass" in Dance 084A or equivalent.

A beginning/intermediate level technique class that builds on the theories and principles introduced in Dance 084A and focuses on developing intermediate level skills related to jazz dance. Discussions will cover the history, theories, and vocabulary of jazz dance. Students will learn the fundamental principles of physical fitness and their impact on life-long health and wellness. Students will be required to attend one live dance concert produced by the dance department and one department sponsored master class.

Satisfies General Education for Grossmont College Area E

Transfers to: CSU, UC (credit limited: see page 54)

DANCE 084C* † **Jazz III**

1.5 units, 1 hour lecture, 2 hours laboratory

Recommended Preparation: A "C" grade or higher or "Pass" in Dance 084B or equivalent.

An intermediate/advanced level technique class that builds on the theories and principles introduced in Dance 084B and focuses on developing intermediate/advanced level skills

related to jazz dance. Discussions will cover the history and theories of jazz dance as well as intermediate/advanced level jazz dance vocabulary. Students will learn the fundamental principles of physical fitness and their impact on life-long health and wellness. Students will be required to attend one live dance concert produced by the dance department and one department sponsored master class.

Satisfies General Education for Grossmont College Area E

Transfers to: CSU, UC (credit limited: see page 54)

DANCE 084D* † **Jazz IV**

1.5 units, 1 hour lecture, 2 hours laboratory

Recommended Preparation: A "C" grade or higher or "Pass" in Dance 084C or equivalent.

An advanced level technique class that builds on the theories and principles introduced in Dance 084C and focuses on developing advanced level skills related to jazz dance. Discussions will cover the history and theories of jazz dance as well as advanced level jazz dance vocabulary. Students will learn the fundamental principles of physical fitness and their impact on life-long health and wellness. Students will be required to attend one live dance concert produced by the dance department and one department sponsored master class.

Satisfies General Education for Grossmont College Area E

Transfers to: CSU, UC (credit limited: see page 54)

DANCE 088A* † **Ballet I**

1.5 units, 1 hour lecture, 2 hours laboratory

A beginning level technique class, that focuses on basic skills pertaining to ballet. This course covers the history, theories and basic vocabulary of ballet. Students will learn the fundamental principles of physical fitness and their impact on life-long health and wellness. Students will be required to attend one live dance concert produced by the dance department and one department sponsored master class.

Satisfies General Education for Grossmont College Area E

Transfers to: CSU, UC (credit limited: see page 54)

DANCE 088B* † **Ballet II**

1.5 units, 1 hour lecture, 2 hours laboratory

Recommended Preparation: A "C" grade or higher or "Pass" in Dance 088A or equivalent.

A beginning/intermediate level technique course that builds on the theories and principles introduced in Dance 088A and focuses on developing intermediate skills related to ballet. This course covers the history, theories and vocabulary of ballet. Students will

† This course meets all Title 5 standards for Associate Degree Credit.

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 54)

DANCE 088C* † Ballet III

1.5 units, 1 hour lecture, 2 hours laboratory

Recommended Preparation: A "C" grade or higher or "Pass" in Dance 088B or equivalent.

An intermediate/advanced level technique course that builds on the theories and principles introduced in Dance 088B and focuses on developing intermediate/advanced skills related to ballet. This course covers the history, intermediate/advanced theories and vocabulary of ballet. Students will learn the fundamental principles of physical fitness and their impact on life-long health and wellness. Students will be required to attend one live dance concert produced by the dance department and one department sponsored master class.

Satisfies General Education for Grossmont College Area E

Transfers to: CSU, UC (credit limited: see page 54)

DANCE 088D* † Ballet IV

1.5 units, 1 hour lecture, 2 hours laboratory

Recommended Preparation: A "C" grade or higher or "Pass" in Dance 088C or equivalent.

An advanced technique course that builds on the theories and principles introduced in Dance 088C and focuses on developing advanced skills related to ballet. This course covers the history, advanced theories and vocabulary of ballet. Students will learn the fundamental principles of physical fitness and their impact on life-long health and wellness. Students will be required to attend one live dance concert produced by the dance department and one department sponsored master class.

Satisfies General Education for Grossmont College Area E

Transfers to: CSU, UC (credit limited: see page 54)

DANCE 094A* † Hip Hop 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, rhythm and interpretation of style. Emphasis is placed on

developing muscle memory, stamina, and movement skills related to hip hop dance. Lectures cover hip hop as a performing art and tool for social, political, and cultural expression. Dance videos are used to further illustrate various dance techniques, movement styles, and performance philosophies. Students will learn the fundamental principles of physical fitness and their impact on life-long health and wellness. Students are required to attend one live dance concert produced by the dance department and one department sponsored master class.

Satisfies General Education for Grossmont College Area E

Transfers to: CSU, UC (credit limited: see page 54)

DANCE 094B* † Hip Hop II

1.5 units, 1 hour lecture, 2 hours laboratory

Recommended Preparation: A "C" grade or higher or "Pass" in Dance 094A

A beginning/intermediate level technique class that builds on the theories, principles and skills introduced in Dance 094A and focuses on developing intermediate skills related to hip hop dance. Locomotor patterns and center floor combinations progress in length and complexity. Lectures cover hip hop as a performing art and tool for social, political, and cultural expression. Dance videos are used to further illustrate various dance techniques, movement styles, and performance philosophies. Students will learn the fundamental principles of physical fitness and their impact on life-long health and wellness.

Students are required to attend one live dance concert produced by the dance department and one department sponsored master class.

Satisfies General Education for Grossmont College Area E

Transfers to: CSU, UC (credit limited: see page 54)

DANCE 094C* † Hip Hop III

1.5 units, 1 hour lecture, 2 hours laboratory

Recommended Preparation: A "C" grade or higher or "Pass" in Dance 094B

An intermediate to advanced level technique class that builds on the theories, principles and skills introduced in Dance 094B and focuses on developing intermediate/advanced level skills related to hip hop dance. Locomotor patterns and center floor combinations progress in length and complexity. Lectures cover hip hop as a performing art and tool for social, political, and cultural expression. Dance videos are used to further illustrate various dance techniques, movement styles, and performance philosophies. Students will learn the fundamental

principles of physical fitness and their impact on life-long health and wellness. Students are required to attend one live dance concert produced by the dance department and one department sponsored master class.

Satisfies General Education for Grossmont College Area E

Transfers to: CSU, UC (credit limited: see page 54)

DANCE 094D* † Hip Hop IV

1.5 units, 1 hour lecture, 2 hours laboratory

Recommended Preparation: A "C" grade or higher or "Pass" in Dance 094C

An advanced level technique class that builds on the theories, principles and skills introduced in Dance 094C and focuses on developing advanced level skills related to hip hop dance. Locomotor patterns and center floor combinations progress in length and complexity. Lectures cover hip hop as a performing art and tool for social, political, and cultural expression. Dance videos are used to further illustrate various dance techniques, movement styles, and performance philosophies. Students will learn the fundamental principles of physical fitness and their impact on life-long health and wellness. Students are required to attend one live dance concert produced by the dance department and one department sponsored master class.

Satisfies General Education for Grossmont College Area E

Transfers to: CSU, UC (credit limited: see page 54)

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

† This course meets all Title 5 standards for Associate Degree Credit.



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 088A 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 point skills, students are expected to have previous experience and be able to execute intermediate level ballet skills. Also covered are the theories, and vocabulary of ballet as they relate to pointe. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness. Students will be required to attend one live dance concert produced by the dance department, and one department sponsored master class.

Satisfies General Education for Grossmont College Area E

Transfers to: CSU, UC (credit limited: see page 54)

DANCE 099B* † **Studio Workshop in Pointe II**

1 unit, 1 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

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 54)

DANCE 099C* † **Studio Workshop in Pointe III**

1 unit, 1 hour lecture, 1 hour laboratory

Recommended Preparation: A "C" grade or higher or "Pass" in Dance 088B, or 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 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 54)

DANCE 110 † **Dance History**

3 units, 3 hours lecture

This course explores the development of dance from pre-Christian civilizations to the present and may be of interest to students who are developing an appreciation of dance as well as the serious dance student.

Satisfies General Education for: Grossmont College C, 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, CSU D*
Transfers to: CSU, UC (credit limited: see page 54)

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.

Satisfies General Education for Grossmont College Area E

Transfers to: CSU, UC (credit limited: see page 54)

† This course meets all Title 5 standards for Associate Degree Credit.

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.

Satisfies General Education for Grossmont College Area E

Transfers to: CSU, UC (credit limited: see page 54)

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.

Satisfies General Education for Grossmont College Area E

Transfers to: CSU, UC (credit limited: see page 54)

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.

Satisfies General Education for Grossmont College Area E

Transfers to: CSU, UC (credit limited: see page 54)

DANCE 120 † Dance Appreciation

3 units, 3 hours lecture

Dance Appreciation is a survey course that examines dance as a primary mode of human expression and communication. Through viewing live and recorded performances and engaging in assigned readings, the student will place dance in a variety of cultural, artistic and historical contexts with a focus on dance in the twentieth century. Students will learn to investigate and evaluate trends and styles in dance in the historical and cultural context.

Satisfies General Education for: Grossmont College C; CSU C1, IGETC 3A

Transfers to: CSU, UC

DANCE 121 † Beginning Teaching Practicum – Dance

1.5 units, 1 hour lecture, 2 hours laboratory

Prerequisite: A "C" grade or higher or "Pass" in Dance 080C or 084C or 088C or 094C or 118C 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, 1 hour lecture, 2 hours laboratory

Prerequisite: A "C" grade or higher or "Pass" in 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, 1 hour lecture, 2 hours laboratory

Prerequisite: A "C" grade or higher or "Pass" in Dance 122 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 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 200A † Touring Dance Ensemble I

2 units, 1 hour lecture, 3 hours laboratory

Prerequisite: Audition

This course focuses on performance skills and techniques in preparation for professional applications. Intermediate and advanced level dance students rehearse and perform choreography in a variety of performance venues both on campus and in the community. Though most performances will be scheduled during class time, additional performances may be held during the evening and/or on weekends.

Transfers to CSU

† This course meets all Title 5 standards for Associate Degree Credit.

DANCE 200B † **Touring Dance Ensemble II**

2 units, 1 hour lecture, 3 hours laboratory

Prerequisite: Audition

This course focuses on choreographic and/or performance skills and techniques in preparation for professional applications. Intermediate and advanced level dance students work as choreographers and/or dancers, and rehearse and perform choreography in a variety of performance venues both on campus and in the community.

Though most performances will be scheduled during class time, additional performances may be held during the evening and/or on weekends. Students also learn the rudiments of starting and running a dance company.

Transfers to: CSU

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 204 † **Dance Improvisation**

1.5 units, 1 hour lecture, 2 hours laboratory

Recommended Preparation: Dance 080A or 084A or 088A or equivalent

This course introduces the art and practice of improvisational dance. It also focuses on movement generation through the study of time, space, shape, effort, and body. Students are guided through specific exercises which enable them to discover the joy of movement and to enter into a free environment in which one can explore the unique and creative language of physical expression.

Transfers to: CSU, UC

DANCE 205 † **Choreography I**

2 units, 1 hour lecture, 3 hours laboratory

Recommended Preparation: A "C" grade or higher or "Pass" in Dance 080A or 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

DANCE 206 † **Choreography 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 more complex compositional forms and choreographic tasks 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

† This course meets all Title 5 standards for Associate Degree Credit.

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, UC

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, UC

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, UC

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, UC

ECONOMICS (ECON)

ECONOMICS 110 † **Economic Issues and Policies**

3 units, 3 hours lecture

An introduction to fundamental economic concepts as applied to real-world issues. Topics may include environmental protection, disaster relief, national debt, health care, crime, income inequality, poverty, and financial bubbles. Analysis of government policy and contrasting economic perspectives will also be addressed. (NOTE: The UC system will not award credit for ECON 110 if taken after ECON 120 or 121.) *Satisfies General Education for:* Grossmont College D; CSU D; IGETC 4 *Transfers to:* CSU, UC (credit limited: see page 54)

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 macroeconomic theory and policy; the role of money supply; monetary theory; and Federal Reserves policy, alternative stabilization policies, problems of economic growth, income distribution, and other topics. Current economic

problems are examined by guest and staff speakers from liberal, conservative, and radical perspectives. *Satisfies General Education for:* Grossmont College D; CSU D; IGETC 4 *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 D; CSU D; IGETC 4 *Transfers to:* CSU, UC

ECONOMICS 195 † **Internship in Economics**

1 unit, 5 hours work experience per week
60 volunteer hours or 75 paid hours

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 45. *Transfers to:* CSU

ECONOMICS 197 † **Internship in Economics**

2 units, 10 hours work experience per week
120 volunteer hours or 150 paid hours

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

† This course meets all Title 5 standards for Associate Degree Credit.

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 45.

Transfers to CSU

ECONOMICS 215 † **Statistics for Business and Economics**

3 units, 3 hours lecture

Prerequisite: A "C" grade or higher or "Pass" in Math 103 or 110 or equivalent.

Introduction to descriptive and inferential statistics including regression and correlation analysis. Application of statistical techniques to conduct research and analysis in various business and economic environments.

Satisfies General Education for: Grossmont College A3; CSU B4; IGETC 2A

Transfers to: CSU, UC

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 economies 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 D; IGETC 4

Transfers to: CSU, UC

EDUCATION (ED)

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

† This course meets all Title 5 standards for Associate Degree Credit.

†† This course meets all Title 5 standards for Nondegree Credit.

ENGLISH (ENGL)

ENGLISH 020 †† **Support for Freshman Composition**

1 unit, 1 hour lecture

Corequisite: English 120

This course is designed to review and reinforce the skills necessary to be successful in English 120 (freshman composition). Students will study the elements and principles of composition through the practice of editing and revising narrative, expository, and argumentative essays. Students will also be introduced to effective reading skills and strategies necessary for the reading of college level material. This course is offered on a Pass/No Pass basis only. Nondegree applicable.

ENGLISH 061 †† **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 †† **Writing Skills II**

1 unit, 1 hour lecture, 1 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 †† **Writing Skills III**

1 unit, 1 hour lecture, 1 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 †† **Writing Skills IV**

1 unit, 1 hour lecture, 1 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 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).

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: Assessment recommendation for English 098.

Recommended Preparation: A "Pass" grade in English 090 and English 090R or a "C" grade or higher or "Pass" in English 105 or equivalent.

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 099 †† **Accelerated Preparation for College Reading, Reasoning, and Writing**

5 units, 5 hours lecture

Prerequisite: Assessment recommendation for English 098.

Recommended Preparation: A "Pass" grade in English 090 and 090R or equivalent

This course is designed to prepare students for the academic reading, reasoning, and writing expected in transfer and associate degree courses. Students will engage in the essential practice of academic inquiry-discovering through reading, discussion, and writing, new views, new knowledge, and new truths about relevant and complex issues. In a highly supportive learning environment, students will develop critical reading, reasoning, and writing strategies and skills to help them engage in research and write academic essays by using and acknowledging multiple sources. Not open to students with credit in English 098 or English 110. (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 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, UC

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 120 † **College Composition and Reading**

3 units, 3 hours lecture

Prerequisite: A "C" grade or higher or "Pass" in English 099 or equivalent or appropriate placement in 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

ENGLISH 122 † **Introduction to Literature**

3 units, 3 hours lecture

Prerequisite: A "C" grade or higher or "Pass" in English 120 or equivalent.

This course introduces representative works from various literary genres (such as myths, folktales, short stories, poems, plays, novels, essays, and creative nonfiction); develops students' close reading and analytical writing skills; and promotes appreciation and critical understanding of the cultural, historical, and aesthetic qualities of literature.

Satisfies General Education for: Grossmont College C; 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 English as a Second Language 122 or equivalent.

This course offers instruction in argumentation and critical thinking, and rhetorical analysis of complex texts with continued practice in information literacy and appropriate integration and documentation of source materials.

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 C

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 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 54)

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 54)

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 54)

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 54)

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 C

Transfers to: CSU, UC (credit limited: see page 54)

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 C

Transfers to: CSU, UC (credit limited: see page 54)

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 C

Transfers to: CSU, UC (credit limited: see page 54)

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 C

Transfers to: CSU, UC (credit limited: see page 54)

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

† This course meets all Title 5 standards for Associate Degree Credit.

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 54)

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 54)

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 54)

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 54)

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

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 54)

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 54)

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 54)

† This course meets all Title 5 standards for Associate Degree Credit.

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 54)

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 54)

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 54)

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 54)

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 54)

ENGLISH 195 A-B-C-D † Community Service Learning Experience

1 unit, 5 hours work experience per week

60 volunteer hours or 75 paid hours

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 45.

ENGLISH 201 † Images of Women in Literature

3 units, 3 hours lecture

This course is designed to examine the images of women in diverse literature and to interpret such literature in historical, political, psychological, and cultural contexts. Critical thinking, reading, and writing skills are used to scrutinize narratives about women-narratives which sometimes project myths both men and women perpetuate. *Satisfies General Education for: Grossmont College C; 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 C

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.

This world mythology course is designed to explore the similarities and differences among the myths of widely separated peoples as a means of interpreting their literature within historical and cultural contexts.

Satisfies General Education for: Grossmont College C; CSU C2; IGETC 3B

Transfers to: CSU, UC

ENGLISH 217 † Fantasy and Science Fiction

3 units, 3 hours lecture

An introduction to genre literature, ranging from gothic romance to heroic and other fantasies and from space-adventure to socially-critical contemporary science fiction. Course will examine the traditional, canonical, and historical backgrounds from which popular literatures derive, and explore the place of science fiction and fantasy in popular culture past and present.

Satisfies General Education for: Grossmont College C; CSU C2; IGETC 3B

Transfers to: CSU, UC

† This course meets all Title 5 standards for Associate Degree Credit.

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.

This course introduces students to William Shakespeare’s plays and the theatre of his time. Students will read, interpret, and analyze several of Shakespeare’s plays—including the play(s) being produced or viewed locally—that represent the full range of his comedic, historical, and tragic works, such as *A Midsummer Night’s Dream*, *Twelfth Night*, *Richard II*, *Henry IV*, *Othello*, *Macbeth*, *King Lear*, and *Hamlet*. The point of the course is to prepare students to understand and appreciate more fully the experience of seeing, reading, and discussing Shakespeare. The course will make apt use of actors in the classroom, good films, recordings of the plays, and theatre tours.

Satisfies General Education for: Grossmont College, C, CSU C2; IGETC 3B
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 C; 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: A “C” grade or higher or “Pass” in English 122 or equivalent.

This course is a survey of 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 such as the following will be read, analyzed, discussed, and written about in critical essays and exams: Geoffrey Chaucer, William Langland, Edmund Spenser, Christopher Marlowe, William Shakespeare, John Donne, Ben Johnson, John Milton, Lady Mary Wroth, Aphra



Behn, Alexander Pope, Samuel Johnson, and Jonathon Swift.

Satisfies General Education for: Grossmont College C; CSU C2; IGETC 3B
Transfers to: CSU, UC

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: A “C” grade or higher or “Pass” in English 122 or equivalent.

This course is a survey of 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, Charles Dickens, Elizabeth Browning, Robert Browning, Emily Bronte, Oscar Wilde, Jane Austen, Thomas Hardy, Walter Pater, William Yeats, D.H. Lawrence, Virginia Woolf, James Joyce, T. S. Eliot, Doris Lessing, Seamus Heaney, Ted Hughes, Salman Rushdie, and Derek Walcott.

Satisfies General Education for: Grossmont College C; 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 54)

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 54)

† This course meets all Title 5 standards for Associate Degree Credit.

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 54)

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 54)

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: A "C" grade or higher or "Pass" in English 122.

This course is a survey of American authors and their relationship to major literary and intellectual movements, from America's beginnings to the second half of the nineteenth century. Reading selections may consist of poetry, short stories, novels, and nonfiction prose, including essays, letters, political tracts, autobiographies, speeches, and sermons. Authors such as the following will be read, analyzed, discussed, and written about in critical essays and exams: pre-Colonial Native American authors, Mary Rowlandson, Anne Bradstreet, Benjamin Franklin, J. Hector, St. John de Crevecoeur, Phillis Wheatley, Washington Irving, Henry David Thoreau, Edgar Allan Poe, Sojourner Truth, Walt Whitman, Frederick Douglass, Herman Melville, and Louisa May Alcott.

Satisfies General Education for: Grossmont College C; 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: A "C" grade or higher or "Pass" in English 122 or equivalent.

This course introduces students to a survey of American authors and their relationship to major literary and intellectual movements from the second half of the nineteenth century to the present. 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 critical essays and exams: Walt Whitman, Emily Dickinson, Mark Twain, Kate Chopin, Charlotte Perkins Gilman, Sin Sin Far, Henry James, Stephen Crane, Zitkala Šša, William Carlos Williams, E. E. Cummings, Ernest Hemingway, Langston Hughes, Richard Wright, Tennessee Williams, Allen Ginsburg, Sylvia Plath, Leslie Marmon Silko, Art Spiegelman, Toni Morrison, Cormac McCarthy, and Junot Díaz.

Satisfies General Education for: Grossmont College C; CSU C2; IGETC 3B

Transfers to: CSU, UC

ENGLISH 236 † **Chicano/Chicana Literature**

3 units, 3 hours lecture

Recommended Preparation: A "C" grade or higher or "Pass" in English 110 or equivalent.

This course introduces students to a survey of folk, traditional, and contemporary Chicano/Chicana literature. Literary works originally written in English and the Chicano/a bilingual idiom as well as English translations of works written in Spanish will be taught. Students examine the literature as a reflection of Chicano/a experience in the world and the effects of the literature on American culture and politics. Reading selections may consist of poetry, ballads, short stories, novels, plays, and nonfiction prose. Authors such as the following will be read, analyzed, discussed, and written about in critical essays and exams: Rudolfo Anaya, Lorna Dee Cervantes, Helena Maria Viramontes, Sandra Cisneros, Jimmy Santiago Baca, Luis J. Rodriguez, Luis Alberto Urrea, Dagoberto Gilb.

Satisfies General Education for: Grossmont College C; CSU C2; IGETC 3B

Transfers to: CSU, UC (credit limited: see page 54)

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 C; CSU C2; IGETC 3B

Transfers to: CSU, UC (credit limited: see page 54)

ENGLISH 238 † **Black Literature**

3 units, 3 hours lecture

Recommended Preparation: A "C" grade or higher or "Pass" in English 110 or equivalent.

This course introduces students to a survey of folk, traditional, and contemporary Black literature. Students examine the literature as a reflection of Black experience in the world and the effects of the literature on American culture and politics. Reading selections may consist of poetry, short stories, novels, and nonfiction prose, including essays, letters, political tracts, autobiographies, speeches, and sermons. Authors such as the following will be read, analyzed, discussed, and written about in critical essays and exams: Phillis Wheatley, Harriet Jacobs, Frederick Douglass, Booker T. Washington, W.E.B. Du Bois, Zora Neale Hurston, Langston Hughes, Countee Cullen, Richard Wright, Gwendolyn Brooks, Amiri Baraka, Lucile Clifton, Maya Angelou, Toni Morrison, Alice Walker, August Wilson, Saul Williams, Ntozake Schange, and Natasha Trethewey.

Satisfies General Education for: Grossmont College C; CSU C2; IGETC 3B

Transfers to: CSU, UC (credit limited: see page 54)

ENGLISH 275 † **Literary Period**

3 units, 3 hours lecture

Recommended Preparation: A "C" grade or higher or "Pass" in 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 C

Transfers to CSU

† This course meets all Title 5 standards for Associate Degree Credit.

ENGLISH 276 † **Major Author**

3 units, 3 hours lecture

Recommended Preparation: A "C" grade or higher or "Pass" in 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 C

Transfers to CSU

ENGLISH 277 † **Literary Theme**

3 units, 3 hours lecture

Recommended Preparation: A "C" grade or higher or "Pass" in 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 C

Transfers to CSU

ENGLISH AS A SECOND LANGUAGE (ESL)

ENGLISH AS A SECOND LANGUAGE 088 †† **Literacy and Communication**

6 units, 6 hours lecture

Corequisite: A "Pass" grade or concurrent enrollment in ESL 088L and ESL 088R

This is an English language development course for non-native speakers of English at the beginning level. Students learn basic reading, writing, and grammar skills through the exploration of genre-based thematic units. Students will become aware of audience and purpose, and will develop an understanding of college culture necessary for academic success. Students will also grow in their cultural competence as they examine texts and media and interact with peers and instructors in a multicultural classroom setting. This course is offered on a Pass/No Pass basis only. (Nondegree credit course)

ENGLISH AS A SECOND LANGUAGE 088L †† **Understanding and Speaking American English in College and Everyday Life**

3 units, 3 hours lecture

Corequisite: ESL 088

ESL 088L is a beginning-level course designed to improve the listening and speaking skills needed for cross-cultural understanding and successful interaction in college and everyday life. Listening comprehension of American English is improved through guided practice in a variety of genres, including class lectures, video and live presentations, interviews, and conversations. Students increase accuracy and fluency in their spoken communication as they improve their pronunciation and intonation. Both listening and speaking skills are greatly enhanced through the learning of grammar and vocabulary. Additionally, students grow in their cultural competence as they examine texts and media and interact with peers and the instructor in a multicultural class. This course is offered on a Pass/No Pass basis only. (Nondegree credit course)

ENGLISH AS A SECOND LANGUAGE 088R †† **Reading and Vocabulary for College and Everyday Life**

3 units, 3 hours lecture

Corequisite: ESL 088

This reading course is designed to develop ESL students' vocabulary and reading through the exploration of genre-based thematic units. This course aims to help students improve their reading skills and to expand their understanding and use of vocabulary. Additionally, students will grow in their cultural competence as they examine texts and media and interact with peers and instructors in a multicultural classroom setting. This course is offered on a Pass/No Pass basis only. (Nondegree credit course)

ENGLISH AS A SECOND LANGUAGE 098 †† **Introduction to Academic English**

6 units, 6 hours lecture

Prerequisite: A "Pass" grade in ESL 088 or advisory placement in ESL 098 or equivalent.

Corequisite: A "Pass" grade or concurrent enrollment in ESL 098G and ESL 098P.

ESL 098 is an English language development course for non-native speakers of English at the intermediate level. The course further develops the skills taught in ESL 088. The class focuses on the improvement of writing in several genres in conjunction with the development of reading, listening, speaking, and grammar skills. Reading and listening are presented in thematic units and serve as sources for students to compose informative writing with the development of knowledge and effective use of new vocabulary. Readings also serve as model genres to help students learn to write using common features to convey specific kinds of information. In addition, students will become more aware of audience and purpose in writing, and they will grow in their cultural competence as they analyze text and media and interact with others in a multicultural class setting. This course is offered on a Pass/No Pass basis only. (Nondegree credit course)

ENGLISH AS A SECOND LANGUAGE 098G †† **Essential Grammar for Written and Spoken Communication**

3 units, 3 hours lecture

Prerequisite: A "Pass" grade in ESL 088 or advisory placement in ESL 098 or equivalent.

Corequisite: ESL 098

ESL 098G is a course on the essentials of English grammar needed to increase accuracy and fluency in communication. The course is designed specifically for non-native speakers of English at the intermediate level to increase their appreciation for the importance of accurate grammar in their language use. Students will learn the systems of grammar that shape language and apply those rules in their written and spoken communication in various genres. Course assignments will serve to build and reinforce students' ability to use English grammar to convey intended meaning correctly and effectively in interpersonal, intercultural, and academic discourse. This course is offered on a Pass/No Pass basis only. (Nondegree credit course)

† 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
098P ††****Sounds and Rhythms of
American English***3 units, 3 hours lecture**Prerequisite:* A "Pass" grade in ESL 088 or advisory placement in ESL 098 or equivalent.*Corequisite:* ESL 098

This is an intermediate-level course designed to assist non-native English speakers in developing both oral and aural language skills through their understanding of spoken North American English as well as the articulation of this particular dialect in varied genres and with different communicative purposes. All in-class and extra-class lessons are designed to assist non-native English speakers who have acquired level-appropriate vocabulary and a functional level of grammatical accuracy. This course is offered on a Pass/No Pass basis only. (Nondegree credit course)

**ENGLISH AS A SECOND LANGUAGE
105 ††****Rhetoric for Academic
Success***6 units, 6 hours lecture**Prerequisite:* A "Pass" grade in ESL 098 or advisory placement in ESL 105 or equivalent.

ESL 105 is an English language development course for non-native speakers of English at the advanced level. This course further develops the skills taught in ESL 098 including academic and non-academic reading, writing, listening, speaking and grammar skills through the exploration of genre-based thematic units. Students will examine the features of a variety of texts in authentic and adapted form in order to develop genre awareness and apply this knowledge to new reading and writing opportunities. Students will read and analyze authentic and adapted texts as models for their own writing and speaking practice. Students will expand their cultural competence as they analyze texts and engage in cross-cultural communication with instructor and peers. (Nondegree credit only)

**ENGLISH AS A SECOND LANGUAGE
115****Academic Discourse through
U.S. Cultures***6 units, 6 hours lecture**Prerequisite:* A "C" grade or higher or "Pass" in ESL 105 or advisory placement in ESL 115 or equivalent.

ESL 115 is an English language course for non-native speakers of English that explores themes in U.S. cultures through authentic texts to further develop advanced critical reading, writing, listening, and speaking while exploring various styles of academic inquiry across the disciplines. Utilizing thematic modules, students become increasingly aware of their dynamic role as reader and writer as they learn to identify the connection between audience, genre, and purpose in order to compose texts within particular discourse communities, including various academic disciplines. Students learn about U.S. cultures, the cultures of the classmates, and reflect upon their own cultures, while working in groups in order to apply their perspectives to solve problems. Students compose texts in several genres in conjunction with the development of reading, listening, grammar, and vocabulary skills.

*Satisfies General Education for Grossmont College Area C; CSU C2
Transfers to CSU, UC*

**ENGLISH AS A SECOND LANGUAGE
122****College Rhetoric***6 units, 6 hours lecture**Prerequisite:* A "C" grade or higher or "Pass" in ESL 115 or advisory placement in ESL 122.

ESL 122 is the transfer-level English course for non-native speakers designed to enhance critical reading, writing, listening, and speaking through academic inquiry across the disciplines. Based on thematic modules, students analyze and evaluate a variety of texts in response to particular audiences and purposes. Students compose expository and argumentative academic papers and oral presentations, including an extended argument, which synthesized, integrates, and acknowledges multiple sources. Students expand their cultural competence as they analyze text and media on contemporary issues and engage in meaningful dialogue with the instructor, peers, and target audience. They employ effective strategies for producing writing that reflects accuracy and fluency.

*Satisfies General Education for: Grossmont College A1; CSU A2; IGETC 1A
Transfers to CSU, UC*

**ETHNIC, GENDER,
AND SOCIAL
JUSTICE STUDIES****"See Cross Cultural Studies"****EXERCISE SCIENCE
AND WELLNESS (ES)**

Unless specifically required by a transfer institution for preparation for an Exercise Science major, students are limited to four enrollments in any combination of courses related in content (families). Students intending to major in Exercise Science at a California State University or University of California campus that requires more than the limit should see a counselor. Refer to page 38 to see "Limitations on Enrollment" for specific groups of families in exercise science.

Students should progress from Beginning to Intermediate and to Advanced levels in the courses that have an "ABC" designation to facilitate success. Students should not move backward in levels. The only courses that may be repeated are the Intercollegiate Athletic courses numbered 200-240, 262, and 263, which may be taken four (4) times maximum. No other Exercise Science course may be repeated for credit.

Exercise Science courses that meet the fitness/wellness requirements for general education are indicated by an asterisk (*). NOTE: Intercollegiate athletic courses do NOT meet the fitness/wellness requirement.

Adapted Exercise Science

Exercise Science 001, 002, 003, 029, 030, 035 and 041 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.

Physical Fitness**EXERCISE SCIENCE 001* †
Adapted Physical Exercise***1 unit, 1 hour lecture, 1 hour laboratory*

This course is designed to develop various components of physical fitness for students with verified disabilities. Physical assessment, appropriate exercise equipment and personalized exercise program will be prescribed. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness. *Satisfies General Education for Grossmont College Area E
Transfers to: CSU, UC (credit limited: see page 54)*

† This course meets all Title 5 standards for Associate Degree Credit.

†† This course meets all Title 5 standards for Nondegree Credit.

EXERCISE SCIENCE 002* † **Advanced Adapted Physical Exercise**

1 unit, 1 hour lecture, 1 hour laboratory
Recommended Preparation: A "C" grade or higher or "Pass" in ES 001 or equivalent or specified skill competencies.

Advanced physical exercise course designed for students with verified disabilities. Emphasis placed on muscular fitness through resistance exercises. Physical assessment, appropriate exercise equipment and personalized prescribed weight training programs will be developed. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness. *Satisfies General Education for Grossmont College Area E*
Transfers to: CSU, UC (credit limited: see page 54)

EXERCISE SCIENCE 003* † **Adapted Aerobic Fitness**

1 unit, 1 hour lecture, 1 hour laboratory
This course is designed to provide a fitness exercise program for students with verified disabilities. Includes methods of strength attainment and flexibility training, with emphasis on aerobic conditioning. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness. *Satisfies General Education for Grossmont College Area E*
Transfers to: CSU, UC (credit limited: see page 54)

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 limited: see page 54)

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 limited: see page 54)

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 limited: see page 54)

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 54)

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 limited: see page 54)

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

† This course meets all Title 5 standards for Associate Degree Credit.

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 54)

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 54)

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 limited see page 54)

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

Transfers to: CSU, UC (credit limited: see page 54)

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 54)

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

Transfers to: CSU, UC (credit limited: see page 54)

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

Transfers to: CSU, UC (credit limited: see page 54)

EXERCISE SCIENCE 008A* † Beginning Indoor Cycling

1 unit, 1 hour lecture, 1 hour laboratory

This course is designed to provide a beginning level indoor cycling experience to develop the key components of health-related physical fitness: cardiorespiratory, endurance, muscular strength/endurance, body composition, and flexibility. The components of fitness will be met through structured individually paced indoor group cycling classes. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness.

Satisfies General Education for Grossmont College Area E

Transfers to: CSU, UC (credit limited: see page 54)

EXERCISE SCIENCE 008B* † Intermediate Indoor Cycling

1 unit, 1 hour lecture, 1 hour laboratory

Recommended Preparation: A "C" grade or higher or "Pass" in ES 008A or equivalent or specified skill competencies

A continuation of ES 008A emphasizing the development of an intermediate level of indoor cycling. Students will complete physical challenging activities to achieve an intermediate level of cardiorespiratory endurance, muscular strength/endurance, body composition, and flexibility. Intermediate exercise theories will be met through structured indoor cycling methods and practices. Students will also interpret principles of physical fitness and their impact on life-long health and wellness.

Satisfies General Education for Grossmont College Area E

Transfers to: CSU, UC (credit limited: see page 54)

† This course meets all Title 5 standards for Associate Degree Credit.

EXERCISE SCIENCE 008C* † **Advanced Indoor Cycling**

1 unit, 1 hour lecture, 1 hour laboratory

Recommended Preparation: A "C" grade or higher or "Pass" in ES 008B or equivalent or specified skill competencies

A continuation of ES 008B emphasizing the development of advanced level of indoor cycling. Students will complete physical challenging activities to achieve an advanced level of cardiorespiratory endurance, muscular strength/ endurance, body composition, and flexibility. Advanced exercise theories will be met through structured indoor cycling methods and practices. Students will also summarize principles of physical fitness and their impact on life-long health and wellness.

Satisfies General Education for Grossmont College Area E

Transfers to: CSU, UC (credit limited: see page 54)

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 54)

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

Transfers to: CSU, UC (credit limited: see page 54)

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

Transfers to: CSU, UC (credit limited: see page 54)

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 54)

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

Transfers to: CSU, UC (credit limited: see page 54)

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 54)

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, UC (credit limited: see page 54)

† 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, UC (credit limited: see page 54)

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, UC (credit limited: see page 54)

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 54)

EXERCISE SCIENCE 023B* † Intermediate Weight Training

1 unit, 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 54)

EXERCISE SCIENCE 023C* † Advanced Weight Training

1 unit, 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 54)

EXERCISE SCIENCE 024A* † Beginning Fitness Boot Camp

1 unit, 1 hour lecture, 1 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 54)

EXERCISE SCIENCE 024B* † Intermediate Fitness Boot Camp

1 unit, 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 54)

† 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 54)

EXERCISE SCIENCE 026* † Stress Reduction Through Movement and Mindfulness

1 unit, 1 hour lecture, 1 hour laboratory

The course serves as an introduction to stress-reduction practice with emphasis on developing mindfulness-based techniques to improve mind-body awareness. Students will participate in a variety of techniques and practical movement exercises that allow for in-depth personal exploration of awareness in everyday life. In addition, students will learn the fundamental principles of physical fitness and their impact on life-long health and wellness.

Satisfies General Education for Grossmont College Area E

Transfers to: CSU, UC (credit limited: see page 54)

EXERCISE SCIENCE 027A* † Beginning T'ai Chi Ch'uan

1 unit, 1 hour lecture, 1 hour laboratory

This course introduces the fundamental concepts of T'ai Chi Ch'uan. This ancient Chinese exercise form consists of a series of classical martial arts postures which gracefully flow together in slow motion. It benefits health and wellness by emphasizing mental tranquility, inner awareness, relaxation, stress reduction, muscle control and flexibility. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness.

Satisfies General Education for Grossmont College Area E

Transfers to: CSU, UC (credit limited: see page 54)

EXERCISE SCIENCE 027B* † Intermediate T'ai Chi Ch'uan

1 unit, 1 hour lecture, 1 hour laboratory

Recommended Preparation: A "C" grade or higher or "Pass" in ES 027A or equivalent or specified skill competencies.

This course introduces the intermediate concepts of T'ai Chi Ch'uan. This ancient Chinese exercise form consists of a series of classical martial arts postures which gracefully flow together in slow motion. It benefits health and wellness by emphasizing mental tranquility, inner awareness, relaxation, stress reduction, muscle control and flexibility. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness.

Satisfies General Education for Grossmont College Area E

Transfers to: CSU, UC (credit limited: see page 54)

EXERCISE SCIENCE 027C* † Advanced T'ai Chi Ch'uan

1 unit, 1 hour lecture, 1 hour laboratory

Recommended Preparation: A "C" grade or higher or "Pass" in ES 027B or equivalent or specified skill competencies.

This course introduces the advanced concepts of T'ai Chi Ch'uan. This ancient Chinese exercise form consists of a series of classical martial arts postures which gracefully flow together in slow motion. It benefits health and wellness by emphasizing mental tranquility, inner awareness, relaxation, stress reduction, muscle control and flexibility. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness.

Satisfies General Education for Grossmont College Area E

Transfers to: CSU, UC (credit limited: see page 54)

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 54)

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 54)

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 54)

† This course meets all Title 5 standards for Associate Degree Credit.

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 54)

Aquatics

EXERCISE SCIENCE 030* † **Adapted Aquatic Sports Education**

1 unit, 1 hour lecture, 1 hour laboratory

A class for students with verified disabilities providing various aquatic sports and activities. This class is designed to offer the student experiences in competitive swimming, water polo, other aquatic games and conditioning exercises. Personalized programs will be designed and developed. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness.

Satisfies General Education for Grossmont College Area E

Transfers to: CSU, UC (credit limited: see page 54)

EXERCISE SCIENCE 035* † **Adapted Swimming**

1 unit, 1 hour lecture, 1 hour laboratory

This course offers instruction and practice in basic swimming and aquatic skills for students with verified disabilities. Emphasis on cardiorespiratory and muscular endurance, stroke mechanics and water safety through a personalized aquatic program. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness.

Satisfies General Education for Grossmont College Area E

Transfers to: CSU, UC (credit limited: see page 54)

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 54)

EXERCISE SCIENCE 037B* † **Intermediate Springboard Diving**

1 unit, 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 54)

EXERCISE SCIENCE 037C* † **Advanced Springboard Diving**

1 unit, 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 54).

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 54)

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 54)

EXERCISE SCIENCE 040B* † **Intermediate Aquatic Fitness**

1 unit, 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 54)

† 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 54)

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 54)

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 54)

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 four different swimming strokes. The emphasis will be on intermediate skills such as 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 54)

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 54)

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 54)

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 54)

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 54)

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 & Safety Certificate, and CPR For The Professional Rescuer Certificate.

Transfers to: CSU, UC (credit limited: see page 54)

† 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 54)

Racquet Sports

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 54)

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 54)

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 54)

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 54)

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 54)

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 54)

Individual Skills

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 54)

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 54)

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 54)

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. Topics specific to men's and women's gymnastics will be presented and discussed. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness.

Satisfies General Education for Grossmont College Area E

Transfers to: CSU, UC (credit limited: see page 54)

† This course meets all Title 5 standards for Associate Degree Credit.

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. Topics specific to men's and women's gymnastics will be presented and discussed. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness.

Satisfies General Education for Grossmont College Area E

Transfers to: CSU, UC (credit limited: see page 54)

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. Topics specific to men's and women's gymnastics will be presented and discussed. Students will also learn the fundamentals of physical fitness and their impact on life-long health and wellness.

Satisfies General Education for Grossmont College Area E

Transfers to: CSU, UC (credit limited: see page 54)

Team Skills

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 54)

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 54)

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 54)

EXERCISE SCIENCE 170A* † Beginning Soccer

1 unit, 1 hour lecture, 1 hour laboratory
Instruction and practice in the basic skills, rules, and strategies of soccer with emphasis on individual skill development and team play. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness.

Satisfies General Education for Grossmont College Area E

Transfers to: CSU, UC (credit limited: see page 54)

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, rules, 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 54)

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, rules, 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 54)

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 54)

EXERCISE SCIENCE 171B* † Intermediate Softball

1 unit, 1 hour lecture, 1 hour laboratory
Recommended Preparation: A "C" grade or higher or "Pass" in 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 54)

† This course meets all Title 5 standards for Associate Degree Credit.



EXERCISE SCIENCE 171C* † Advanced Softball

1 unit, 1 hour lecture, 1 hour laboratory

Recommended Preparation: A "C" grade or higher or "Pass" in 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 basic and advanced strategies. 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 54)

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 54)

EXERCISE SCIENCE 172B* † Intermediate Baseball

1 unit, 1 hour lecture, 1 hour laboratory

Recommended Preparation: A "C" grade or higher or "Pass" in ES 172A or equivalent or specified skill competencies.

Instruction in intermediate techniques, skills, history, and rules of baseball.

Emphasis will be placed on intermediate level individual and team skills, as well as strategy. Students will also learn the fundamentals of physical fitness and their impact on life-long health and wellness.

Satisfies General Education for Grossmont College Area E

Transfers to: CSU, UC (credit limited: see page 54)

EXERCISE SCIENCE 172C* † Advanced Baseball

1 unit, 1 hour lecture, 1 hour laboratory

Recommended Preparation: A "C" grade or higher or "Pass" in 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. 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 54)

EXERCISE SCIENCE 175A* † Beginning Volleyball

1 unit, 1 hour lecture, 1 hour laboratory

Instruction and practice in the basic levels of volleyball with emphasis on individual skill development and team play. Topics specific to men's and women's volleyball will be presented and discussed. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness.

Satisfies General Education for Grossmont College Area E

Transfers to: CSU, UC (credit limited: see page 54)

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. Topics specific to men's and women's volleyball will be presented and discussed. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness.

Satisfies General Education for Grossmont College Area E

Transfers to: CSU, UC (credit limited: see page 54)

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. Topics specific to men's and women's volleyball will be presented and discussed. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness.

Satisfies General Education for Grossmont College Area E

Transfers to: CSU, UC (credit limited: see page 54)

EXERCISE SCIENCE 176A* † Beginning Beach Volleyball

1 unit, 1 hour lecture, 1 hour laboratory

This course introduces the fundamental skills of Beach Volleyball, including passing, hitting, spiking (attacking), blocking, and serving, as well as beginning concepts of team strategies and tournament play. Topics specific to men's and women's beach volleyball will be presented and discussed.

Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness.

Satisfies General Education for Grossmont College Area E

Transfers to: CSU, UC (credit limited: see page 54)

EXERCISE SCIENCE 176B* † Intermediate Beach Volleyball

1 unit, 1 hour lecture, 1 hour laboratory

Recommended Preparation: A "C" grade or higher or "Pass" in ES 176A or equivalent or specified skill competencies.

A continuation of ES 176A emphasizing the development of intermediate skills of Beach Volleyball, including passing, hitting, spiking (attacking), cut shots, blocking, and serving, as well as intermediate concepts of team strategies and tournament play. Topics specific

† This course meets all Title 5 standards for Associate Degree Credit.

to men's and women's beach volleyball will be presented and discussed.

Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness.

Satisfies General Education for Grossmont College Area E

Transfers to: CSU, UC (credit limited: see page 54)

EXERCISE SCIENCE 176C*† Advanced Beach Volleyball

1 unit, 1 hour lecture, 1 hour laboratory

Recommended Preparation: A "C" grade or higher or "Pass" in ES 176B or equivalent or specified skill competencies.

A continuation of ES 176B emphasizing the development of advanced skills of Beach Volleyball, including passing, hitting, spiking (attacking), kills and cut shots, cross-court blocking, and serving, as well as team strategies and tournament play. Topics specific to men's and women's beach volleyball will be presented and discussed.

Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness.

Satisfies General Education for Grossmont College Area E

Transfers to: CSU, UC (credit limited: see page 54)

Combatives

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 skill acquisition, mental training, and verbal responses will be taught and practiced so students may develop the confidence to stand up and defend themselves. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness.

Satisfies General Education for Grossmont College Area E

Transfers to: CSU, UC (credit limited: see page 54)

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, terminology and beginning tactics.

Topics specific to fencing will be presented and discussed. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness.

Satisfies General Education for Grossmont College Area E

Transfers to: CSU, UC (credit limited: see page 54)

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 in individual skills and bouting tactics with the French foil. Topics specific to fencing will be presented and discussed. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness.

Satisfies General Education for Grossmont College Area E

Transfers to: CSU, UC (credit limited: see page 54)

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 skills. Strategies and tactics mastery with the French foil in a bouting format. Topics specific to fencing will be presented and discussed. Students will also learn the fundamental principles of physical fitness and their impact on life-long health and wellness.

Satisfies General Education for Grossmont College Area E

Transfers to: CSU, UC (credit limited: see page 54)

Community Service Learning Experience

EXERCISE SCIENCE 194 † Community Service Learning Experience

1 unit, 5 hours work experience per week

60 volunteer hours or 75 paid hours

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 45.

Transfers to CSU

Intercollegiate Athletics

Intercollegiate Athletics courses (200-240, 262 and 263) can be repeated up to 4 times.

NOTE: Intercollegiate athletic courses do NOT meet the fitness/wellness requirement.

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 the skills necessary to reduce the risk of injury associated with intercollegiate athletics. Instruction and practice in conditioning activities, running, and resistance and agility exercises will take place.

Transfers to: CSU, UC (credit limited: see page 54)

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.

Transfers to: CSU, UC (credit limited: see page 54)

EXERCISE SCIENCE 203 † Intercollegiate Baseball

3 units, 10 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 54)

† This course meets all Title 5 standards for Associate Degree Credit.

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 Non-Traditional Season (NTS) preparation course for the intercollegiate team.

Transfers to: CSU, UC (credit limited: see page 54)

EXERCISE SCIENCE 206 † **Intercollegiate Basketball**

3 units, 10 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 54)

EXERCISE SCIENCE 207 † **Advanced Techniques and Strategies of Intercollegiate Basketball**

.5 unit, .5 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 Non-Traditional Season (NTS) preparation course for the intercollegiate team.

Transfers to: CSU, UC (credit limited: see page 54)

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 Non-Traditional Season (NTS) course for the intercollegiate team.

Transfers to: CSU, UC (credit limited: see page 54)

EXERCISE SCIENCE 209 † **Intercollegiate Cross Country**

3 units, 10 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 54)

EXERCISE SCIENCE 210 † **Intercollegiate Badminton**

3 units, 10 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 54)

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 Non-Traditional Season (NTS) preparation course for the intercollegiate team.

Transfers to: CSU, UC (credit limited: see page 54)

EXERCISE SCIENCE 212 † **Intercollegiate Football**

3 units, 10 hours laboratory

Prerequisite: Tryout

Corequisite: ES 262 or 263

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 54)

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 Non-Traditional Season (NTS) preparation course for the intercollegiate team.

Transfers to: CSU, UC (credit limited: see page 54)

EXERCISE SCIENCE 215 † **Intercollegiate Softball**

3 units, 10 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 54)

† This course meets all Title 5 standards for Associate Degree Credit.

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 Non-Traditional Season (NTS) preparation course for the intercollegiate team.

Transfers to: CSU, UC (credit limited: see page 54)

EXERCISE SCIENCE 218 † **Intercollegiate Soccer**

3 units, 10 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 54)

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 Non-Traditional Season (NTS) preparation course for the intercollegiate team.

Transfers to: CSU, UC (credit limited: see page 54)

EXERCISE SCIENCE 221 † **Intercollegiate Swimming**

3 units, 10 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 54)

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 Non-Traditional Season (NTS) preparation course for the intercollegiate team.

Transfers to: CSU, UC (credit limited: see page 54)

EXERCISE SCIENCE 224 † **Intercollegiate Tennis**

3 units, 10 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 54)

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 Non-Traditional Season (NTS) preparation course for the intercollegiate team.

Transfers to: CSU, UC (credit limited: see page 54)

EXERCISE SCIENCE 228 † **Intercollegiate Beach Volleyball**

3 units, 10 hours laboratory

Prerequisite: Tryout

Intercollegiate competition in the sport of Beach Volleyball. This course includes instruction in specific skills, performance techniques and strategies, as well as daily practice, development of physical fitness, team travel and competition against other collegiate institutions. The course is open to all students who wish to try out at the intercollegiate level. An additional fee for athletic insurance is required upon enrollment.

Transfers to: CSU, UC (credit limited: see page 54)

EXERCISE SCIENCE 229 † **Advanced Techniques and Strategies of Intercollegiate Beach Volleyball**

1 unit, 1 hour lecture, 1 hour laboratory

This course is designed for advanced beach volleyball players who are proficient in the fundamental skills and have knowledge of the basic rules of the game. Instruction is geared toward advanced techniques, strategies, and team play. Serves as the Non-traditional Season (NTS) preparation course for the intercollegiate team.

Transfers to: CSU, UC (credit limited: see page 54)

EXERCISE SCIENCE 230 † **Intercollegiate Volleyball**

3 units, 10 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 54)

† This course meets all Title 5 standards for Associate Degree Credit.

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 Non-Traditional Season (NTS) preparation course for the intercollegiate team.

Transfers to: CSU, UC (credit limited: see page 54)

EXERCISE SCIENCE 233 † **Intercollegiate Water Polo**

3 units, 10 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 54)

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 Non-Traditional Season (NTS) preparation course for the intercollegiate team.

Transfers to: CSU, UC (credit limited: see page 54)

EXERCISE SCIENCE 240 † **Athletic Competition**

3 units, 10 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 54)

Professional Exercise Science Classes

Professional Exercise Science classes (ES 250-296) CANNOT be repeated with the exception of ES 262 and 263 which can be repeated 4 times.

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 54)

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

This course is designed to provide an overview of terminology specific to the discipline of sport and recreational injuries. The course will review all common injuries associated with each joint of the body and other specific topics associated with the prevention, care, treatment, and rehabilitation of injuries, illness and conditions seen in young adults participating in an activity where injuries can occur.

Transfers to: CSU, UC (credit limited: see page 54)

EXERCISE SCIENCE 262 † **Technical Analysis and Theory of Football – Offense**

1 unit, 1 hour lecture, 1 hour laboratory

Corequisite: ES 212

This course is designed to allow students interested in pursuing a college level football experience to: (1) develop offensive skills and techniques while acquiring knowledge of the game strategically, (2) analyze drills, formations, techniques of running, passing and receiving for later use in coaching or teaching careers, and (3) receive practical experience through offensive skill and conditioning drills to improve technique, agility and footwork.

Transfers to: CSU, UC (credit limited: see page 54)

EXERCISE SCIENCE 263 † **Technical Analysis and Theory of Football – Defense**

1 unit, 1 hour lecture, 1 hour laboratory

Corequisite: ES 212

This course is designed to allow students interested in pursuing a college level football experience to: (1) develop defensive skills and techniques while acquiring knowledge of the game strategically, (2) analyze drills, formations, techniques of pass coverage, tackling and blocking for later use in coaching or teaching careers, and (3) receive practical experience through defensive skill and conditioning drills to improve technique, agility and footwork.

Transfers to: CSU, UC (credit limited: see page 54)

EXERCISE SCIENCE 290 † **Teaching Techniques and Methods in Exercise Science**

1.5 units, 1 hour lecture, 2 hours laboratory

This course provides fundamental hands-on training to students preparing for study in kinesiology or other related fields. This interactive course will provide supervised practical experiences assisting and teaching students in exercise science courses, as well as instruction to aid students with chronic diseases, injuries and physical limitations. Students will work under the direct supervision of an exercise science instructor.

Transfers to CSU

† This course meets all Title 5 standards for Associate Degree Credit.

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**

2.5 units, 2 hours lecture, 1.5 hours 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

EXERCISE SCIENCE 296 † **Internship Seminar for Fitness Specialists**

.5 units, 8 hours lecture

Prerequisite: A "C" grade or higher or "Pass" in ES 255 and ES 294 and HED 158 or equivalent.

Corequisite: ES 297

This course is designed for the student in the Fitness Training Professional certificate program. Students will discuss current issues in the fitness field, insurance, liability, standard business practices, and national certifications. Students apply knowledge of basic anatomy, exercise physiology, kinesiology, personal information gathering, and exercise testing through enrollment in ES 297.

Transfers to CSU

EXERCISE SCIENCE 297 † **Internship for Fitness Specialists**

1 unit, 5 hours work experience per week
60 volunteer hours or 75 paid hours

Prerequisite: A "C" grade or higher or "Pass" in ES 255 and ES 294 and HED 158 or equivalent.

A work experience course that provides the student with an opportunity to apply and expand upon acquired skills in a selected fitness industry. Students will gain experience in the field of personal training, group exercise leadership, or other fitness specialties. This course will provide pertinent instruction in fitness testing, program and training development, wellness and health education, and management and administration of health and wellness

facilities. Periodic review sessions will be held to access the students' progress. For work experience requirements, see page 45.

Transfers to CSU

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 D; CSU D; IGETC 4

Transfers to: CSU, UC (credit limited: see page 54)

† This course meets all Title 5 standards for Associate Degree Credit.

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 D; CSU D, E; IGETC 4
Transfers to: CSU, UC (credit limited: see page 54)

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

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 C; 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 C; CSU C2; IGETC 3B, 6A
Transfers to: CSU, UC

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 C; CSU C2 D; IGETC 3B
Transfers to: CSU, UC (credit limited: see page 54)

FRENCH 196 † Community Service Learning Experience

1 unit, 5 hours work experience per week
60 volunteer hours or 75 paid hours

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 45.

Transfers to CSU

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 C; 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 C; 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 C; CSU C2; IGETC 6A
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 C; CSU C2; IGETC 6A
Transfers to: CSU, UC

GEOGRAPHY (GEOG)

GEOGRAPHY 100 † Introduction to Global Studies

3 units, 3 hours lecture

This course is an introduction to the interdisciplinary field of Global Studies, including the history, causes and evolution of globalization, as well as the role of geography in the process of globalization. The economic, political, social/cultural, and environmental/ecological dimensions of globalization will also be examined.

Satisfies General Education for: Grossmont College D; CSU D; IGETC 4
Transfers to: CSU, UC

† This course meets all Title 5 standards for Associate Degree Credit.

GEOGRAPHY 101 † **Global Issues**

3 units, 3 hours lecture

An introduction to the origins, current status, and future trends of major transnational issues confronting the global community. Students will learn about population trends, economic development and inequality, issues of access to basic human needs such as food, water, and healthcare, human rights, international conflict and security concerns, and environmental problems including those that contribute to climate change. Global governance and collective global responsibilities will also be examined.

Satisfies General Education for: Grossmont College D; CSU D; IGETC 4

Transfers to: CSU, UC

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 D; CSU D; IGETC 4

Transfers to: CSU, UC

GEOGRAPHY 120 † **Physical Geography: Earth Systems**

3 units, 3 hours lecture

Explore your world! Drought! Fire! Earthquakes! Flood! 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: Earth Systems Laboratory**

1 unit, 3 hours laboratory

Prerequisite: A "C" grade or higher or "Pass" or concurrent enrollment in Geography 120 or Geology 104 or equivalent.

Get outside and into the field! Explore Earth's physical environment! This course satisfies the science lab requirement, and complements either the Physical Geography lecture course (Geog 120) or the Earth Science lecture course (Geol 104). It examines Earth's atmospheric, hydrospheric, lithospheric, and biospheric systems, and the Earth's seasonal orbit about the Sun. Students will study plate tectonics including faulting, earthquakes, volcanism, and the rock cycle, and will investigate landforms, seasons, weather, climate, and the evolutionary response to climate variation as studied in the natural habitats surrounding Grossmont College. Students will use topographic maps, weather maps, satellite loops, compass, clinometer, GPS, weather sensors, and the campus-wide outdoor educational "Rock and Native-Vegetation Zones."

Satisfies General Education for: Grossmont College B2; CSU B3; IGETC 5C

Transfers to: CSU, UC

GEOGRAPHY 130 † **Human Geography: The Cultural Landscape**

3 units, 3 hours lecture

UNDERSTAND CRUCIAL WORLD EVENTS! Examine the role of culture and the physical environment in shaping the world's major regions and landscapes. Special attention will be given to: globalization, geopolitical interactions, the diffusion of religions and languages, population dynamics, food production, the global economy, and environmental issues. Use these components of culture to explain global connections, events, and conflicts.

Satisfies General Education for: Grossmont College D; CSU D; IGETC 4

Transfers to: CSU, UC

GEOGRAPHY 140 † **Meteorology: Weather and Climate**

3 units, 3 hours lecture

This physical science course explains the principles that drive daily weather and long-term climate variation. Explanations will focus upon the composition and structure of the atmosphere, the input of solar radiation, the corresponding atmospheric energy budget, the resultant changes in the state of the atmosphere (in terms of temperature, pressure, humidity, winds, air masses, fronts, clouds, and fog), and the average situation as expressed by the climate distribution and its change-over-time. Highlights include explanation of jet streams and winter cyclonic storms, as well as late-summer hurricanes and monsoonal thunderstorms, autumnal Santa Ana-driven fires, and springtime "marine layer" stability vs Tornado Alley "severe weather" instability. Special attention is given to real-time weather events and forecasting, especially by way of current weather maps and satellite imagery vs. climatological data.

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.

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, interdisciplinary, field-based study of the natural environment of the San Diego region, including related parts of Imperial, Riverside, and Orange Counties. Vans are utilized to visit sites that best illustrate (1) the region's physical environment (including tectonics, geologic history, geomorphology, hydrology, meteorology, climatology, and soils), (2) the evolutionary response to environmental variation (focusing on coastal sage scrub, chaparral, and desert ecosystems), and (3) the interaction of humans with the natural environment. Emphasis on field measurement includes use of GPS, compass, clinometer, maps, the current Jepson plant taxonomy, etc. Four weekends in spring semester only. Overnight campouts required. Students with credit in Geography 150 will not be able to enroll in Biology 150, Geology 150 or Oceanography 150.

Transfers to: CSU, UC (credit limited: see page 54)

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 D; CSU D; IGETC 4

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, 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, 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, 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

† This course meets all Title 5 standards for Associate Degree Credit.

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, interdisciplinary, field-based study of the natural environment of the San Diego region, including related parts of Imperial, Riverside, and Orange Counties. Vans are utilized to visit sites that best illustrate (1) the region's physical environment (including tectonics, geologic history, geomorphology, hydrology, meteorology, climatology, and soils), (2) the evolutionary response to environmental variation (focusing on coastal sage scrub, chaparral, and desert ecosystems), and (3) the interaction of humans with the natural environment. Emphasis on field measurement includes use of GPS, compass, clinometer, maps, the current Jepson plant taxonomy, etc. Four weekends in spring semester only. Overnight campouts required. Students with credit in Geology 150 will not be able to enroll in Biology 150, Geography 150 or Oceanography 150.

Transfers to: CSU, UC (credit limited: see page 54)

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

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

† This course meets all Title 5 standards for Associate Degree Credit.

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, 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, 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, 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 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***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 C; 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 C; CSU C2; IGETC 3B, 6A
Transfers to: CSU, UC

GERMAN 196 †**Community Service Learning Experience**

1 unit, 5 hours work experience per week

60 volunteer hours or 75 paid hours

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 45.
Transfers to CSU

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 C; CSU C2; IGETC 3B, 6A
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 C; CSU C2; IGETC 3B, 6A
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 C; CSU C2; IGETC 6A
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 C; CSU C2; IGETC 6A
Transfers to: CSU, UC

† This course meets all Title 5 standards for Associate Degree 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 English as a Second Language 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 English as a Second Language 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 English as a Second Language 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 D; CSU E

Transfers to: CSU, UC

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 English as a Second Language 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 D; CSU E

Transfers to: CSU, UC

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 D; CSU E

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 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: A "C" grade or higher 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.

Transfers to CSU

HEALTH SCIENCES 152 A-B † Work Experience for Disability Services Management

2 units, 10 hours work experience per week
120 volunteer hours or 150 paid hours

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 45.

Transfers to CSU

HEALTH SCIENCES 154 † Work Experience for Disability Services Management

4 units, 20 hours work experience per week
240 volunteer hours or 300 paid hours

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 45.

Transfers to CSU

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

HEALTH SCIENCES 206 † Behavioral Management and Training Techniques

3 units, 3 hours lecture

Prerequisite: A "C" grade or higher in 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

† This course meets all Title 5 standards for Associate Degree Credit.

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 English as a Second Language 119 or equivalent.

A historical survey of civilizations from ancient times to 1500 C.E. with particular focus on Asia, Africa, Europe, the Americas, the Indian Subcontinent, Mediterranean Basin, the Middle East and Oceania. Emphasis placed on the origins, development and interconnections of diverse cultures, political systems, social/cultural forces, major religions, noted empires, artistic/intellectual achievements and technological breakthroughs.

Satisfies General Education for: Grossmont College C; CSU C2, D; IGETC 3B, 4
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 English as a Second Language 119 or equivalent.

A survey of world history from 1500 C.E. to the present with particular focus on modern Asia, Europe, Africa, the Americas, the Indian subcontinent and the Middle East. Emphasis will be placed on the origins of maritime exploration, artistic/intellectual movements, revolutions, nationalism, empires, technological breakthroughs, industrialization, imperialism, world wars, totalitarianism, decolonization and economic globalization.

Satisfies General Education for: Grossmont College C; CSU C2, D; IGETC 3B, 4
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 English as a Second Language 119 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 C; CSU C2, D; IGETC 3B, 4
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 English as a Second Language 119 or equivalent.

A historical survey tracing the political, social, economic, cultural, and intellectual events that have shaped and defined Western Civilization from ancient times to 1650. Emphasis is placed upon ancient Mesopotamia, ancient Egypt, eastern Mediterranean civilizations, pre and classical Greece, Hellenistic era, Roman civilization and empire, rise of Christianity and Islam, Byzantine Empire, medieval Europe, Renaissance and Reformation.

Satisfies General Education for: Grossmont College C; CSU C2, D; IGETC 3B, 4
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 English as a Second Language 119 or equivalent.

A historical survey tracing the events and development of the modern Western world from 1500 to the present. Particular emphasis upon the making of modern European political/economic systems, institutions, values, and ideas. Such topics include Reformation/Age of Religious Wars, Absolutism, Scientific Revolution, Enlightenment, Age of Revolutions, Napoleonic Era, nineteenth-century ideologies, industrialization, nationalism, imperialism, modern western science, modern western art/literature, world wars, totalitarianism, the Cold War and contemporary Europe.

Satisfies General Education for: Grossmont College C; CSU C2, D; IGETC 3B, 4
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 English as a Second Language 119 or equivalent.

A historical survey tracing the political, social, and cultural events that have shaped and created the United States from pre-Columbian times to 1877. Emphasis is placed upon pre-Columbian past, European contact during Age of Exploration, colonial America, American Revolution, Constitutional and Federalist Era, Jeffersonian democracy, Jacksonian Era,

Old South and slavery, Age of Reform, antebellum society, westward expansion, sectional crisis, American Civil War and Reconstruction. The course also explores the origin and development of significant American institutions, ideals, thought, constitutional features and various social and ideological struggles.
Satisfies General Education for: Grossmont College D; CSU D; IGETC 4
Transfers to: CSU, UC (credit limited: see page 54)

HISTORY 109 † Modern American History

3 units, 3 hours lecture

Recommended Preparation: A "C" grade or higher or "Pass" in English 110 or English as a Second Language 119 or equivalent.

A historical survey of the political, social, economic, and cultural events in the United States from 1865 to the present. Explores significant modern American institutions, ideals, thought, ideologies, and laws including explorations of the U.S. and California constitutions and interactions between federal, state, and local governments.

Satisfies General Education for: Grossmont College D; CSU D; IGETC 4
Transfers to: CSU, UC (credit limited: see page 54)

HISTORY 113 † American Military History

3 units, 3 hours lecture

Recommended Preparation: A "C" grade or higher or "Pass" in English 110 or English as a Second Language 119 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 and coverage of noted wars will focus on three periods: colonial, continental expansion, and overseas expansion.

Satisfies General Education for: Grossmont College C; CSU D; IGETC 4

Transfers to: CSU, UC

† This course meets all Title 5 standards for Associate Degree Credit.

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 English as a Second Language 119 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.

Satisfies General Education for: Grossmont College D; CSU D; IGETC 4

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 English as a Second Language 119 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.

Satisfies General Education for: Grossmont College D; CSU D; IGETC 4

Transfers to: CSU, UC

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 English as a Second Language 119 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 U.S. Federal Constitution is studied with special emphasis on the impact

and effects of the Treaty of Guadalupe Hidalgo. Particular attention is given to the political philosophies of both countries and its impact on the Mexican American community.

Satisfies General Education for: Grossmont College D; CSU D; IGETC 4

Transfers to: CSU, UC (credit limited: see page 54)

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 English as a Second Language 119 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 leading to contemporary U.S. Society.

Satisfies General Education for: Grossmont College D; CSU D; IGETC 4

Transfers to: CSU, UC (credit limited: see page 54)

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 English as a Second Language 119 or equivalent.

This course covers the social, political, cultural, economic and intellectual development of women in United States history from pre-European contact to 1877. Women's experiences are placed in the context of the origins of American institutions and ideals.

Satisfies General Education for: Grossmont College D; CSU D; IGETC 4

Transfers to: CSU, UC (credit limited: see page 54)

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 English as a Second Language 119 or equivalent.

This course covers the social, political, cultural, economic and intellectual development of women in United States history from 1877 to the present. Women's experiences are placed in the context of evolving American institutions.

Satisfies General Education for:

Grossmont College D; CSU D; IGETC 4

Transfers to: CSU, UC (credit limited: see page 54)

HISTORY 124 † **History of California**

3 units, 3 hours lecture

Recommended Preparation: A "C" grade or higher or "Pass" in English 110 or English as a Second Language 119 or equivalent.

Survey of the political, social, and economic development of the State of California from pre-Columbian Native Americans to the present. Emphasis upon European exploration and interaction with California's Native Americans, Spanish colonization, Mexican California, statehood, late 19th century, pre-WWI Progressive Era, 1910s and 1920s, Depression Era, WWII, Post-WWII era, 1960s to the 1990s, and early 21st century. Course will also include a unit of study in California State and local government.

Satisfies General Education for: Grossmont College D; CSU D; IGETC 4

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 English as a Second Language 119 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 C; CSU C2, D; IGETC 3B, 4

Transfers to: CSU, UC

† This course meets all Title 5 standards for Associate Degree Credit.

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 English as a Second Language 119 or equivalent.

This course covers the social, political, cultural, economic, and intellectual history of indigenous people in North America from pre-history to pre-Civil War in United States. Native experiences are placed in the context of the evolution of diverse native nations, within the growth of the U.S., and within the development of American institutions and ideals. California and San Diego County nations are highlighted.

Satisfies General Education for: Grossmont College D; CSU D; IGETC 4

Transfers to: CSU, UC (credit limited: see page 54)

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 English as a Second Language 119 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.

Satisfies General Education for: Grossmont College D; CSU D; IGETC 4

Transfers to: CSU, UC (credit limited: see page 54)

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 English as a Second Language 119 or equivalent.

A historical survey tracing the political, social, intellectual and cultural events of the ancient civilizations within the Near East and Mediterranean basin from 3500

B.C.E. to 500 C.E. This course will focus on the contributions and achievements of civilizations within Mesopotamia, Egypt, Persia, Asia Minor, the Levant, Crete, Greece, North Africa, and Rome and their significance in shaping Western Civilization. Further emphasis will be placed upon their political systems, religion, philosophy, science/technology, laws, role of women, and arts/literature.

Satisfies General Education for: Grossmont College C; 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 English as a Second Language 119 or equivalent.

A historical survey tracing the political, social, economic, intellectual, religious and cultural events that occurred during Europe's medieval period c.500-1500 C.E. This course begins with the decline of the Western Roman Empire and then focuses upon rise of Germanic kingdoms, role of the papacy, monasticism, establishment of Christendom, Carolingian Empire, feudalism, Vikings, England, German States, Eastern Europe, Muslim invasions, Crusades, Black Death, medieval philosophy and science, art and literature, role of women, gender and sexuality, and the demise of medieval era and birth of modern Europe. The course also explores the creation of significant lasting institutions, ideas, and thought from the medieval era that remains part of the present-day Western world.

Satisfies General Education for: Grossmont College C; CSU C2, D; IGETC 3B, 4

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 English as a Second Language 119 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 C; CSU C2, D; IGETC 3B, 4

Transfers to: CSU, UC

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 English as a Second Language 119 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 C; CSU C2, D; IGETC 3B, 4

Transfers to: CSU, UC

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 English as a Second Language 119 or equivalent.

This course covers the transnational/global concepts of gender, social, economic, political, cultural and intellectual/creative aspects of women in world society from prehistoric times to the early modern era (1500 C.E.). Societal structures, cultural norms, legal/sociological constructs, religious paradigms affecting women throughout Asia, Africa, Middle East, the Americas and Europe will be explored. The course will also focus upon gaining an understanding of women's past accomplishments, both major and mundane, as well as limitations, which may illuminate their present and future.

Satisfies General Education for: Grossmont College D; CSU D; IGETC 4

Transfers to: CSU, UC (credit limited: see page 54)

† 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 English as a Second Language 119 or equivalent.

This course covers the transnational/global concepts of gender, social, economic, political, cultural and intellectual/creative aspects of women in world society from 1500 C.E. to the present. Societal structures, cultural norms, legal/sociological constructs, religious paradigms affecting women throughout modern Asia, Africa, Middle East, the Americas and Europe will be explored. The course will also focus upon gaining an understanding of women's past accomplishments, both major and mundane, as well as limitations, which may illuminate their present and future.

Satisfies General Education for: Grossmont College D; CSU D; IGETC 4

Transfers to: CSU, UC (credit limited: see page 54)

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 English as a Second Language 119 or equivalent.

A survey of United States history from colonial times to the American Civil War seen from the perspective and experiences of African-Americans. The course will begin with examining the historical backdrop of African peoples in continental Africa and trace their story through early modern European contact, the slave trade, enslavement in the Americas, colonial America, the revolutionary and Constitutional era, the early Republic, participation in American institutions, sectional issues between North and South over slavery, the Civil War and emancipation. Course will also examine the contradictions, paradoxes and constitutional challenges of the American experiment of freedom alongside the institution of slavery. The course also explores the political, social, economic, legalistic, cultural, spiritual, literary and artistic life of African-Americans during this historical period.

Satisfies General Education for: Grossmont College D; CSU D; IGETC 4

Transfers to: CSU, UC (credit limited: see page 54)

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 English as a Second Language 119 or equivalent.

A survey of United States history from Reconstruction to the present seen from the perspective and experience of African-Americans. The course begins with examining the historical backdrop of the Civil War's aftermath and the emancipation of slaves and then traces the African-American experience through modern American history. Topics include Reconstruction, Jim Crow South, late 19th century, pre WWI and the Progressive Era, WWI and the Roaring 20s, Depression Era, WWII and the home front, post-WWII era and segregation, Civil Rights Era, struggles of the 1960s and 1970s, and current times. Course also explores the contradictions, paradoxes and constitutional challenges, both federal and state, of the American experiment of equality alongside racial segregation and injustices. The course also explores the political, social, economic, legalistic, cultural, spiritual, literary and artistic life of African-Americans during modern American history.

Satisfies General Education for: Grossmont College D; CSU D; IGETC 4

Transfers to: CSU, UC (credit limited: see page 54)

HISTORY 194 †**Community Service Learning Experience**

1 unit, 5 hours work experience per week

60 volunteer hours or 75 paid hours

Community Service Learning Experience (CSLE) is a community outreach program which promotes the national agenda of volunteer engagement. The purpose is to provide students an opportunity to expand their citizenship consciousness while exploring options and careers in a selected area of study. This course includes placement in a community based historical site, archives, museum, institute, research library or with K-12 history/social studies students. For work experience requirements, see page 45.

Transfers to: CSU

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 C; 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 C; CSU C1, C2; IGETC 3B

Transfers to: CSU, UC (credit limited: see page 54)

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 C; CSU C2; IGETC 3B

Transfers to: CSU, UC (credit limited: see page 54)

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 C; CSU C2; IGETC 3B

Transfers to: CSU, UC (credit limited: see page 54)

† This course meets all Title 5 standards for Associate Degree Credit.

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 C; CSU C2; IGETC 3B

Transfers to: CSU, UC

HUMANITIES 140 † **Humanities of the Americas**

3 units, 3 hours lecture

Integrated exploration of broadly representative examples of literature, philosophy, drama, music, visual art, and architecture of the Americas—the geographical scope of which will include the United States, Canada, the Caribbean, and Latin America.

Satisfies General Education for: Grossmont College C; 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 C; 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 C; CSU C2; IGETC 3B

Transfers to: CSU, UC (credit limited: see page 54)

INTERDISCIPLINARY STUDIES (IDS)

INTERDISCIPLINARY STUDIES 198 **Supervised Tutoring**

0 units, 50 hours TBA

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 C; 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 C; CSU C2; IGETC 3B, 6A*

Transfers to: CSU, UC

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 C; 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 C; 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 C; CSU C2, IGETC 6A

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 C; CSU C2, IGETC 6A

Transfers to: CSU, UC

† This course meets all Title 5 standards for Associate Degree Credit.

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 C; 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 C; CSU C2; IGETC 3B, 6A
Transfers to: CSU, UC

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 C; CSU C2; IGETC 3B
Transfers to: CSU, UC (credit limited: see page 54)

JAPANESE 196 † Community Service Learning Experience

1 unit, 5 hours work experience per week
60 volunteer hours or 75 paid hours

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 45.

Transfers to CSU

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 C; 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 C; 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 C; CSU C2; IGETC 6A
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 C; CSU C2; IGETC 6A
Transfers to: CSU, UC

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 English as a Second Language 119 or equivalent.

Designed for the student who would like to improve critical research skills. Students will learn to navigate research tools – such as databases and search engines, for specific information 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 computer operation is strongly recommended.

Transfers to CSU

† This course meets all Title 5 standards for Associate Degree Credit.

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:

- Satisfactorily completing all prerequisite courses.
- Taking a math assessment to determine current math skills.
- Obtaining a math waiver form from the Counseling Center.
- 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.

MATHEMATICS 020 †† Foundations for Quantitative Reasoning

1 unit, 1 hour lecture

Corequisite: Math 120

Support for Quantitative Reasoning (QR) will focus on the skills and concepts needed for success in QR. This course is for students concurrently enrolled in QR (MATH 120) at Grossmont College. Students will receive extra support in arithmetic, algebra, geometry, problem solving, and study skills. This course is offered on a Pass/No Pass basis only. (Nondegree credit course)

MATHEMATICS 060 †† Foundations for Elementary Statistics

2 units, 2 hours lecture

Corequisite: MATH 160

Foundations for Elementary Statistics focuses on the skills and concepts needed for success in Elementary Statistics. This course is for students concurrently enrolled in MATH 160 at Grossmont College. Students will receive support in arithmetic, problem solving, technology, and study skills. This course is offered on a Pass/ No Pass basis only. (Nondegree credit course)



MATHEMATICS 075 †† Foundations for College Algebra

2 units, 2 hours lecture

Corequisite: MATH 175

Support for this course focuses on the skills and concepts needed for success in College Algebra. This course is for students concurrently enrolled in College Algebra (MATH 175) at Grossmont College. Students will receive extra support in algebra, geometry, problem solving, technology, and study skills. This course is offered on a Pass/No Pass basis only. (Nondegree credit course)

MATHEMATICS 076 †† Foundations for Precalculus

2 units, 2 hours lecture

Corequisite: MATH 176

This support course focuses on the skills and concepts needed for success in Precalculus. This course is for students concurrently enrolled in Precalculus (MATH 176) at Grossmont College. Students will receive extra support in algebra, geometry, problem solving, technology, and study skills. This course is offered on a Pass/No Pass basis only. (Nondegree credit course)

MATHEMATICS 078 †† Foundations for Calculus for Business, Social & Behavior Sciences

2 units, 2 hours lecture

Corequisite: MATH 178

This support course focuses on the skills and concepts needed for success in Calculus for Business, Social & Behavioral Science (MATH 178). This

course is for students concurrently enrolled in MATH 178 at Grossmont College. Students will receive extra support in algebra, geometry, problem solving, technology, and study skills. This course is offered on a Pass/No Pass basis only. (Nondegree credit course)

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)

† This course meets all Title 5 standards for Associate Degree Credit.

†† This course meets all Title 5 standards for Nondegree Credit.

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 096 †† **Foundations for Statistics and Quantitative Reasoning**

6 units, 6 hours lecture

This class satisfies the prerequisite for only MATH 160 or MATH 120. The emphasis of this course will be on the practical aspects of mathematics and its applications. Topics include: data analysis, sample statistics and graphs, measure of central tendency, simplifying algebraic expressions, problem solving strategies, solving algebraic equations and inequalities, algebraic functions and their graphs. This class is NOT intended for business, science, computer science, engineering, or math majors and is offered on a Pass/No Pass basis only.

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

MATHEMATICS 108 † **Beginning & Intermediate Algebra for Business, Math, Science and Engineering Majors**

6 units, 6 hours lecture

Recommended Preparation: Placement in MATH 90

A compressed course that covers elementary algebra and in-depth coverage of intermediate algebra intended for the student who has some previous experience with algebra. This course includes topics related to a mathematical foundation for college students who are majoring in business, math, science and engineering and emphasizes the study of the behavior and characteristics of linear, quadratic, rational, radical, exponential, and logarithmic functions from graphic, numeric, analytic and applied perspectives. Graphing calculators are required for this course. This course serves as a prerequisite for MATH 120, MATH 125, MATH 160, MATH 170, MATH 175, MATH 176, and MATH 178. A student can earn a maximum of 6 (six) units for taking Math 103 and Math 108. Not open to students with credit in Math 110.

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 † **Quantitative Reasoning**

3 units, 3 hours lecture

Prerequisite: A "C" grade or higher or "Pass" in MATH 096 or MATH 103 or MATH 108 or MATH 110 or equivalent.

Use skills developed in Intermediate Algebra to survey the historical development of and apply topics such as: logic, geometry, probability, statistics, problem solving, sequences and patterns, numeration systems, and personal finance to develop quantitative reasoning skills.

Satisfies General Education for: Grossmont College A3; CSU B4, IGETC 2A

Transfers to: CSU, UC (credit limited see page 54)

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 MATH 108 or MATH 110 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 54)

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 54)

MATHEMATICS 128 † **Children's Mathematical Thinking**

1.5 units, 1.5 hours lecture

Prerequisite: A "C" grade or higher or "Pass" in Math 125 or equivalent or concurrent enrollment in 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 096 or MATH 103 or MATH 108 or MATH 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; linear correlation and regression; and ANOVA. Students will learn technology for statistical analysis and interpret the relevance of the statistical findings. Applications come from various fields such as biology, business, economics, education, social sciences, health science, life sciences and psychology.

Satisfies General Education for: Grossmont College A3; CSU B4; IGETC 2A

Transfers to: CSU, UC (credit limited: see page 54)

† 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 "C" grade or higher or "Pass" in MATH 108 or MATH 110 or equivalent. **NOTE:** MATH 103 is not equivalent to MATH 110.

This course provides a theoretical approach to the study of the trigonometric functions with emphasis upon circular functions, trigonometric identities, trigonometric equations, graphical methods, inverse functions, vectors and applications, complex numbers and solving triangles with applications. Passing both MATH 170 and MATH 175 is equivalent to passing MATH 176. A student will earn a total of 7 units for MATH 170 and MATH 175. A student will only earn 6 units if they pass both MATH 170 and MATH 176.

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 or "Pass" in MATH 108 or 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. Passing both MATH 170 and MATH 175 is equivalent to passing MATH 176. A student will earn a total of 7 units for MATH 170 and MATH 175. A student will only earn 6 units if they pass both MATH 175 and MATH 176.

Satisfies General Education for: Grossmont

College A3; CSU B4; IGETC 2A

Transfers to: CSU, UC (credit limited: see page 54)

MATHEMATICS 176 † **Precalculus: Functions and** **Graphs**

6 units, 6 hours lecture

Prerequisite: A "C" grade or higher in or "Pass" in MATH 108 or MATH 110 or equivalent. **NOTE:** 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 of 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. Passing MATH 176 is equivalent to passing both MATH 170 and MATH 175. A student will earn a total of 6 units for passing MATH 176 or 7 units for passing both MATH 175 and MATH 176.

Satisfies General Education for: Grossmont College A3; CSU B4, IGETC 2A
Transfers to: CSU, UC (credit limited: see page 54)

MATHEMATICS 177 † **Introduction to Teaching** **Secondary Mathematics**

3 units, 2 hours lecture, 3 hours laboratory

Prerequisite: A "C" grade or higher in MATH 108 or MATH 110 or equivalent. **NOTE:** MATH 103 is not equivalent to MATH 110.

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 108 or 110 or equivalent. **Note:** MATH 103 is not equivalent to MATH 110.

Recommended Preparation: A "C" grade or higher or "Pass" in 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 54)

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 mathematics majors.

Satisfies General Education for: Grossmont College A3; CSU B4; IGETC 2A
Transfers to: CSU, UC (credit limited: see page 54)

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.

†† This course meets all Title 5 standards for Nondegree 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

MEDIA COMMUNICATIONS (MCOM)

MEDIA COMMUNICATIONS 105 † **Introduction to Electronic Media**

3 units, 3 hours lecture

This course introduces the history, structure, function, economics, content, and evolution of radio, television, film, the Internet, and new media, including traditional and mature formats. The social, political, regulatory, ethical and occupational impact of the electronic media are also studied.

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 D; CSU D; IGETC 4

Transfers to: CSU, UC

MEDIA COMMUNICATIONS 111 † **Introduction to Media Aesthetics and Cinematic Arts**

3 units, 3 hours lecture

Introduces the close analysis of film and television texts. Examines the broad questions of form and content, aesthetics and meaning, and history and culture. Explores the diverse possibilities presented by the cinematic art form through an examination of a wide variety of productions, national cinemas, and film movements. Topics include modes of production, narrative and non-narrative forms, visual design, editing, sound, genre, ideology and critical analysis.

Satisfies General Education for: Grossmont College C; CSU C1

Transfers to: CSU, UC

MEDIA COMMUNICATIONS 112 † **Introduction to Reporting and News Writing**

3 units, 3 hours lecture

An introduction to gathering, synthesizing/organizing, and writing news in journalistic style across multiple platforms. Includes role of the journalist and related legal and ethical issues. Students will report and write based on their original interviews and research to produce news content for hard copy, social, and electronic media. Experiences may include covering speeches, meetings, and other events, writing under deadline, and use of Associated Press style.

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 and other media.

Transfers to: CSU

MEDIA COMMUNICATIONS 116 † **Introduction to Audio Production**

3 units, 2 hours lecture, 3 hours laboratory

This course serves as an introduction to the theory and practice of audio production for radio, television, film and digital recording applications. Students will learn the fundamentals of sound design and aesthetics, microphone use, and digital recording equipment. Students gain hands-on experience recording, editing, mixing, and mastering audio. Upon completion, students will have basic knowledge of applied audio concepts, production workflow, equipment functions, and audio editing software.

Transfers to: CSU

MEDIA COMMUNICATIONS 117 † **Television Studio Operations**

4 units, 3 hours lecture, 3 hours laboratory

This course introduces theory, terminology, and operation of a multi-camera television studio and control room. Topics include studio signal flow, directing, theory and operation of camera and audio equipment, switcher operation, fundamentals of lighting, graphics, video control and video recording, and real-time video production.

Transfers to: CSU

† This course meets all Title 5 standards for Associate Degree Credit.

MEDIA COMMUNICATIONS 118 † **Media Script Writing**

3 units, 3 hours lecture

An introductory course in writing for the film and electronic media. Emphasis on preparing scripts in proper formats, including fundamental technical, conceptual and stylistic issues related to writing fiction and non-fiction scripts for informational and entertainment purposes in film and electronic media. Includes a writing evaluation component as a significant part of the course requirement.

Transfers to CSU

MEDIA COMMUNICATIONS 119 A-B-C † **Fundamentals of Radio Broadcasting**

3 units, 1 hour lecture, 6 hours laboratory

Corequisite: A "C" grade or higher or "Pass" 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 † **Single Camera Video Cinematography**

3 units, 2 hours lecture, 3 hours laboratory

The course provides an introduction to the theory, terminology, and operation of single camera video production, including composition and editing techniques, camera operation, portable lighting, video recorder operation, audio control and basic editing. This course focuses on the aesthetics and fundamentals of scripting, producing, directing on location, postproduction, and exhibition/distribution.

Transfers to: CSU, UC

MEDIA COMMUNICATIONS 132A † **Media News Practicum I**

3 units, 1 hour lecture, 6 hours laboratory

Recommended Preparation: A "C" grade or higher or "Pass" in MCOM 112.

Student media practicum that includes a lab that regularly produces a news or feature non-fiction product with a journalism emphasis by and for students and distributed to a campus or community audience. Includes weekly news assignments and a variety of student media across multiple platforms, including photo journalism, print, broadcast, and online. The student will gain practical experience in design/layout, visual, online, multimedia journalism and emerging technologies. The publications will be student produced and with student leadership.

Transfers to CSU

MEDIA COMMUNICATIONS 132B † **Media News Practicum II**

3 units, 1 hour lecture, 6 hours laboratory

Prerequisite: A "C" grade or higher or "Pass" in MCOM 132A or equivalent.

This course requires higher skill level and/or leadership/management involvement than MCOM 132A. Intermediate student media practicum that includes a lab that regularly produces a news or feature non-fiction product with a journalism emphasis by and for students and distributed to a campus or community audience. Include weekly news assignments and a variety of student media across multiple platforms, including photo journalism, print, broadcast, and online. The student will gain practical experience in design/layout, visual, online, multimedia journalism, emerging technologies, and leadership/management. The publication will be student produced with student leadership.

Transfers to CSU

MEDIA COMMUNICATIONS 132C † **Media News Practicum III**

3 units, 1 hour lecture, 6 hours laboratory

Prerequisite: A "C" grade or higher or "Pass" in MCOM 132B or equivalent.

This course requires higher skill level and/or leadership/management involvement than MCOM 132B. Student media practicum includes both on-and off-campus reporting and writing/news presentation for a variety of news purposes and through multiple platforms and distributed to a campus or community audience. Includes practical experience leadership/management. Includes weekly news assignments. Writing and presentation of advanced level journalistic articles for print, online, or broadcast. Includes practical experience in design/layout,

visual, online, multimedia journalism and emerging technologies. Students will be assigned leadership/managerial duties to oversee, produce news content, layout and distribution of student news media.

Transfers to CSU

MEDIA COMMUNICATIONS 151 † **Electronic Media Internship I**

1 unit, 5 hours work experience per week

60 volunteer hours or 75 paid hours

Prerequisite: A "C" grade or higher or "Pass" in MCOM 112 or MCOM 116 or MCOM 117 or equivalent.

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. A diary will be kept on student activities at the production site. For work experience requirements, see page 45.

Transfers to CSU

MEDIA COMMUNICATIONS 153 † **Electronic Media Internship II**

2 units, 10 hours work experience per week

120 volunteer hours or 150 paid hours

Prerequisite: A "C" grade or higher or "Pass" in MCOM 112 or MCOM 116 or MCOM 117 or equivalent.

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. A diary will be kept on student activities at the production site. For work experience requirements, see page 45.

Transfers to CSU

MEDIA COMMUNICATIONS 155 † **Electronic Media Internship III**

3 units, 15 hours work experience per week

180 volunteer hours or 225 paid hours

Prerequisite: A "C" grade or higher or "Pass" in MCOM 112 or MCOM 116 or MCOM 117 or equivalent.

Students will observe operations and work in radio stations, television stations, CCTV production centers, and film production companies. 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 45.

Transfers to CSU

† This course meets all Title 5 standards for Associate Degree Credit.

MEDIA COMMUNICATION 210 † Social Media in the Digital Age

3 units, 3 hours lecture

This course examines the theory and ethics behind creating and consuming digital, social and mobile media. Students will examine the fundamentals of social media and social networks. Students will also analyze ethical standards and legal issues in social media, appraise personal uses of social media, and evaluate professional uses for mass communication or media professions.

Satisfies General Education for Grossmont College D

Transfers to CSU

MEDIA COMMUNICATIONS 212 † Multimedia Reporting

3 units, 2 hours lecture, 3 hours laboratory

Prerequisite: A "C" grade or higher in MCOM 112 or equivalent

This course will provide an introduction to multimedia storytelling with a journalism emphasis. Techniques that will be explored include use of video, photos, audio, animation, and text to convey interactive news and feature stories through the Internet and other electronic media. It also will include techniques in digital research, critical thinking, and synthesis.

Transfers to CSU

MEDIA COMMUNICATIONS 216 A-B-C † 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 230 † Digital Program Production I

3 units, 2 lecture hours, 3 laboratory hours

Prerequisite: A "C" grade or higher or "Pass" in MCOM 120 or equivalent.

Recommended Preparation: A "C" grade or higher or "Pass" in MCOM 118 or equivalent.

This course provides the theory, terminology, and process of motion picture production for film and television. Topics include basic cinematography including the operation, function and creative uses of pre-production, production and post-production equipment, scriptwriting, camera operations, shot composition, lighting, sound recording and mixing, and editing.

Transfers to CSU

MUSIC (MUS)

Unless specifically required by a transfer institution for preparation for a Music major, students are limited to four enrollments in any combination of courses related in content (families). Students intending to major in Music at a California State University or University of California campus that requires more than the limit should see a counselor. Refer to pages 37-39 to see "Limitations on Enrollment" for specific groups of families in music.

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

† This course meets all Title 5 standards for Associate Degree Credit.

Music 038 **Chorale for Adult Learner**

0 units, 2.5 hours lecture, 2.5 hours laboratory

Prerequisite: Audition and a "C" grade or higher or "Pass" in 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 a "C" grade or higher or "Pass" in 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.

Music 090 †† **Preparatory Performance Studies I**

.5 units, 1.5 hours laboratory

An introductory course designed to begin the preparation of the student for entrance into Music 190, Performance Studies. This course will enhance the musical progress of students who are currently receiving the equivalent of fifteen one-half hour lessons per semester of individual vocal or instrumental instruction. This course is offered on a Pass/No Pass basis only. (Nondegree credit course.)

Music 091 †† **Preparatory Performance Studies II**

.5 units, 1.5 hours laboratory

This course is designed to continue the preparation of the student for entrance into Music 190, Performance Studies. This course will enhance the musical progress of students who are currently receiving the equivalent of fifteen one-half hour lessons per semester of individual vocal or instrumental instruction. This course is offered on a Pass/No Pass basis only. (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: A "C" grade or higher or "Pass" in 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 54)

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. Introduction to secondary/applied chords and introduction to modulation. *Transfers to:* CSU, UC (credit limited: see page 54)

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 C; 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 C; 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 C; 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 C; 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 C; CSU C1; IGETC 3A

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.

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 123 † **History of Hip Hop Culture**

3 units, 3 hours lecture

This is a survey course that will examine the origins and rise of Hip-Hop as an artistic form and global cultural phenomenon. It is designed for students who wish to examine and explore Hip-Hop culture, while developing background knowledge of Hip-Hop history from the early 1970's South Bronx to its national and international role today. The connections between rap music and the other elements of Hip-Hop culture will be explored and students will be challenged to think critically about rap music and its place in society. Controversial subjects such as censorship, racism, sexism, and racial politics in America will be discussed as they relate to the subject matter.

Satisfies General Education for Grossmont College C; CSU C1, IGETC 3A

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

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 54)

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 54)

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 138-139-238-239 † **Grossmont Master Chorale**

1 unit, 3 hours laboratory

Prerequisite: Audition.

An activity based course that studies representative choral compositions in a wide variety of styles at regular rehearsals and public performances. Musical literature differs each semester to allow the student to meet course objectives through weekly/semesterly repetition in rehearsals and in-class performances.

Transfers to: CSU, UC

† This course meets all Title 5 standards for Associate Degree Credit.

Music 140-141-240-241 † **String Orchestra**

1 unit, 3 hours laboratory

Prerequisite: Audition

An activity based course that studies representative string orchestra compositions in a wide variety of styles at regular rehearsals and public performances. Musical literature differs each semester to allow the student to meet course objectives through weekly/semesterly repetition in rehearsals and in-class performances.

Transfers to: CSU, UC

Music 142-143-242-243 † **Middle Eastern Ensemble**

1 unit, 3 hours laboratory

Prerequisite: Audition

An activity based course that studies music from regions of the Middle East and related areas through regular rehearsal and public performances. Emphasis will be placed on development of skills needed to perform in a large ensemble. Musical literature differs each semester to allow the student to meet course objectives through weekly/semesterly repetition in rehearsals and in-class performances.

Transfers to: CSU, UC

Music 148-149-248-249 † **Classical Guitar Ensemble**

1 unit, 3 hours laboratory

Prerequisite: Audition.

An activity based course that studies representative guitar compositions in a wide variety of styles at regular rehearsals and public performances. Musical literature differs each semester to allow the student to meet course objectives through weekly/semesterly repetition in rehearsals and in-class performances.

Transfers to: CSU, UC

Music 150-151-250-251 † **Grossmont Symphony Orchestra**

1 unit, 3 hours laboratory

Prerequisite: Audition.

An activity based course that studies representative orchestral compositions in a wide variety of styles at regular rehearsals and public performances. Musical literature differs each semester to allow the student to meet course objectives through weekly/semesterly repetition in rehearsals and in-class performances.

Transfers to: CSU, UC



Music 152-153-252-253 † **Concert Band**

1 unit, 3 hours laboratory

Prerequisite: Audition.

An activity based course that studies representative concert band ensemble compositions in a wide variety of styles at regular rehearsals and public performances. Musical literature differs each semester to allow the student to meet course objectives through weekly/semesterly repetition in rehearsals and in-class performances.

Transfers to: CSU, UC

Music 154-155-254-255 † **Afro-Cuban Ensemble**

1 unit, 3 hours laboratory

Prerequisite: Audition.

An activity based course that studies representative Afro-Cuban compositions in a wide variety of styles at regular rehearsals and public performances. Though the musical literature differs each semester, the students meet course objectives through weekly/semesterly repetition in rehearsals and in-class performances.

Transfers to: CSU, UC

Music 156-157-256-257 † **Jazz Ensemble**

1 unit, 3 hours laboratory

Prerequisite: Audition.

An activity based course that studies representative jazz compositions in a wide variety of styles at regular rehearsals and public performances. Though the musical literature differs each semester, the students meet course objectives through weekly/semesterly repetition in rehearsals and in-class performances.

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, 3 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, 3 hours laboratory

Prerequisite: Audition.

An activity based course that studies representative compositions for vocal jazz ensemble in a wide variety of styles at regular rehearsals and public performances. Though the musical literature differs each semester the student meets course objectives through weekly/semesterly repetition in rehearsals and in-class performances.

Transfers to: CSU, UC

† This course meets all Title 5 standards for Associate Degree Credit.

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 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

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)** **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 C

Transfers to: CSU, UC (credit limited: see page 54)

Music 190-191-290-291 † **Performance Studies**

.5 unit, 1.5 hours laboratory

Prerequisite: Audition.

Primarily for music majors, this course is designed to enhance the musical progress of students who are currently receiving the equivalent of fifteen one-half hour lessons per semester of individual vocal or instrumental instruction. In-depth study of performances and techniques. Participation in class performances and student recitals is required.

Transfers to: CSU, UC

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

† This course meets all Title 5 standards for Associate Degree Credit.

**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**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 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 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 264-265 †

See Music 164-165-264-265

Music 266-267 †

See Music 166-167-266-267

† This course meets all Title 5 standards for Associate Degree Credit.

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

Music 270-271 †

See Music 170-171-270-271

Music 290-291 †

See Music 190-191-290-291

NURSING (NURS)

NURSING 118 † **Nursing Pharmacology**

2 units, 2 hours lecture

Prerequisite: Admission to the Registered Nursing Program.

Corequisite: NURS 120 or equivalent.

This course is designed to familiarize nursing students with the knowledge needed for safe administration of medications in the clinical setting. Students will be introduced to basic pharmacological concepts, including pharmacotherapeutics, pharmacodynamics, and pharmacokinetics. Special consideration for the nursing role in administering drugs from a variety of major drug classifications will be presented. As the students utilize the nursing process, emphasis will be placed on safety, critical thinking, pharmacologic principles related to aging, patient education and effective communication across the healthcare continuum. This is a required course for the Nursing Program.

Transfers to: CSU

NURSING 120 † **Fundamentals of Nursing**

8 units, 3.5 hours lecture, 13.5 hours laboratory

Prerequisite: Admission to the Registered Nursing Program.

Corequisite: NURS 118 or equivalent.

Nursing 120 is the introductory nursing course. The focus is on the development of technical nursing skills and related theory as a basis for further nursing coursework. Nursing theory addresses assessment of persons and their environment in determining their state of health. The focus is on adult patients throughout the lifespan. Nursing care planning is introduced. Course content includes the normal aging process, communication skills, basic physical assessment and the nursing process. Scientific principles are used to support the nursing diagnosis. The nursing care of patients with disorders such as stroke, hypertension, heart failure, and COPD will be introduced. Concurrent clinical experience is in acute settings. This is a required course for the Nursing Program.

Transfers to: CSU

NURSING 130 † **Medical-Surgical Nursing I**

5 units, 3 hours lecture, 6 hours laboratory

Prerequisite: Admission to the Registered Nursing Program.

This course focuses on the biological, psychological, social, cultural and spiritual changes patients and their families experience from diagnosis through treatment of acute and chronic medical conditions. This course builds on previous coursework, utilizing the nursing process, therapeutic communication and critical thinking in meeting the health care needs of adult individuals and families across the healthcare continuum. The focus is on adult patients throughout the lifespan. Emphasis is placed on genitourinary, orthopedic, neurologic, and gastrointestinal disorders requiring surgery. Concepts of evidence-based practice will be integrated throughout the course. Concurrent clinical experiences in acute care settings, the operating room and post-anesthesia care units are designed to reinforce concepts learned and practiced during the course. This is a required course for the Nursing Program.

Transfers to: CSU

NURSING 132 † **Obstetric and Pediatric Nursing**

5 units, 3 hours lecture, 6 hours laboratory

Prerequisite: A "C" grade or higher in Nursing 120 or equivalent.

Building on the knowledge and skill of Nursing 120, the student learns about nursing care of obstetric and pediatric patient populations. Obstetric nursing addresses the physiologic and psychosocial changes women and their families experience during pre-conception, pregnancy, birth, and postpartum, as well as the impact of the childbearing cycle on the family, population health, and outcomes. Pediatric nursing addresses the nursing management of children with alternations in health, many of which result in chronic illnesses. Environmental factors such as physical, psychological, social, spiritual and cultural elements are discussed in the way they impact the pediatric and obstetric patients and their families. Refinement of critical thinking skills, clinical decision-making, and a focus on growth and development are emphasized. Concurrent clinical experience is in acute and ambulatory care settings. This is a required course for the Nursing Program.

Transfers to: CSU

NURSING 155 † **Clinical Reasoning Skills for First Semester Nursing Students**

1.5 units, 4.5 hours laboratory

Corequisite: NURS 120 or equivalent.

This course is designed so that first semester nursing students may practice fundamental clinical nursing techniques, and clinical reasoning skills under the direct supervision of a nurse 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

† This course meets all Title 5 standards for Associate Degree Credit.

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 220 † **Medical-Surgical Nursing II**

5.5 units, 3 hours lecture, 7.5 hours laboratory

Prerequisite: A "C" grade or higher in Nursing 130 and 132 or equivalent.

This course addresses patient focused nursing care of individuals with alterations in body organ systems to include endocrine, neurologic, renal, hepatobiliary, and immune diseases or disorders. The care of patients with cancer will also be addressed. The focus is on adult patients throughout the lifespan. The nurse considers the unique characteristics and abilities of the person, including the impact of the environment on the state of health and illness in the context of acute and chronic disorders, with a focus on the effects of aging on organ function. Concurrent clinical experience is in acute settings. This is a required course for the Nursing Program.

Transfers to CSU

NURSING 222 † **Psychiatric and Community Health Nursing**

5.5 units, 3 hours lecture, 7.5 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 psychosocial and behavioral disorders. This course will also explore the role of the nurse caring for individuals, families, communities, and populations, with an emphasis on designing, implementing, and evaluating population-based interventions to promote health.

Emphasis is placed on health promotion and prevention of population-based health problems. Consideration is given to populations experiencing chronic health problems being cared for in the

home and community. The focus is on nursing considerations regarding environmental factors such as physical, psychological, social, spiritual, and cultural elements and the way they impact hospitalized patients as well as those in outpatient and community settings throughout the lifespan. Concurrent clinical experiences are in acute, outpatient, and community settings, including day treatment centers. This is a required course for the Nursing Program.

Transfers to CSU

NURSING 230 † **Medical-Surgical Nursing III**

8 units, 3.5 hours lecture, 14 hours laboratory

Prerequisite: A "C" grade or higher in Nursing 220 and 222 or equivalent.

This course focuses on the nursing theory and nursing management of adult patients across the lifespan with multi system alterations in health which are more complex than those studied previously. There is an emphasis on diseases and disorders in the cardiac, pulmonary, vascular, and neurologic systems. There is a strong emphasis on the application of critical thinking and clinical decision-making in high acuity settings. The course also offers a campus laboratory designed to teach the students technical skills necessary to manage high acuity patients. Advanced airway management, ventilator management, hemodynamic monitoring, ECG interpretation, advanced neuro assessment, and other complex skills are presented. Concurrent clinical experience is in acute care and critical care settings. Concepts related to current issues in nursing as well as those related to the role transition from student to new graduate will also be integrated throughout the course. This is a required course for the Nursing Program.

Transfers to CSU

NURSING 251 A-B-C † **Work-Study Externship**

1 unit, 5 hours work experience per week

60 volunteer hours or 75 paid hours

Prerequisite: A "C" grade or higher in NURS 130 or equivalent and approval by the nursing faculty.

A work-study course authorized by the California Board of Registered Nursing in which a Grossmont College nursing student is employed by or volunteers at a clinical site with clinical facilities that have an established affiliation agreement with the Nursing Program. The clinical site supports the objectives of the course and provides supervision through RN mentors and preceptors. The student applies previously acquired nursing theory and clinical skills in the management of patient care. The college instructor and practice site mentors meet periodically to evaluate progress towards meeting objectives.

This course is offered on a Pass/No Pass basis only and may be taken three times. This is an elective course in the Nursing Program. For work experience requirements, see page 45.

Transfers to CSU

NURSING 252 A-B-C † **Work-Study Externship**

2 units, 10 hours work experience per week

120 volunteer hours or 150 paid hours

Prerequisite: A "C" grade or higher in NURS 130 or equivalent and approval by the nursing faculty.

A work-study course authorized by the California Board of Registered Nursing in which a Grossmont College nursing student is employed by or volunteers at a clinical site with clinical facilities that have an established affiliation agreement with the Nursing Program. The clinical site supports the objectives of the course and provides supervision through RN mentors and preceptors. The student applies previously acquired nursing theory and clinical skills in the management of patient care. The college instructor and practice site mentors meet periodically to evaluate progress towards meeting objectives. This course is offered on a Pass/No Pass basis only and may be taken three times. This is an elective course in the Nursing Program. For work experience requirements, see page 45.

Transfers to CSU

NURSING 253 A-B-C † **Work-Study Externship**

3 units, 15 hours work experience per week

180 volunteer hours or 225 paid hours

Prerequisite: A "C" grade or higher in NURS 130 or equivalent and approval by the nursing faculty.

A work-study course authorized by the California Board of Registered Nursing in which a Grossmont College nursing student is employed by or volunteers at a clinical site with clinical facilities that have an established affiliation agreement with the Nursing Program. The clinical site supports the objectives of the course and provides supervision through RN mentors and preceptors. The student applies previously acquired nursing theory and clinical skills in the management of patient care. The college instructor and practice site mentors meet periodically to evaluate progress towards meeting objectives. This course is offered on a Pass/No Pass basis only and may be taken three times. This is an elective course in the Nursing Program. For work experience requirements, see page 45.

Transfers to CSU

† This course meets all Title 5 standards for Associate Degree Credit.

NURSING 255 † **Clinical Reasoning Skills** **for Third Semester Nursing** **Students**

1.5 units, 4.5 hours laboratory

Corequisite: NURS 220 or NURS 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

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

NUTRITION (NUTR)

NUTRITION 155 † **Introduction to Nutrition**

3 units, 3 hours lecture

Recommended Preparation: A "C" grade or higher or "Pass" in English 110 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 D; CSU E

Transfers to: CSU, UC

NUTRITION 158 † **Nutrition for Fitness and** **Sports**

3 units, 3 hours lecture

Recommended Preparation: A "C" grade or higher or "Pass" in English 110 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 D; CSU E

Transfers to CSU

NUTRITION 159 † **Cultural Aspects of Food and** **Nutrition**

3 units, 3 hours lecture

Recommended Preparation: A "C" grade or higher or "Pass" in English 110 or equivalent.

This course explores the regional, ethnic, cultural, religious, historical, economic, and social influences on food patterns, cuisines, and health as well as how food is viewed as an expression of cultural diversity. An overview of nutritional problems of ethnic groups are discussed and assessed along with geographic factors within cultures. Also examined are traditional foods, food availability, global food issues, religious influences and dietary habits. Connections are drawn between major historical events and how and why these events affected and defined the culinary traditions of different societies. The course also addresses nutrition consequences of ethnic food choices, and sanitation, and safety practices.

Satisfies General Education for: Grossmont College D; CSU E

Transfers to CSU, UC

NUTRITION 205 † **The Scientific Principles of** **Food Preparation**

4 units, 3 hours lecture, 3 hours laboratory

Prerequisite: A "C" grade or higher or "Pass" in CHEM 116 or equivalent.

This course explores the science of food with an emphasis on the chemical compounds, chemical reactions and physical changes that occur during food preparation. The course will examine the function and interaction of ingredients, food safety and sanitation standards, and the effects of preparation methods on the nutrient composition and palatability of foods. The course includes hands-on experience in sensory evaluation techniques and standards, as well as a variety of food preparation techniques.

Transfers to CSU

NUTRITION 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 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 lifecycle will be thoroughly examined.

Satisfies General Education for: CSU E

Transfers to: CSU, UC

† This course meets all Title 5 standards for Associate Degree Credit.

OCCUPATIONAL THERAPY ASSISTANT (OTA)

OCCUPATIONAL THERAPY ASSISTANT 100 †

Fundamentals of Occupational Therapy

2 units, 2 hours lecture

Prerequisite: Admission to Occupational Therapy Assistant Program.

Corequisite: OTA 101 and 110 and 111.

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

2 units, 1 hour lecture, 3 hours laboratory

Corequisite: OTA 100 and 110 and 111.

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 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 †

Experiential/Simulation I

1 unit, 3 hours laboratory

Corequisite: OTA 100 and 101 and 110.

Experiential/Simulation 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

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 and 141.

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 and 141.

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

3 units, 2 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

† This course meets all Title 5 standards for Associate Degree Credit.

OCCUPATIONAL THERAPY ASSISTANT 141 †

Experiential/Simulation II

1 unit, 3 hours laboratory

Corequisite: OTA 120, 130 and 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 200 †

Introduction to Occupational Therapy Skills in Physical Rehabilitation

3 units, 3 hours lecture

Prerequisite: A "C" grade or higher in OTA 101

The normal occupational performance in development of adult and geriatric roles is explored. The physical, socioeconomic, environmental factors, lifestyle choices, and physical factors that influence adult and geriatric occupational performance in their roles. Exploration of the recovery process, from acute care to rehabilitation for physical and psychosocial conditions, is reviewed. The role of the occupational therapy assistant in prevention and rehabilitation programs is defined. Involvement in assessment, intervention, and therapeutic activities that facilitate age appropriate occupational behaviors is practiced. The discharge process and collaboration with other professionals and community agencies is included as part of the treatment continuum.

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 221 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, 1 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

OCCUPATIONAL THERAPY ASSISTANT 221 †

Experiential/Simulation III

1 unit, 3 hours laboratory

Corequisite: OTA 210 and 220 and 230

A laboratory course providing a continuation of Experiential/Simulation 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 and 221.

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

This course is designed for occupational therapy assistants and/or recent graduates of occupational therapy assistant programs who intend to sit for the National Board for Certification in Occupational Therapy (NBCOT) certification examination. This course will include a review of kinesiology concepts and measurements, theories and frames of reference, the practice framework, code of ethics issues, clinical case studies and treatment interventions, modalities, splinting, management issues and practice areas.

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.

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 45.

Transfers to CSU

OCCUPATIONAL THERAPY ASSISTANT 241 †

Clinical Practicum V

6 units, 18 hours laboratory

Prerequisite: A "C" grade or higher 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

† This course meets all Title 5 standards for Associate Degree Credit.

to sit for the national Certification Examination. This course is offered on a Pass/No Pass basis only. For work experience requirements, see page 45.
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 is offered on a Pass/No Pass basis only.

Transfers to CSU

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 †

(Biology 150, 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 Oceanography 150 will not be able to enroll in Biology 150, Geography 150 or Geology 150.

Transfers to: CSU, UC (credit limited: see page 54)

ORTHOPEDIC TECHNOLOGY (OT)

ORTHOPEDIC TECHNOLOGY 110 †

Orthopedic Anatomy and Physiology

5 units, 5 hours lecture

Prerequisite: Admission to the Orthopedic Technology Program

Corequisite: Orthopedic Technology 111 and Orthopedic Technology 112.

A study of the development of the muscular-skeletal systems with the emphasis on gross anatomy of the bones, arterial and venous perfusion, and relevant nervous innervation as they relate to the treatment of orthopedic injuries.

Transfers to CSU

ORTHOPEDIC TECHNOLOGY 111 †

Orthopedic Techniques I

4 units, 1 hour lecture, 9 hours laboratory

Prerequisite: Admission to the Orthopedic Technology Program.

Corequisite: Orthopedic Technology 110 and Orthopedic Technology 112.

An introduction to cast room protocols, including instrumentation, the techniques for the application of the basic types of casts and the special considerations required for treatment of orthopedic trauma cases. The course will include the application of orthopedic casts in the campus laboratory setting and clinical setting.

Transfers to CSU

ORTHOPEDIC TECHNOLOGY 112 †

Introduction to Clinical Practicum

3 units, 3 hours lecture

Prerequisite: Admission to the Orthopedic Technology Program

Corequisite: Concurrent enrollment in OT 110 and OT 111.

This course prepares the Orthopedic Technology student for the clinical setting with topics such as HIPAA, infection control, radiation safety, basic patient care, interpersonal communication, cultural diversity, ethics, professionalism in the healthcare environment, and expectations of the Orthopedic Technology student during clinical assignments in both the hospital and private practice setting.

Transfers to: CSU

ORTHOPEDIC TECHNOLOGY 210 †

Diagnosis and Treatment of Orthopedic Disorders I

5 units, 4.5 hours lecture, .5 hours laboratory

Prerequisite: A "C" grade or higher in Orthopedic Technology 110.

Corequisite: Orthopedic Technology 211 and 212.

This course provides advanced instruction in the diagnosis and treatment of orthopedic disorders. Students will be provided techniques for the treatment of orthopedic injuries. This course also offers a campus laboratory designed to teach students advanced application of orthopedic devices for patients with acute and chronic injuries.

Transfers to CSU

† This course meets all Title 5 standards for Associate Degree Credit.

ORTHOPEDIC TECHNOLOGY 211 † Orthopedic Techniques II

4 units, 1 hour lecture, 9 hours laboratory

Prerequisite: A "C" grade or higher in Orthopedic Technology 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 advanced assessment and diagnosis of orthopedic injuries through the analysis of x-rays. Application of special casts, pediatric casts, full-body casts and various traction configurations and techniques.

Transfers to CSU

ORTHOPEDIC TECHNOLOGY 212 † Supervised Hospital Clinical Practicum I

3 units, 9 hours laboratory

Prerequisite: A "C" grade or higher in Orthopedic Technology 112.

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 212.

Corequisite: Orthopedic Technology 215

This course is a continuation of Orthopedic Technology 212, Supervised Clinical Practicum I, and is designed to teach the clinical application of orthopedic techniques in the clinical environment. Students will apply casts, assist in the reduction of fractures, apply and maintain traction configurations and devices, apply total body casts, and assist the orthopedic surgeon in minor and major surgical procedures. Students will also participate in pre-and post-operative patient teaching.

Transfers to CSU

ORTHOPEDIC TECHNOLOGY 215 † Diagnosis and Treatment of Orthopedic Disorders II

3 units, 3 hours lecture

Prerequisite: A "C" grade or higher or "Pass" in OT 210 and 211 and concurrent enrollment in OT 214

This course is a continuation of OT 211 with emphasis on advanced orthopedic conditions, disorders, and treatment of the spine, specialty casting and certification Board exam review and preparation.

Transfers to: CSU

ORTHOPEDIC TECHNOLOGY 220 † Work Experience Externship

2 units, 120 volunteer or 150 paid work experience hours

Prerequisite: A "C" grade or higher in OT 214 and OT 215 and approval of the OT faculty

A work experience course in which a Grossmont College orthopedic student volunteers at a clinical site with which the Orthopedic Technology Program has established an affiliation agreement. The clinical site supports the objectives of the course and provides supervision through Orthopedic Technology mentors and preceptors. The student applies previously acquired orthopedic theory and clinical skills in the management of orthopedic patients.

This course is offered on a Pass/No Pass basis only.

Transfers to: CSU

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 a qualified DSPS faculty member prior to the assessment process. This course is offered on a Pass/No Pass basis only. (Nondegree credit course)

PERSONAL DEVELOPMENT – SPECIAL SERVICES 085 †† Adapted Computer Basics

1 unit, .5 hours lecture, 1.5 hours laboratory

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 092 †† Math Strategies for Students with Disabilities

1 unit, 1 hour lecture

Instruction in strategies to improve success in developmental math courses for students with disabilities. 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 styles and use the information to develop study strategies that are appropriate for a math course. Students with disabilities enrolled in Math 088, 090, 103 or 110 would benefit from this course. This course is offered on a Pass/No Pass basis only. (Nondegree credit course)

PERSONAL DEVELOPMENT – SPECIAL SERVICES 095 †† 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)

† 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 097 ††
Basic Writing for Students
with Disabilities**

2 units, 2 hours lecture

This course provides instruction in basic written language skills and knowledge to improve grammar, mechanics, usage, and composing skills for students with disabilities. Students will write narrative and expository paragraphs, focusing on the application of grammatical and mechanical rules and concepts in the context of writing. This course is offered on a Pass/No Pass basis only. (Nondegree credit course)

**PERSONAL DEVELOPMENT –
SPECIAL SERVICES 098 ††
Writing Fundamentals for
Students with Disabilities**

2 units, 2 hours lecture

This course 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)

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 C; CSU C2; IGETC 3B

Transfers to: CSU, UC

**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 C; 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 C; 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 C; 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 C; 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 C; 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

† This course meets all Title 5 standards for Associate Degree Credit.

†† This course meets all Title 5 standards for Nondegree Credit.



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 C; CSU C2; IGETC 3B
Transfers to: CSU, UC

PHILOSOPHY 141 † **Bioethics**

3 units, 3 hours lecture

This course introduces students to the range of issues that define bioethics, the fundamental moral issues that arise in medicine, health, and biotechnology. These philosophical issues involve critical dilemmas at the intersections of law, society, culture, public policy, religion and economics.

Satisfies General Education for: Grossmont College C; CSU C2; IGETC 3B
Transfers to: CSU, UC

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 C; CSU C2; IGETC 3B
Transfers to: CSU, UC

PHILOSOPHY 150 † **The Philosophy of Art**

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 C; 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: Grossmont College C; CSU C2; IGETC 3B
Transfers to: CSU, UC

PHILOSOPHY 160 † **Latin American Philosophy**

3 units, 3 hours lecture

The course begins with the indigenous philosophies of Latin America, such as that of the Maya, and proceeds to the colonial period, under which students will learn of imported philosophies such as Scholasticism and Enlightenment thought. The curriculum then turns to the striving for independence in the post-colonial period, and the uneasy tension between positivism and inclusion. As the course turns to the thought of the Twentieth Century, the philosophies of liberation, postmodernism and globalism are explored. The conclusion of this course is a survey of the Latin American philosophies of our century, including those arising in the United States.

Satisfies General Education for: Grossmont College C
Transfers to: CSU, UC

PHOTOGRAPHY **(PHOT)**

PHOTOGRAPHY 150 † **Introduction to Photography**

3 units, 2 hours lecture, 4 hours laboratory

Introductory course that examines the nature of photography and visual literacy through the personal exploration and making of photographic images with various image-making devices, and various image-processing approaches, including the use of Adobe Photoshop and an analog (film) darkroom. The primary focus of the course will be to engage in photographic practice as a means to respond subjectively as well as objectively to the conceptual and aesthetic experiences of the photographic image as a visual document of creative expression and communication. Historical and contemporary photographic works from the contexts of the family album, art

† This course meets all Title 5 standards for Associate Degree Credit.

photography, commercial / advertising photography, photography and media, and cyberspace will be examined and critically discussed to further cultivate and refine each students' visual literacy of the photographic image in society and culture. Any type of lens-based, image-making device including smart phones, digital point-and-shoot cameras, and digital SLR's can be used. *Satisfies General Education for: Grossmont College C*

Transfers to: CSU, UC

PHOTOGRAPHY 151 † **Personal Photographic Vision**

3 units, 2 hours lecture, 4 hours laboratory

This course examines the foundations of photographic seeing, thought and analysis, and the uses of analog (film) and digital photographic materials and processes, including black and white film, digital grayscale, and color (film and digital). Primary focus of the course is the development of a personal photographic vision through the use of photography's aesthetic attributes and a refined sense of technical execution and craft. Appropriate for students with prior exposure to photography and basic photographic experience. Discussion and practice with small and medium format (film) cameras, image exposure methods, basic artificial lighting techniques, image optimization and use of the dynamic tonal range with film processing and digital imaging techniques, and photographic printing practices in both darkroom and digital environments. The Photography Program provides a 35mm film camera for student use during the semester.

Transfers to: CSU, UC

PHOTOGRAPHY 152 † **Contemporary Photographic Practice**

3 units, 2 hours lecture, 4 hours laboratory

Prerequisite: A "C" grade or higher or "Pass" in Photography 150 or Photography 151 or equivalent.

This course explores various advanced analog (film) and digital photographic imaging systems, including medium- and large-format cameras, emerging technologies, and artificial lighting techniques in providing a foundation within the medium. Conceptual, aesthetic and technical principles, theories and strategies will be examined, including the application of one's photographic vision with medium- and large-format cameras, digital capture and/or emerging technology systems, appropriate image exposure, image-processing with Adobe Lightroom and Photoshop, and printing applications, as well as artificial lighting techniques on location and in the studio.

Transfers to CSU

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 C; CSU C1; IGETC 3A

Transfers to CSU, UC

PHOTOGRAPHY 166 † **Image and Idea**

3 units, 2 hours lecture, 4 hours laboratory

Prerequisite: A "C" grade or higher or "Pass" in Photography 150 or 151 or equivalent.

This course is an in-depth exploration of photographic imaging with an emphasis on relating historical and contemporary conceptual thought, practice and 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, UC

PHOTOGRAPHY 252 † **Photographer's Portfolio**

3 units, 2 hours lecture, 4 hours laboratory

Prerequisite: A "C" grade or higher or "Pass" in Photography 152.

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

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; IGETC 5A

Transfers to: CSU, UC

† This course meets all Title 5 standards for Associate Degree Credit.

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 54)

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 54)

PHYSICAL SCIENCE 120 † Fundamentals of Scientific Computing (MATLAB)

4 units, 3 hours lecture, 3 hours laboratory

Prerequisite: A "C" grade or higher or "Pass" in Math 103 or Math 110 or equivalent.

This course will focus on problem solving, data manipulation, and visualization using the MATLAB computing environment using applications from: physical science, engineering, life sciences, mathematics and statistics. Students will learn to analyze data, write simple algorithms for data processing and simulation, and visualize the results. Topics include: operations and variables; graphics and programming; solving equations and model fitting.

Satisfies General Education for: Grossmont College A3; CSU B4
Transfers to CSU, UC

PHYSICAL SCIENCE 210 † Fundamentals of Electric Circuits

4 units, 3 hours lecture, 3 hours laboratory

Prerequisite: A "C" grade or higher or "Pass" or concurrent enrollment in MATH 280 and PHYC 240 or equivalent

Physical Science 210 provides an introduction to DC and AC circuit construction and analysis for students majoring in the physical sciences. Applies Kirchoff's Laws, nodal and mesh analysis, Norton and Thevenin's theorems to real and theoretical circuits. Also covers steady-state and transient responses of networks, RLC circuits, complex impedance, and power transfer. Students will use laboratory tools (e.g. breadboards, oscilloscopes, and signal generators) to construct and analyze circuits.

Transfers to: CSU, UC

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 54)

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 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 54)

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 electric charges, electric and magnetic fields and forces, DC and AC circuits electromagnetic waves, light, optical instruments, relativity, modern physics, and atomic and nuclear physics. The course makes extensive use of algebra, trigonometry, geometry, and calculus, as appropriate. The laboratory provides emphasis on measurement techniques involving electric charge, electric circuits, oscilloscopes, optics, interference, lasers, 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 54)

PHYSICS 140 † Mechanics of Solids

4 units, 3 hours lecture, 3 hours laboratory

Prerequisite: A "C" grade or higher or "Pass" in Mathematics 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 54)

† This course meets all Title 5 standards for Associate Degree Credit.

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 54)

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 54)

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 D; CSU D; IGETC 4
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 English as a Second Language 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.

Satisfies General Education for: Grossmont College D; CSU D; IGETC 4
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 D; CSU D; IGETC 4
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 English as a Second Language 119 or equivalent.

This course is a survey of the field 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 D; CSU D; IGETC 4
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.

Satisfies General Education for: Grossmont College D; CSU D; IGETC 4
Transfers to: CSU, UC

† This course meets all Title 5 standards for Associate Degree Credit.

POLITICAL SCIENCE 150 † **Introduction to Political Theory**

3 units, 3 hours lecture

Recommended Preparation: A "C" grade or higher or "Pass" in 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 D; CSU D

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 D; IGETC 4

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 D; CSU D; IGETC 4

Transfers to: CSU, UC

POLITICAL SCIENCE 195 † **Internship in Political Science**

1 unit, 5 hours work experience per week
60 volunteer hours or 75 paid hours

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 45.

Transfers to: CSU

POLITICAL SCIENCE 197 † **Internship in Political Science**

2 units, 10 hours work experience per week
120 volunteer hours or 150 paid hours

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 45.

Transfers to: CSU

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 D; CSU D; IGETC 4

Transfers to: CSU, UC

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 D; CSU D; IGETC 4

Transfers to: CSU, UC (credit limited: see page 54)

PSYCHOLOGY 132 † **Psychology of Health**

3 units, 3 hours lecture

The goal of health psychology is to understand the psychological influences on health promotion and maintenance, on prevention and treatment of illness and on the individual's response to illness. The course will focus on the etiology and correlates of health and illness, as well as analyze the health care system and the formulation of health policies.

Satisfies General Education for: Grossmont College D; CSU E

Transfers to: CSU

PSYCHOLOGY 134 † **Human Sexuality**

3 units, 3 hours lecture

An overview of the biological, psychological, social and cultural aspects of human sexuality. Topics include historical, social and cultural variations, the influence of gender in sexual behavior, the anatomy and physiology of human sexuality and reproduction, sexuality throughout the lifespan, sexual orientation, communication and relationships, sex therapy, rape and sexual assault, contraception and new reproductive technologies, sexual morality and STDs.

Satisfies General Education for: Grossmont College D; CSU D, E; IGETC 4

Transfers to: CSU, UC

† This course meets all Title 5 standards for Associate Degree Credit.

PSYCHOLOGY 138 †

(Sociology 138)

Social Psychology

3 units, 3 hours lecture

An examination of individuals in social contexts to reveal how one's thoughts, feelings and actions can be influenced by other people. Includes topics such as social perception and attribution processes, dissonance, reduction, altruism, aggression, prejudice, conformity, and group processes.

Satisfies General Education for: Grossmont College D; CSU D; IGETC 4

Transfers to: CSU, UC (credit limited: see page 54)

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. Ethical standards for human and animal research are discussed in the context of both invasive and non-invasive experimental research.

Satisfies General Education for: Grossmont College D; CSU D or E; IGETC 4

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 D or E; IGETC 4

Transfers to: CSU, UC (credit limited: see page 54)

PSYCHOLOGY 170 †**Abnormal Psychology**

3 units, 3 hours lecture

Overview of psychological research and theoretical perspectives involving the diagnoses, causes, and treatment of abnormal behavior. The major disorders include anxiety disorders (such as phobias, panic attacks, and obsessive-compulsive), mood disorders (such as depression and bipolar disorders), schizophrenia, personality disorders, childhood/adolescent disorders (such as ADHD, eating disorders, and disorders of the autism spectrum), substance-related disorders and cognitive disorders.

Satisfies General Education for: Grossmont College D; CSU D; IGETC 4

Transfers to: CSU, UC

PSYCHOLOGY 180 †**Psychology of Interpersonal Skills**

3 units, 3 hours lecture

A study of those skills important for helpful interpersonal relating, accompanied by structured experience and training in their practice. The skill of empathic 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, UC

PSYCHOLOGY 201 †**Academic and Career Opportunities in Psychology**

1 unit, 1 hour lecture

Prerequisite: A "C" grade or higher or "Pass" in PSY 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 PSY 120 and PSY 215 or ANTH 215 or SOC 215 or MATH 160 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 211 †**Cognitive Psychology**

3 units, 3 hours lecture

Prerequisite: A "C" grade or higher or "Pass" in Psychology 120 or equivalent.

A general introduction to the principles of cognition. This course examines theoretical and research approaches to the study of cognitive neuroscience, perception, attention, memory, knowledge, visual imagery, language acquisition and development, problem solving and decision making.

Satisfies General Education for: CSU D; IGETC 4

Transfers to CSU, UC

PSYCHOLOGY 215 †

(Anthropology 215, Sociology 215)

Statistics for the Behavioral Sciences

4 units, 3.5 hours lecture, 1.5 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 54)

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: Grossmont College D; CSU D or E; IGETC 4

Transfers to: CSU, UC

† This course meets all Title 5 standards for Associate Degree 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 C; 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 C; 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 C; 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 C; CSU C2; IGETC 3B
Transfers to: CSU, UC

RELIGIOUS STUDIES 170 † Introduction to the New Testament

3 units, 3 hours lecture

This course is the study of the history and culture of the New Testament period. The content of the books of the New Testament will be studied while learning and applying modern scholarly

methods of critical analysis to these Biblical materials.

Satisfies General Education for: Grossmont College C; CSU C2; IGETC 3B
Transfers to CSU, UC

RESPIRATORY THERAPY (RESP)

RESPIRATORY THERAPY 105 † Cardiopulmonary Physiology and Disease Entities

4 units, 4 hours lecture

Prerequisite: Admission to the Respiratory Therapy Program.

Corequisite: A "C" grade or higher or concurrent enrollment in RESP 108 and 112 and 114.

This course is designed to explore advanced functions of the cardiopulmonary system by building upon previous knowledge of human anatomy and physiology. The course expands on the physiological processes of ventilation, gaseous diffusion, gaseous transport, the relationship between the pulmonary and systemic circulations, and how acid-base balance is essential in maintaining cellular homeostasis. Students will compare and contrast normal and abnormal anatomy and physiology and examine the interrelationship between abnormal findings and disease.

Transfers to CSU

RESPIRATORY THERAPY 108 † Basic Respiratory Therapy Equipment, Procedures and Life Support Systems

5 units, 3 hours lecture, 6 hours laboratory

Prerequisite: Admission to the Respiratory Therapy Program.

Corequisite: A "C" grade or higher or concurrent enrollment in RESP 105 and 112 and 114

This course is designed to introduce the student to basic patient assessment, equipment, and procedures used in respiratory therapy. Equipment principles of operation, proper care and maintenance, and trouble-shooting are included. Education of diverse patient populations, proper infection control techniques, and patient care plans are introduced. Simulation and laboratory exercises are integrated into the course in order to improve the students' ability to manage patients, promote critical thinking and decision-making skills, and to improve communication and technical skills.

Transfers to CSU

RESPIRATORY THERAPY 112 † Supervised Clinical Practicum I

1 unit, 3 hours laboratory

Prerequisite: Admission to the Respiratory Therapy Program.

Corequisite: A "C" grade or higher or concurrent enrollment in RESP 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 † Cardiopulmonary Pharmacology

2 units, 2 hours lecture

Prerequisite: Admission to the Respiratory Therapy Program.

Corequisite: A "C" grade or higher or concurrent enrollment in RESP 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

2.5 units, 2.5 hours lecture

Prerequisite: A "C" grade or higher in RESP 105 and 108 and 112 and 114 or equivalent.

Corequisite: A "C" grade or higher or concurrent enrollment in RESP 118 and 122 and 150.

This course is designed to build upon basic assessment skills. Development of advanced skills is done through incorporating diverse techniques used when completing physical examinations, gathering data, making decisions and providing recommendations in the care of patients with cardiopulmonary diseases. This process is done through analyzing data, deciphering significant clinical findings, discussing effective communication methods and collaboratively formulating a plan of care.

Transfers to CSU

† This course meets all Title 5 standards for Associate Degree Credit.

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 RESP 105 and 108 and 112 and 114 or equivalent.

Corequisite: A "C" grade or higher or concurrent enrollment in RESP 116 and 122 and 150.

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

RESPIRATORY THERAPY 122 † Supervised Clinical Practicum II

3 units, 9 hours laboratory

Prerequisite: A "C" grade or higher in RESP 105 and 108 and 112 and 114 or equivalent.

Corequisite: A "C" grade or higher or concurrent enrollment in RESP 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 BIO 140 and BOT 161 or equivalent.

Corequisite: RESP 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 & Physiology for the Anesthesia Technician

2 units, 2 hours lecture

Corequisite: RESP 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: RESP 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 RESP 141 and 142 and 143.

Corequisite: RESP 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 RESP 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 RESP 141 and 142 and 143.

Corequisite: RESP 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

† This course meets all Title 5 standards for Associate Degree Credit.

RESPIRATORY THERAPY 146 † Pharmacology for the Anesthesia Technician

2 units, 2 hours lecture

Prerequisite: A "C" grade or higher in RESP 141, 142, and 143.

Corequisite: RESP 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

RESPIRATORY THERAPY 147 † Anesthesia Technology III

2.5 units, 1.5 hours lecture, 3 hours laboratory

Prerequisite: A "C" grade or higher in RESP 144, 145, and 146.

Corequisite: RESP 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 RESP 144, 145, and 146.

Corequisite: RESP 147

This course will provide further experience in clinical anesthesia technology, focusing on information and skills learned in RESP 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 RESP 105 and 108 and 112 and 114 or equivalent.

Corequisite: A "C" grade or higher or concurrent enrollment in RESP 116 and 118 and 122.

This course is designed to familiarize the respiratory therapy student with the knowledge necessary to care for pediatric and neonatal patient populations. Pediatric, infant, and neonatal physiology, pathophysiology, clinical manifestations, management and treatment in acute and critical care are emphasized.

Transfers to CSU

RESPIRATORY THERAPY 200 A-B-C † Work-Study Externship – Patient Care Management

1 unit, 5 hours work experience per week

60 volunteer hours or 75 paid hours

Prerequisite: A "C" grade or higher in RESP 122 or equivalent and recommendation of the RESP 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 45.

Transfers to CSU

RESPIRATORY THERAPY 201 † Cardiopulmonary Pathology and Pathophysiology

4 units, 4 hours lecture

Prerequisite: A "C" grade or higher in RESP 116 and 118 and 122 and 150 or equivalent.

Corequisite: A "C" grade or higher or concurrent enrollment in RESP 208 and 222.

This course is an introduction to basic respiratory pathology and resulting abnormal physiology. The role of the respiratory therapist in management of cardiorespiratory disease entities commonly found in the general care environment, in the intensive care unit, and in the home care setting is developed. Emphasis is placed on the pathological processes.

Transfers to CSU

RESPIRATORY THERAPY 202 A-B-C † Work-Study Externship – Patient Care Management

2 units, 10 hours work experience per week

120 volunteer hours or 150 paid hours

Prerequisite: A "C" grade or higher in RESP 122 or equivalent and recommendation of the RESP 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 45.

Transfers to CSU

RESPIRATORY THERAPY 205 † Cardiopulmonary Patient Management

3.5 units, 3.5 hours lecture

Prerequisite: A "C" grade or higher in RESP 201 and 208 and 222 or equivalent.

Corequisite: A "C" grade or higher or concurrent enrollment in RESP 232 and 268

This course is a capstone course designed to use critical thinking and decision making skills to incorporate previous learning with new concepts, investigation, and research. All patient populations and levels of care are included in this course. Capstone projects are required.

Transfers to CSU

RESPIRATORY THERAPY 208 † Invasive and Noninvasive Cardiopulmonary Monitoring

4 units, 3 hours lecture, 3 hours laboratory

Prerequisite: A "C" grade or higher in RESP 116 and 118 and 122 and 150 or equivalent.

Corequisite: A "C" grade or higher or concurrent enrollment in RESP 201 and 222.

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 220 † Sleep Disorders, Diagnostic Procedures, and Treatments

4 units, 4 hours lecture

This course is designed to familiarize the student with sleep medicine and the opportunities available in this specialty. The course will include roles of the sleep specialist, infection control and patient safety, sleep physiology and functions, monitoring of the patient, and the use of diagnostic and treatment equipment and options.

Transfers to CSU

RESPIRATORY THERAPY 222 † Supervised Clinical Practicum III

4 units, 12 hours laboratory

Prerequisite: A "C" grade or higher in RESP 116 and 118 and 122 and 150 or equivalent.

Corequisite: A "C" grade or higher or concurrent enrollment in RESP 201 and 208.

This course provides practice in advanced respiratory procedures and therapeutic techniques in the critical care environment. Therapeutic management of critical pulmonary patients is practiced under direct instructor supervision. Assessment of patient pulmonary status by the student is required prior to the convening of clinical.

Transfers to CSU

RESPIRATORY THERAPY 232 † Supervised Clinical Practicum IV

4 units, 12 hours laboratory

Prerequisite: A "C" grade or higher in RESP 201 and 208 and 222 or equivalent.

Corequisite: A "C" grade or higher or concurrent enrollment in RESP 205 and 268.

This course provides cardiopulmonary specialty techniques in the hospital environment or simulation lab under direct supervision of specialty experts. These techniques build upon content from RESP 201, 208, and 222.

Transfers to CSU

RESPIRATORY THERAPY 268 † Respiratory Therapy Home Care Techniques

1.5 units, 1.5 hours lecture.

Prerequisite: A "C" grade or higher in RESP 201 and 208 and 222 or equivalent.

Corequisite: A "C" grade or higher or concurrent enrollment in RESP 205 and 232.

This course will provide the student with a review of various apparatuses utilized by patients in their home. This will include home oxygen therapy modalities, home sterilization techniques and home ventilator life support systems.

Transfers to CSU

RESPIRATORY THERAPY 270 † Respiratory Therapy Review

2 units, 2 hours lecture

Prerequisite: A "C" grade or higher in RESP 201 and 208 and 222 or equivalent.

This course will review all areas of Respiratory Therapy as preparation for the Respiratory Therapy advanced level credentialing examinations. Emphasis will be given to credentialing examination matrices.

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 C; 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.

This second course in the Russian language will continue to develop oral skills based on practical everyday needs and written skills based on formal communication.

Satisfies General Education for: Grossmont College C; CSU C2; IGETC 3B, 6A

Transfers to: CSU, UC

RUSSIAN 196 † Community Service Learning Experience

1 unit, 5 hours work experience per week
60 volunteer hours or 75 paid hours

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 45.

Transfers to CSU

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.

The course continues to develop oral, listening, reading, and writing skills in order to acquire proficiency in Russian. **Satisfies General Education for:** Grossmont College C; 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.

The course will continue to develop oral, listening, reading, and writing skills in order to improve proficiency in Russia.

Satisfies General Education for: Grossmont College C; 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.

This course focuses on intermediate level conversation development with vocabulary building and improvement of speaking proficiency in the context of Russian culture. Conversations are based on everyday situations and cultural events.

Satisfies General Education for: Grossmont College C; CSU C2; IGETC 6A

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.

This course continues to focus and expand on intermediate level conversation development with more complex and varied vocabulary building and improvement of speaking proficiency in the context of Russian-speaking culture. Conversations are based on current and cultural events.

Satisfies General Education for: Grossmont College C; CSU C2; IGETC 6A

Transfers to: CSU, UC

† This course meets all Title 5 standards for Associate Degree Credit.

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 and biological sciences. The concepts of scientific revolutions, scientific skepticism, experimental design, the ethical implications of scientific discovery, and the impact of the scientific enterprise on the world are covered. Pseudoscientific claims are investigated, with an eye toward critical thinking, 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. The relationship between science and religion is discussed.

Satisfies General Education for: Grossmont College B2; CSU A3 or B1; IGETC 5A
Transfers to: CSU, UC

SOCIOLOGY (SOC)

Sociology 114 † (Cross-Cultural Studies 114) Introduction to the Sociology of Minority Group Relations

3 units, 3 hours lecture

An introduction to the sociological analysis of ethnicity, race and immigration in a global context. Topics include the history of minority groups in the United States, patterns of interaction between racial and ethnic groups, colonialism, immigration, identity formation, prejudice, discrimination, racism, institutional racism, civil rights movements, and the intersection between race, social class and gender.

Satisfies General Education for: Grossmont College D; CSU D; IGETC 4
Transfers to: CSU, UC (credit limited: see page 54)

Sociology 120 † Introductory Sociology

3 units, 3 hours lecture

Introduction to major concepts, theoretical perspectives, and methods in the study of society. Topics include social structure, culture, social control, deviance, social stratification, globalization, ethnic and racial relations, gender, sexuality, complex organizations, social institutions, the material and symbolic dimensions of human social interactions, socialization, the social construction of the self and social change.

Satisfies General Education for: Grossmont College D; CSU D; IGETC 4
Transfers to: CSU, UC

Sociology 125 † Marriage, Family and Alternative Life Styles

3 units, 3 hours lecture

An introduction to the sociological analysis of families, marriages, and intimate relationships. Emphasis is placed on the analysis of the family's relationship to economic structures, political institutions, belief systems in different socio-cultural and historical contexts. Topics include: history of the family, socialization, sexuality, friendship, singlehood, courtship, marriage, communication patterns, parenting, adoption, divorce, remarriage, stepfamilies, and widowhood. Family life and intimate relationships in the contemporary USA are examined from the perspectives of different ethnic and racial groups.

Satisfies General Education for: Grossmont College D; CSU D or E; IGETC 4
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 poverty, unemployment, global economic inequality, racism, gender inequality, health care issues, crime, war, violence, terrorism, environmental degradation and the concentration of political and economic power. A critical evaluation of policies and programs for social betterment is also presented.

Satisfies General Education for: Grossmont College D; CSU D; IGETC 4
Transfers to: CSU, UC

Sociology 138 † (Psychology 138) Social Psychology

3 units, 3 hours lecture

An examination of individuals in social contexts to reveal how one's thoughts, feelings and actions can be influenced by other people. Includes topics such as social perception and attribution processes, dissonance, reduction, altruism, aggression, prejudice, conformity, and group processes.
Satisfies General Education for: Grossmont College D; CSU D; IGETC 4
Transfers to: CSU, UC (credit limited: see page 54)

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, arts, sports and communication. Gender and sexual relations in the contemporary USA are examined from the perspectives of different ethnic and racial groups.

Satisfies General Education for: Grossmont College D; CSU D; IGETC 4
Transfers to: CSU, UC

Sociology 150 † Latinx Sociology

3 units, 3 hours lecture

This course is an in-depth sociological examination of Latinx/Hispanic communities in the United States. Topics include family structure, gender roles and sexuality; religion; economics; racism; social movements; U.S./Mexico border issues and immigration policy; and education. Emphasis is placed on social interactions, politics of identity formation, and social processes impacting the status of U.S. Latinx/Hispanics. This course is intended for sociology majors or any student interested in the social sciences.

Satisfies General Education for: Grossmont College D; CSU D
Transfers to CSU

† This course meets all Title 5 standards for Associate Degree Credit.

Sociology 215 †

(Anthropology 215, Psychology 215)

Statistics for the Behavioral Sciences

4 units, 3.5 hours lecture, 1.5 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 54)

SPANISH (SPAN)**SPANISH 120 †****Spanish I**

5 units, 5 hours lecture

An introductory course to the Spanish language and the culture of its speakers. This course is designed for students with very little or no knowledge of Spanish. The purpose of the course is to facilitate the practical application of the language in everyday oral and written communication at the beginning novice level. Since the focus will be on basic communication skills, the class will be conducted in Spanish, as much as possible. While becoming familiar with the Spanish speaking world, students will learn structures that will enable them to communicate in Spanish in everyday contexts.

Satisfies General Education for: Grossmont College C; CSU C2; IGETC 6A
Transfers to: CSU, UC (credit limited: see page 54)

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 C; CSU C2; IGETC 3B, 6A
Transfers to: CSU, UC (credit limited: see page 54)

SPANISH 122 †**Spanish for the Native Speaker I**

5 units, 5 hours lecture

Prerequisite: A "C" grade or higher or "Pass" in Spanish 121 or equivalent.

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 culture of the Spanish-speaking world. This course is designed to provide the bilingual speaker with the linguistic and learning skills required for successfully completing upper division courses in Spanish. The course will be taught in Spanish. Not open to student with credit in Spanish 220 and 221.

Satisfies General Education for: Grossmont College C; CSU C2; IGETC 6A
Transfers to: CSU, UC (credit limited: see page 54)

SPANISH 123 †**Spanish for the Native Speaker II**

5 units, 5 hours lecture

Prerequisite: A "C" grade or higher or "Pass" in SPAN 122 or equivalent.

This course is designed to help Spanish-speaking students further improve their oral and written communication skills. In addition, it provides the bilingual speaker with the linguistic and learning skills required for successfully completing upper division courses in Spanish. Not open to students with credit in Spanish 221.

Satisfies General Education for: Grossmont College C; CSU C2; IGETC 3B, 6A,
Transfers to: CSU, UC (credit limited: see page 54)

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 C; 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 C; CSU C2
Transfers to CSU

SPANISH 196 †**Community Service Learning Experience**1 unit, 5 hours work experience per week
60 volunteer hours or 75 paid hours

Prerequisite: A "C" grade or higher or "Pass" in SPAN120 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 45.

Transfers to CSU

SPANISH 220 †**Spanish III**

5 units, 5 hours lecture

Prerequisite: A "C" grade or higher or "Pass" in SPAN 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. Not open to student with credit in Spanish 122.

Satisfies General Education for: Grossmont College C; 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 SPAN 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. Not open to student with credit in Spanish 123.

Satisfies General Education for: Grossmont College C; CSU C2; IGETC 3B, 6A
Transfers to: CSU, UC

† This course meets all Title 5 standards for Associate Degree Credit.

SPANISH 250 † Conversational Spanish I

3 units, 3 hours lecture

Prerequisite: A "C" grade or higher or "Pass" in SPAN 121 or 122 or 123 or 220 or 221 or three years of high school Spanish or equivalent.

Focuses on intermediate level conversation development with vocabulary building and improvement of speaking proficiency in the context of Spanish speaking culture. Conversations are based on everyday situations and cultural events.

Satisfies General Education for: Grossmont College C; CSU C2; IGETC 6A
Transfers to: CSU, UC

SPANISH 251 † Conversational Spanish II

3 units, 3 hours lecture

Prerequisite: A "C" grade or higher or "Pass" in SPAN 250 or four years of high school Spanish or equivalent.

Continues to focus and expand on intermediate level conversation development with more complex and varied vocabulary building and improvement of speaking proficiency in the context of Spanish-speaking culture. Conversations are based on current and cultural events.

Satisfies General Education for: Grossmont College C; CSU C2; IGETC 6A
Transfers to: CSU, UC

SPEECH COMMUNICATION

See: Communication

TELE- COMMUNICATIONS

See: Media Communications

THEATRE ARTS (THTR)

Unless specifically required by a transfer institution for preparation for a Theatre Arts major, students are limited to four enrollments in any combination of courses related in content (families). Students intending to major in Theatre Arts at a California State University or University of California campus that requires more than the limit should see a counselor. Refer to page 39 to see "Limitations on Enrollment" for specific groups of families in theatre arts.

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.

Satisfies General Education for Grossmont College C; CSU C1; IGETC 3A
Transfers to: CSU, UC

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, UC

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

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

† This course meets all Title 5 standards for Associate Degree Credit.

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 C; CSU CI; 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, UC

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, UC

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, UC

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, UC

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, UC

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, UC

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, UC

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, UC

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, UC

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" in Theatre Arts 130 or equivalent.

Training of voice and movement through exercises using the vocal and physical instruments as they pertain to creating a character. Leading exponents of voice and movement training will be studied and applied. Emphasis placed on both individual and ensemble performance.

Transfers to: CSU, UC

† This course meets all Title 5 standards for Associate Degree Credit.

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 54)

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 54)

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, UC

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, UC

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, UC

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, UC

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, UC

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, UC

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, UC

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, UC

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, UC

THEATRE ARTS 130 † Acting I

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.
Satisfies General Education for: Grossmont College C
Transfers to: CSU, UC

† This course meets all Title 5 standards for Associate Degree Credit.

THEATRE ARTS 131 † **Acting II**

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.
 Through scenes and monologues the student will explore physical and vocal techniques in intermediate acting with special emphasis on theory and practice, script analysis, and dissecting modern and classical language as a major interpretive tool.
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

THEATRE ARTS 136 † **Theatre Makeup I**

2 units, 1 hour lecture, 3 hours laboratory
Recommended Preparation: 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 used in theatre, television, and film. Techniques will include: casting prosthesis and air brushed makeup as well as using water based and pressed powder makeup. Emphasis will be placed on the creation of realistic and non-realistic character development and makeup design.
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 C; 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 C; CSU C1 or C2; IGETC 3A, 3B
Transfers to: CSU, UC

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, UC

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, UC

† This course meets all Title 5 standards for Associate Degree Credit.

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, UC

THEATRE ARTS 155 † **Stagecrafts**

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 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

Recommended Preparation: 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

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

THEATRE ARTS 205 † **The American Musical on Stage and Screen**

3 units, 3 hours lecture

This course will introduce students to the American Musical, from its inception through its most recent live, filmed, and digital manifestations. A study of the societal movements that influence musical theatre, including demographical, socio-economic, and technological trends, will be analyzed and applied. Important individual performers, producers, directors, composers, and adapters will be studied. Representative theatrical productions and films will be viewed and critiqued. Observation at selected performances is required.

Satisfies General Education for Grossmont College C; CSU C1; IGETC 3A

Transfers to: CSU, UC

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 † **Acting III**

3 units, 2 hours lecture, 3 hours laboratory

Prerequisite: A "C" grade or higher or "Pass" in Theatre Arts 131 or equivalent.

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 create a dramatic character on stage. Focus on collaboration and individual development, creative process, and reading skills with special emphasis on Shakespeare, Classic, and Modern Realism.

Transfers to: CSU, UC

THEATRE ARTS 234A † **Fundamentals of Musical Theatre – Performance I**

3 units, 2 hours lecture, 3 hours laboratory

Recommended Preparation: A "C" grade or higher or "Pass" in Theatre Arts 205 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: A "C" grade or higher or "Pass" in THTR 234A or equivalent.

Recommended Preparation: A "C" grade or higher or "Pass" in Theatre Arts 205 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

† This course meets all Title 5 standards for Associate Degree Credit.

THEATRE ARTS 235A † Fundamentals of Musical Theatre – Scene/Song I

3 units, 2 hours lecture, 3 hours laboratory
Recommended Preparation: A "C" grade or higher or "Pass" in Theatre Arts 205 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

THEATRE ARTS 235B † Fundamentals of Musical Theatre – Scene/Song II

3 units, 2 hours lecture, 3 hours laboratory
Prerequisite: A "C" grade or higher or "Pass" in Theatre Arts 235A or equivalent.

Recommended Preparation: A "C" grade or higher or "Pass" in Theatre Arts 205 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
60 volunteer hours or 75 paid hours

Prerequisite: Completion of Theatre Arts Technical Training Program.

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. All necessary paperwork will be maintained and regularly reviewed. For work experience requirements, see page 45.

Transfers to: CSU

THEATRE ARTS 242 † Theatre Arts Technical Internship

2 units, 10 hours work experience per week
120 volunteer hours or 150 paid hours

Prerequisite: Completion of Theatre Arts Technical Training Program.

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. All necessary paperwork will be maintained and regularly reviewed. For work experience requirements, see page 45.

Transfers to: CSU

THEATRE ARTS 243 † Theatre Arts Technical Internship

3 units, 15 hours work experience per week
180 volunteer hours or 225 paid hours

Prerequisite: Completion of Theatre Arts Technical Training Program.

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. All necessary paperwork will be maintained and regularly reviewed. For work experience requirements, see page 45.

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 THTR 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 THTR 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

WOMEN'S STUDIES

There is no department of Women's Studies at Grossmont College; however, the following courses could be of value to those who are interested in the changing role of women or transferring as a major in Women's or Gender Studies:

Cross-Cultural	Introduction to Studies 116	Women's Studies
Cross-Cultural	La Chicana Studies 127	
Cross-Cultural	Images of Black Studies 143	Women
Cross-Cultural	Early History of Studies/	Women in World History 154
Cross-Cultural	Modern History of Studies/	Women in World History 155
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 a variety of topics that could be related to women's changing lifestyles and alternatives. See the current class schedule for offerings.

† This course meets all Title 5 standards for Associate Degree Credit.



GENERAL INFORMATION



GENERAL INFORMATION

AIR FORCE AND 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 Recruiting Flight Commander at (619) 594-5550 or see the websites below for more information.

US Air Force Website: www.airforce.com

National AFROTC Website: www.afrotc.com

AMERICAN COLLEGIATE ENGLISH (ACE)

The American Collegiate English (ACE) program is a non-credit intensive intermediate-level English program for international students. International students who do not have the 450 (Institutional) / 45 (iBT) TOEFL score required for Grossmont College admission may apply for ACE. Students who complete an ACE session and fulfill the academic requirements in their coursework are eligible to transfer to Grossmont College without a TOEFL score. Two 14-week sessions (Fall and Spring) and an 8-week Summer session are offered. Applications and more information are available at www.grossmont.edu/ace or the ACE Office.

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

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. In addition to these pre-transfer level courses, both departments offer support course (English 020, Math 020, Math 060, Math 075, Math 076 and Math 078), which are linked to a transfer level course (e.g. English 120, Math 120, Math 175, Math 176 and Math 178 respectively). These support courses are specifically designed to support your transition to college as well as to provide extra support and instruction for the transfer level course. We also can help you make career decisions in our Personal Development-Counseling courses. In addition, the English Writing Center (EWC) 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 brochures 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

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

The Cross-Cultural Studies Program has courses in Chicano/Latino/Border Studies and African-American, Native-American, and Women's Studies. All are transferable and count toward GE; tag transfer agreements (CSU) allow students to complete the lower-division requirements for a major or minor in the above disciplines. Certificate of Proficiency for CCS 115 (Cross-Cultural Competence) proves proficiency in working and communicating in a diverse society.

EVENING, SATURDAY AND OFF-CAMPUS CLASSES

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

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

INTERNATIONAL EDUCATION STUDY ABROAD PROGRAMS

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

Semester Programs

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

Summer Programs

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

Program Format

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

Costs vary according to location and length of stay. Scholarships, grants, loans and other financial aid options are available for students who qualify. Please contact the Financial Aid Office for more information at 619-644-7129.

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

NEW HORIZONS

This Perkins funded program provides services to qualified students enrolled in vocational programs at Grossmont College. Services offered are specialized counseling, referrals, and coordination with other campus services. Our goal is to help individuals improve the quality of their lives and attain family economic self-sufficiency through education. You may qualify by one or more of the following if you are: A single parent; A displaced homemaker; A single pregnant woman; Low-Income Individual (qualify for fee waiver); an academically under prepared student enrolled in a vocational major leading to a certificate, associate degree OR skills upgrade. (To determine what is a vocational major and the possibility of other support services contact our staff.) The New Horizons Office is located in Room. 60-125, telephone (619) 644-7552, or visit our web site at <http://www.grossmont.edu/calworks>.

NEXTUP FORMERLY, COOPERATING AGENCIES FOSTER YOUTH EDUCATIONAL SUPPORT (NEXTUP)

NextUP is a supplemental component of the existing Extended Opportunity Programs and Services (EOPS) program. The purpose of the Grossmont College **NextUP** Program is to provide comprehensive support services tailored to current or former foster youth.

NextUP Services include::

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

NextUP Eligibility:

- A current or former foster youth in California whose dependency was established or continued by the court on or after the youth's **16th** birthday
*Must provide **ONE** of the following documents to verify foster dependency status.
- Verification in writing from the county child welfare agency or
- Verification in writing from county independent living program or
- Verification in writing from the county probation agency or
- Verification in writing (form) from the California Department of Social Services Foster Care Ombudsman

In addition to the above, you also must meet the criteria below:

- Not older than 25 years of age at the commencement of any academic year in which you participate in **NextUP**
- EOPS Eligible
 - o **NextUP** student may be enrolled in 9 units at the time of acceptance
- A.R.C. students may enroll in less units per semester with verification from A.R.C.

The **NextUP** Office is located in 60-125. For more information call (619)-644-3609.

OFFICE PROFESSIONAL TRAINING PROGRAM

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

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

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

Program offered every fall and spring semester. Contact the OPT office at 619-644-7247 for information.

PROJECT SUCCESS

The Project Success Learning Communities Program is designed to create a supportive and collaborative learning environment, in which students and teachers work together to improve learning. It is coordinated by the Grossmont College English Department. A learning community consists of groups, or "cohorts," of students enrolled together in two or more courses that are intentionally designed to work together to enhance collaborative, integrative learning and critical thinking.

In any given semester, students may have the option of enrolling in an interdisciplinary link consisting of a transfer-level English Course (English 120 or English 120 linked to English 020) and a General Education course in one or more departments such as: Sociology, History, Cross Cultural Studies, Communication, Counseling or Math. See the course schedule for specific linked courses.

SCHEDULE OF CLASSES

Grossmont College publishes an online schedule of classes for 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>

ADULT RE-ENTRY

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

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

ACCESSIBILITY RESOURCE CENTER (A.R.C.)

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

Support Services

Specialized Services

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

Assistive Technology

- Assistive computer hardware
- Assistive computer software
- Voice recognition
- Computer assisted learning software
- Word processing and internet access
- Scanning/reading software
- Enlarged print materials
- "Listen" amplification device (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:

Adapted Physical Education:

- ES 001 – Adapted Physical Exercise
- ES 002 – Advanced Adapted Physical Exercise
- ES 003 – Adapted Aerobic Fitness
- ES 029 – Adapted Yoga
- ES 030 – Adapted Aquatic Sports Education
- ES 035 – Adapted Swimming
- ES 041 – Adapted Water Aerobics

Personal Development-Special Services:

- PDSS 080 – Educational Assessment and Prescriptive Planning
- PDSS 092 – Math Strategies for Students with Disabilities
- PDSS 095 – Study Strategies for Students with Disabilities
- PDSS 097 – Basic Writing for Students with Disabilities
- PDSS 098 – Writing Fundamentals for Students with Disabilities

Accessibility Resource Center (A.R.C.)
 Building 60-120
 8800 Grossmont College Drive
 El Cajon, Ca 92020-1799
 Phone: 619-644-7112
 Fax: 619-644-7980
 Video Phone: 619-567-7712 or 877-561-8975

ASSOCIATED STUDENTS OF GROSSMONT COLLEGE

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

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

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

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

Funding

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

Benefit Sticker

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

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

Student Representation Fee

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

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

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

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

ATHLETICS: INTERCOLLEGIATE

For all intercollegiate sports with the exception of football, the Grossmont College Griffins compete in the Pacific Coast Athletic Conference which consists of the following colleges: Cuyamaca, Imperial Valley, Mira Costa, Miramar, Palomar, San Diego City, San Diego Mesa and Southwestern. Grossmont College Griffins football team competes in the American Division of the California Community College Athletic Association (CCCAA).

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

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

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

BOOKSTORE

Mission Statement:

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

1. RENT AND SAVE OVER 50%.

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

2. DOWNLOAD eBOOKS and SAVE UP TO 60%.

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

3. BUY NEW AND GET UP TO 50% CASH BACK.

New textbooks are yours to keep, and so is the cash back at the end of term if you sell them back to us during FINALS week. REDUCE, REUSE, AND SAVE.

4. BUY USED AND SAVE OVER 25%.

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

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

CALWORKS

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

CAREER RESOURCE CENTER

The Grossmont College Career Resource Center provides an on-campus site for students to explore and pursue their career goals. Assistance includes career assessment, featuring interactive computer software programs: CAREER COACH AND MYERS-BRIGGS TYPE INDICATOR (MBTI), STRONG and CAREER CRUISING and web sites. The Career/Job Search Library contains an extensive range of the most current occupational and educational resources.

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

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

CLUBS AND ORGANIZATIONS

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

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

Information concerning organizational procedures may be obtained in the ASGC Office Building 60, Room 110 or the Office of Student Affairs in Building 60, Room 204, or online at <http://www.grossmont.edu/clubs> or <http://www.asgcinc.org>.

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

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

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

Inter-Club Council

The Inter-Club Council, or ICC for short, is an organization of registered student clubs. ICC is composed of a representative, elected or appointed, from each of the actively registered student clubs and organizations on campus.

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

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

- Be controlled and directed by actively enrolled Grossmont College students.
- Comply with all applicable Federal, State, and Local laws, as well as District and College policies.
- Abide by Federal, State, Local, District and College non-discrimination laws and policies.

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

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

Complete information concerning organizational procedures may be obtained in the ASGC Office Building 60, Room 110 or the Office of Student Affairs in Building 60, Room 204, or online at <http://www.grossmont.edu/clubs> or <http://www.asgcinc.org>.

COUNSELING

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

- Assisting students in developing a semester by semester Comprehensive Education Plan to help them achieve their educational goals;
- Providing New Student Advising sessions to familiarize students with college services and terminology for a successful semester. Students receive an abbreviated education plan to assist them in planning their class schedule;
- Supporting international students by offering an international student orientation and advising sessions;
- Providing online counseling services; and
- Assisting with identification of transfer options and course requirements for four-year universities.

DREAM CENTER

Dream Center Mission:

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

Dream Center Support Services

- Career/Academic/Personal Counseling
- Education Planning
- Dream Act Application Assistance

- Financial Aid Assistance (i.e. Book Vouchers, gas cards, bus passes, meal cards)
- Community Resources Liaison and Referrals
- Referrals to other Student Services programs

Dream Center Counselors: Katherine Vilchez and Noel Puga
The Dream Center is located in Bldg. 60 Room 125, phone number: 619-644-1733.

EXTENDED OPPORTUNITY PROGRAMS AND SERVICES (EOPS)

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

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

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

FINANCIAL AID

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

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

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

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

All policies and procedures regarding Grossmont College Financial Aid can be found at 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 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 2020, that means you must be enrolled and attending classes until **October 28, 2020** to be eligible for all the financial aid you received. If you drop **all** of your classes before **October 28, 2020**, you may be billed for a portion of the Pell Grant and/or SEOG grant that you received in the fall. For spring 2021, that means you must be enrolled and attending classes until **April 21, 2021** to be eligible for all the financial aid you received. If you drop **all** of your classes before **April 21, 2021**, you may be billed for a portion of the Pell Grant, Direct Loan, and/or SEOG grant that you received in the spring.

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

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

Standard Student Budgets 2020–2021

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	\$1,750	\$1,750
Fees	1,332	1,332
Food & Housing	6,500	14,000
Personal Expenses	3,000	3,300
Transportation	<u>1,200</u>	<u>1,200</u>
	\$13,782	\$21,582

Pell Grants

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

California College Promise Grant

This is a state program that waives the enrollment fee and the health fee for students who are residents of California (or are eligible under AB 540 or AB 1899) and have financial need. Students will be considered for a California College Promise Grant as part of the financial aid application process or may apply separately online via www.grossmont.edu/FA/feewaivers if they receive TANF (AFDC), SSI, GR or have a low family income. **Please note that refunds are not retroactive to a prior semester.**

Minimum requirements for maximum success.

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

Academic – Sustain a GPA of 2.0 or higher

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

Progress – Complete at least 50% of your coursework

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

Combination of Academic and Progress Standards

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

How to regain eligibility.

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

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

The appeals process for extenuating circumstances may include:

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

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

Cal Grants

Cal Grants are grants administered by the California Student Aid Commission. There are two types of grants - Cal Grant B and Cal Grant C. Cal Grant B provides funds for living expenses and is targeted to low income students. Cal Grant C provides funds for books and supplies for those students enrolled in a vocational program. To be eligible to apply for either of these grants, students must be residents of California and have filed a FAFSA and a GPA Verification form by March 2, 2020, and September 2, 2020 (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 <http://www.irs.gov/publications/p970/ch03.html>

GRIFFIN CENTER

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

The Griffin Center also houses the offices and boardroom of the Associated Students of Grossmont College, the Culinary Arts Program, Health and Wellness Center, Extended Opportunity Programs and Services (EOPS), Student Affairs, Career Resource Center and Job Placement, Adult Re-Entry, Accessibility Resource Center (A.R.C.), and Griffin Gate a multi-purpose room in which the GCCCD Governing Board hosts bi-monthly meetings.

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

The building was renovated using sustainable materials

and energy-conservation measures and is among the first Leadership in Energy and Environmental Design (LEED) certified projects in the Grossmont-Cuyamaca Community College District.

HEALTH AND WELLNESS CENTER

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

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

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

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

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

HOUSING

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

MILITARY INFORMATION

Specific information regarding the Armed Forces and veteran's benefits may be obtained in the Veterans Affairs Office. For additional veteran information see page 20.

RULES AND REGULATIONS

Appropriate statements regarding rules and regulations concerning student conduct, rules, privileges, limits of actions, expectancies and restrictions are kept in the Student Affairs Office and are made available to any student who wishes a copy. These rules and regulations are issued in accordance with legal requirements of notification.

SERVICE ANIMALS AND OTHER ANIMALS ON DISTRICT PROPERTY

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

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

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

SMOKING REGULATIONS

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

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

SPECIAL EVENTS

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

OFFICE OF STUDENT AFFAIRS

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

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

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

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

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

STUDENT IDENTIFICATION CARD

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

STUDENT EMPLOYMENT SERVICES

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

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

SUBSTANCE ABUSE POLICY

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

SUCCESS COACHES

The Success Coaches are located on the second floor of the Tech Mall in the Learning and Technology Resource Center (Building 70, Rooms 205 and 206). Success Coaches assist currently enrolled Grossmont College Students who may be facing difficulties in reaching their educational goals by helping them connect with and navigate appropriate resources, available on campus and in the community. Students are encouraged to meet with a Success Coach if they feel as though they could use additional support or are not certain who to reach out to on campus for help. Visit www.grossmont.edu/gradcoach for more information or send the Success Coaches an email at Grossmont.gradcoach@gcccd.edu.

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.

TRANSFER CENTER

The 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 Transfer Center contains resources such as current college catalogs, 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 throughout the semester 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.

Study rooms, individual and group tutoring appointments are available during the day and evenings. Online tutoring is available at all times of the day, 7 days a week by visiting the website www.NefTutor.com. 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 Tutoring Center is committed to providing a learning environment, promotes diversity, equity and inclusion to students from diverse backgrounds and abilities.

CAMPUS SAFETY

POLICE SERVICES at the District are provided by the San Diego County Sheriff's Department. A sheriff's sergeant and seven deputies are assigned to the Grossmont and Cuyamaca college campuses. If necessary, the District also has access to Sheriff's Department specialized units that investigate crimes such as illegal drug sales, auto theft or gang-related crime.

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

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

PUBLIC SAFETY CONTACT INFORMATION

Call 911 in an emergency

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

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

- Crime report
- Suspected suspicious activity

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

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

Additional public safety information is available at our home page: www.gcccd.edu/public-safety

Parking & Traffic Regulations

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

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

Displaying Parking Permit on Campus

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

Student Parking Permits

Student parking permits are purchased through 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 Parking Permits

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

Grossmont: Building 57

Cuyamaca: Building A100

Vendor Parking Permits

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

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, 7, (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.

Disabled Parking Permits

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

As of January 1, 2017 students, visitors, faculty, or staff members who legally possess a current California Disabled Placard, which must be displayed, are required to purchase a parking permit.

Special Events Parking

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

Replacement for Lost or Stolen Permits

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

Motorcycle Parking

As of January 1, 2017 motorcycles, scooters, segways, and mopeds MUST BE PARKED in designated motorcycle areas with a valid motorcycle permit. Motorcycle permits must be purchased at the Cashier's Window with cash or credit card.

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

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

Parking Citation**Fines**

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

Payments

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

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

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

Appeal Forms

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

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

ADDITIONAL SERVICES**ATM Location**

Grossmont College: Outside the Tech Mall.

Lost & Found

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

DIVISIONS OF THE COLLEGE**ALLIED HEALTH AND NURSING****Nancy Saks, DNSc**

Senior Dean - Allied Health and Nursing

Nursing**Gabi Aliyev**

Interim Associate Dean of Nursing

Program Coordinators**Liz Barrow**

Cardiovascular Technology

Telemetry/ ECG

Liz Barrow, Amanda Clay

Orthopedic Technology

Christi Vicino

Occupational Therapy Assistant

Peggy Wells

Respiratory Therapy

Anesthesia Technology

HEALTH PROFESSIONS**Cardiovascular Technology****Faculty:**

Barrow, Farmer, Rosen

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 13 for further details.

Telemetry Technician/ ECG

ECG/ Telemetry technicians are allied health professionals who operate electrocardiograph machines to provide physicians with data for diagnosis and treatment of heart ailments. Telemetry Technicians are employed in hospitals, clinics, and private practice offices.

The beginning ECG/Telemetry course trains students to record basic electrocardiograms and recognize abnormalities. ECG/ Telemetry Technicians may also be required to perform pacemaker evaluation, cardiac stress-testing, Holter monitoring, and telemetry arrhythmia monitoring. The advanced telemetry courses include the theory and techniques necessary to perform these duties.

Nursing**Faculty:**

Aliyev, Babini, Brooks, Dyal, Falsetta, Harrison, Maloy, Morris, Ngo-Bigge, Shadroff

Nursing is a profession whose focus is the diagnosis and treatment of human responses to actual and potential health problems. The Nursing Program prepares 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 Accreditation Commission for Education in Nursing. See page 15 for further details.

Occupational Therapy Assistant**Faculty:**

Fries, Vicino

The Occupational Therapy Assistant is a health care professional who works in collaboration with a registered occupational therapist to improve functional performance in daily living activities with people who are limited by physical injury or illness, mental health problems, developmental or learning disabilities or the aging process. Treatment goals are accomplished through the use of therapeutic occupations including: manual and creative arts, daily living tasks, exercises, play/leisure activities and simulated work tasks. The Occupational Therapy Assistant Program prepares 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 20814-3449, phone number (301) 652-6611. See page 16 for further details.

Orthopedic Technology**Faculty:**

Clay, Duke, Rice

Training as an Orthopedic Technologist offers lifetime professional skills in an expanding allied health field. This program is designed to prepare graduates to perform the application, adjustment and removal of casts, splints and braces; set up and maintain all traction configurations; assist in the care of the acutely injured orthopedic patient, including wound dressings; and to assist the physician in the reduction and/or manipulation of orthopedic injuries.

Most Orthopedic Technologists are employed in either hospitals, clinics, or private practice offices. See page 16 for program admission requirements.

Respiratory Therapy**Faculty:****Flores, 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 17 for further details.

Anesthesia Technology Program

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**Joel Castellaw**
Interim Dean**Department Chairpersons****Jennifer Carmean/Jamie Shatwell**
American Sign Language**TBD**
Communication**Dave Mullen**
Dance**Jeanette Calo**
Media Communications**Derek Cannon**
Music**Brian Rickel**
Theatre Arts**Marion DeKoning**
Visual Arts & Humanities**Paul Vincent, Sonia Ghattas-Soliman**
World Languages:
Arabic, Chinese, French, German, Italian,
Japanese, Russian, Spanish

The Division of Arts, Languages and Communications provides courses of study in the fine and performing arts, including studio arts, art history, dance, digital media, humanities, music, photography, and theater. Courses of study in communication include speech communication, forensics debate, media communications, American Sign Language and world languages. Courses and programs are designed to meet the needs of those seeking a degree in these fields, seeking transfer to a university, or for those seeking general education or desiring to develop creative skills.

American Sign Language**Faculty:****Carmean, Shatwell**

The American Sign Language program offers students the opportunity to learn about the history of the language and aspects of Deaf Culture while developing skills in ASL use.

Communication**Faculty:****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:
Mullen

Dance is the language of movement, which serves as a means of communication and expression basic to all individuals.

The dance department offers a diverse selection of movement styles and dance genres. Emphasis is placed upon proper alignment, kinesthetic movement principles, and theory to support a variety of dance forms.

Opportunities are provided for all interested persons to develop their dance skills and movement potential. Courses are designed to fill the general need and will also allow for intensive study in a particular area.

The Associate Degree in Dance program is designed to provide training for transfer to similar programs at four-year institutions and will prepare the student for employment in a variety of areas of dance. The department also offers a Certificate of Achievement in Dance. Biannual faculty and student choreographed dance concerts provide students choreography and performance opportunities. The dance curriculum includes courses in ballet, modern dance, jazz, tap, hip hop, musical theater dance, choreography, improvisation, pointe, Pilates, dance history, and dance theater performance.

Students who plan to pursue a dance major should confer with the department chair.

Media Communications

Faculty:
Ahearn, Calo, Scott, Wirig

The area of Media Communications includes interactive 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, and digital media production companies, or transfer to four-year universities.

Journalism courses are designed to make students aware of the impact of the news media on their lives, and to develop competency in the numerous skills demanded of today's journalists. Students enrolled in the lab 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 news website and monthly news magazine. They also develop and record newscasts.

Music

Faculty:
Benedetti, Cannon, Grinnell, Tweed

The two-year major in music will prepare a student for transfer to a four-year institution for completion of an elementary or secondary teaching credential; a major in jazz, music history, theory or composition; or an applied music degree. In addition, the music staff welcomes all persons interested in continuing their development of skills and appreciation of music by enrolling in any of the technical or performance classes.

The music curriculum of the college includes courses in harmony, counterpoint, ear-training, keyboard, sight-singing, and music appreciation. Class study is offered in voice, piano, classical guitar, strings, brass, woodwind and percussion. Performing groups include Symphony Orchestra, Concert Band, Jazz Ensemble, Guitar Ensemble, Master Chorale, Vocal Jazz Ensemble, String Orchestra, Middle Eastern Ensemble and Afro-Cuban Ensemble.

The performing organizations provide a variety of programs for student and community interest. The student recitals and annual Winter and Spring Concerts offer cultural opportunities to both performers and audiences.

Students who plan to follow a music major course should contact the Music Department office before or during registration in order that prerequisites and placement obligations are clearly understood. Music majors are expected to participate in at least one performing group each semester.

Theatre Arts

Faculty:
Banville, Everett, Rickel

The Grossmont College Theatre Arts Department provides a professional environment for holistic theatrical training. Our curriculum strives to provide the essential lower division courses needed to transfer to four-year institutions along with the skills for immediate employment in the entertainment industry. With a focus on equity, inclusion and outreach we prepare our diverse student population to strive for artistic and academic excellence. General Education classes also offered in the areas of Theatre Appreciation and Costume History, as well as Narrative Theory. Specialized performance areas include: Voice and Movement for the Stage, Acting for the Camera, and Musical Theatre. Several different avenues are available for student involvement in productions including on-site productions, touring/off-site productions, and summer productions. No theatre student is completely equipped without at least a passing knowledge of the total requirements of all the areas necessary to produce and present stage productions. Those interested in pursuing an Associate Degree are encouraged to contact the Theatre Arts Department for clarification on prerequisites and course offerings.

Visual Arts & Humanities

Faculty:

Art History – de Koning, Molina

Ceramics – Garcia

Humanities – Davies-Morris, Mapes

Painting and Drawing – Bennett

Photography – Turounet

Sculpture/Jewelry – TBA

Art History explores the creative production of cultures and individuals from the ancient world to contemporary times. Works of art and monuments are studied with regard to their historical context – religion, culture, politics, and technology with the goal of understanding and distinguishing characteristics of style belonging to art historical periods, artists, works of art, and media.

Ceramics 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 Art is an evolving medium that fuses traditional concepts of composition and art making with newer digital methodologies. Using significant technologies and image making processes, Digital Art students explore a wide range of digital tools and compositional devices to learn how to employ computers to produce powerful images and animations.

Drawing 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 the human condition, with particular focus on the liberal arts (e.g., literature, art and art history, philosophy, religion, music, architecture, anthropology and archaeology, theory, etc.). Humanities attempts to discover and make sense of the world through interdisciplinary and chronological viewpoints.

Photography 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/Jewelry includes 3-D design, jewelry design, and sculpture courses emphasizing study in the various physical methods and conceptual theories used to produce three-dimensional art. Sculpture students explore a wide range of media in both an historical and contemporary viewpoint, ranging from traditional object-making to art in a public context.

World Languages

Faculty:

Crespo, Ghattas-Soliman, Ireiqat, Navarro, Vincent, Young

In a world that is increasingly interdependent, we can no longer afford to remain monolingual. Success depends in large measure on the ability of an individual to function as a member of a global village whose members speak a variety of languages. Learning foreign languages is no longer a pastime: it is a necessity. How does learning a foreign language help you to meet today's challenges?

The Study of a Foreign Language

- helps you to expand your view of the world
- encourages critical reflection on the relation between language and culture, language and thought
- expands your opportunities for meaningful leisure activities (such as travel, viewing foreign language films, watching foreign TV programs)
- develops your intellect (encouraging good learning habits, memorization, combining course content and skills in a meaningful way)
- improves knowledge of the native language (through comparison and contrast with the foreign language)
- exposes you to modes of thought and viewpoints that are available only in the foreign language and its culture
- helps to build practical skills that may be used in other disciplines
- fosters your understanding of the interrelation between language and human nature
- teaches and encourages respect for other ethnic groups
- contributes to the development of your personality
- contributes to the achievement of national goals, such as economic development or national security

At Grossmont College, world languages are presented as a major for the specialist, as a required introduction for the transfer student, and as a source of personal development for the student seeking general education.

Language learning is presented in the sequence of listening, speaking, reading and writing, yet never losing sight of the cultural aspects. While developing oral skills, the student gains background in reading and writing and related cultural aspects adequate to successfully continue his/her language studies elsewhere and to apply his/her language skills in practical situations.

Ordinarily, the student with two years of high school language will enroll in level two in college; three years of high school language, level three; and with four years of high school language in level four.

There is a prerequisite exam that may be taken at the Assessment Center (Bldg 10-Room 172) for the student who does not know their level or does not have transcripts or documentation.

CAREER AND TECHNICAL EDUCATION/WORKFORCE DEVELOPMENT

Javier Ayala, Ph.D.

Dean

Department Chairperson

Brian Keliher

Business Administration

Program Coordinator

Tina Young

Administration of Justice

Donna Dixon, Mark Pressnall,

Sosha Thomas

Business Office Technology

Angie Gish, Robin Sepulveda

Child Development, Education and
Family Studies

Clif Quinn

Computer Science Information Systems

James Foran

Culinary Arts

Eva Nicasio Mercier

Hospitality & 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:

Menck, Sampson, Stewart, Young

Administration of Justice (AOJ) Department, also known as Public Safety and Security Programs, offers a variety of degrees, certificates, and courses. The program includes four major Areas of Emphasis: Law Enforcement, Corrections, Forensic Technology, and Security Management. An Associate of Science-Transfer Degree is also available which provides priority registration to SDSU & CSU Criminal Justice degree majors. In addition to the areas of emphasis, the department presents a Police Academy, a Security Academy, a Corrections Academy, Public Safety Dispatch and in-service training. All programs are designed for career-oriented students or transfer to four-year institutions. For detailed information, view the AOJ website at www.grossmont.edu/aoj.

Business

Business education is among the largest and most popular fields of study. In many of the programs, community business leaders work cooperatively with the college staff to provide an on-site educational experience. Grossmont's programs are divided into the following three areas:

Business - Administration

Faculty:

Barendse, Hern, Keliher

Business Administration is the program intended for those students planning to transfer to a four-year college in any business area.

Business Office Technology

Faculty:

Dixon, Pressnall, Thomas

This program prepares students for employment in today's technology intensive offices. Students complete courses for either the Administrative Assistant or Executive Assistant major. Computer training is emphasized and is offered 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 including Medical Office Assistant which provides students the necessary skills to gain employment in a variety of medical office environments. Students successfully completing the certificate will be qualified to seek employment as: Medical office receptionists, hospital admitting clerks, medical insurance billers, to name a few.

Hospitality & Tourism Management, Insurance, International Business, Management, Marketing, Retail Management

Faculty:

Nicasio Mercier

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:

Gish, Sepulveda, Soltero

Child Development, Education and Family Studies offer a range of courses for family and life management, parenting, lifelong learning and opportunities for employment in the field of Early Childhood Education and related areas. Several courses in Child Development, Education and Family Studies can be used to fulfill general education requirements and most are transferable to four-year colleges and universities.

The Child Development program is designed for persons seeking employment in the child development field as teachers, directors, and owners of preschools and child care centers including infant/toddler programs. Courses meet requirements for Community Care Licensing and the California Commission on Teacher Credentialing Child Development Permits. We operate an on-campus child care program providing care for children of students and employees of Grossmont College and serving as a lab school for students who are enrolled in child development courses.

The Education Department serves to facilitate those seeking careers in teaching. Course offerings augment the general education program required for transfer to a four year institution.

Family Studies offers courses designed to help individuals manage their lives more effectively. Family Studies addresses contemporary issues such as changing family styles, time and stress management, development throughout 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, Gillespie, Hotz, Nguyen, 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, web design, and Local Area Network support specialist. Expanding opportunities in computer and information science make these programs increasingly popular.

Culinary Arts

Faculty:

Baker, Foran, Rossi

This program prepares students for employment in today's food service/hospitality industry. Students may earn either a Certificate of Achievement, a Culinary Arts degree or a Pastry Arts degree. Graduates of the program enter an industry filled with expanding opportunities as executive chefs, banquet chefs, restaurant chefs, personal chefs, pastry chefs, caterers, kitchen and restaurant managers, line cooks, prep cooks, banquet cooks and also as owners of their own food service operation. The program is composed of on-campus lecture and lab courses. Some coursework is transferable to four-year institutions.

COUNSELING

Martha Clavelle

Dean

Department Chairperson

Gary Johnson

Counseling

Division of Counseling includes: General Counseling, Career Center, Transfer Center, EOPS/CARE/CalWORKS, Dream Center, Accessibility Resource Center (A.R.C.), International Students, and Veteran Center. These programs are fully described in the Student Services section of this catalog or online at www.grossmont.edu/counseling.

Counseling

Faculty:

Aceves, Allen, Canady, Cruzado, Corona-Batalona, Cuevas, Decker, Dillon, Heidari, Hellon, Johnson, Lim, Macias, Martinez, Moore, Morente, Patnaik, Ray, Tajii, To, Toral, 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

Tate Hurvitz, Cindi Harris

English

Sara Ferguson

English as a Second Language

Angela Feres

History

June Yang

Philosophy, Religious Studies

Shahrokh Shahrokh

Political Economy:

Economics, Political Science

Program Coordinator

Raymundo Quezada

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:****Braff, Yoshida-Levine**

Anthropology is the study of all aspects of the human species, spanning the time from the earliest human ancestors to contemporary societies. In seeking to understand human diversity anthropologists take an extremely broad approach, emphasizing both biological and cultural aspects of humanity. Anthropology is traditionally organized into four subfields: cultural anthropology, physical anthropology, archaeology, and linguistic anthropology.

Coursework in anthropology is a valuable component of a liberal arts education. Students of anthropology learn to develop a broad perspective on humanity, apply scientific research methods, and work effectively in a multicultural environment. These competencies can help students succeed in a global society.

Cross-Cultural Studies**Faculty:****Harpin, Quezada**

The Cross-Cultural Studies Program has courses in Chicano/Latino/Border Studies and African-American, Native-American, and Women's Studies. All are transferable and count toward GE; tag transfer agreements (CSU) allow students to complete the lower-division requirements for a major or minor in the above disciplines. Certificate of Proficiency for CCS 115 (Cross-Cultural Competence) proves proficiency in working and communicating in a diverse society.

Economics**Faculty:****McGann, Myers, Shahrokhi**

Economics students study the major types of economic systems in the world, the ways economic/political decisions are made, and the outcomes of those decisions.

English**Faculty:****Ahrens, Balasubramanian, Bellinghiere, Brown, Cardenas, Cervantes, Crooks, Deutsch, Griffith, Harris, Hurvitz, Jendian, Ledri-Aguilar, Martin, Miller, Nolen, Schmitt, Sherlock, Sow, Traylor**

The study of English engages the student both as reader and as writer. As reader, the student explores the traditions of literary form and thought characteristic of western and other world civilizations. As writer, the student practices methods of imposing order on ideas and expressing those ideas in an effective manner. Although a literature course emphasizes literary excellence in the works of others and a composition course concentrates on the student's writing skills, both encompass the entire communication process. Thus the student of English learns to appreciate not only the historical evolution of literary art but also the interrelationship of process, form, and content in composition, thereby becoming both a more perceptive reader and a more proficient writer.

English as a Second Language**Faculty:****Aylett, Carroll, Ferguson, Poupard**

The goal of English as a Second Language (ESL) instruction is to help students succeed in college and at work. To meet the needs of individual students, courses are offered at five proficiency levels, and all language skills are taught: listening, speaking, reading, writing, and grammar. Orientation to American culture is integrated into the courses. ESL placement assessment sessions are provided so students know at which level to begin the program.

History**Faculty:****Bell, Contreras, Ennis, Feres, Henry**

History is the study of the documented past to acquire understanding into the world's institutions, ideas, values and creations. The study of history constitutes all aspects of human endeavor including the arts, sciences, technology, economics, politics, war, ideology, culture and society. History also examines the diverse contributions of all gender, socio-economic, racial, ethnic and regional groups in shaping the drama and dynamism of the human experience. From the analysis of historical evidence, students develop the oral, written and critical thinking skills to interpret and communicate the deeper meanings of historical events and people. Studying history also provides the appropriate context for students to grasp the major issues, challenges and conflicts of our present time. This enables more informed debate and discourse in today's world.

Philosophy and Religious Studies**Faculty:****Burke, Yang**

Philosophy is the study of knowledge, reality, human values, and logic. In our times, there is a renewed urgency to separate truth from distortion, establish moral truths, and assess proper reasoning. Philosophy strives to meet these needs. Students of philosophy excel at critical thinking, and at critiquing and improving world views and theories within many disciplines. Additionally, philosophy students are well-equipped to enter various careers, as well as graduate school, especially in law and medicine.

Our Religious Studies courses cover Buddhism, Hinduism, Confucianism, Islam, Christianity and Judaism. Additionally, we cater our courses and course availability to student demand. We offer Introduction to the New Testament and expanded course offerings as our enrollment has increased. This subject area assists students to appreciate religion as the powerful force of culture that it is. Additionally, our courses offer invaluable theoretical tools for assessing the ideas of an age witnessing the resurgence of religion and spiritualism.

Political Science**Faculty:****Braunwarth, Crespo, Myers**

Political Science courses are designed to help the student understand the political environment in which we live, the political processes for decision making, THE VITAL PARTICIPATORY ROLE OF CITIZENS IN OUR DEMOCRATIC POLITICAL SYSTEM, and the great political issues of our day.

Psychology**Faculty:****Bacon, Chafin-Arenz, Pak, Ramos, Thukral**

As the science of behavior and mental processes, psychology is an academic discipline that emphasizes the study of the individual organism. Standing at the interface between the biological sciences and the social sciences, psychology seeks to investigate such topics as brain and neural functioning, development throughout the life span, sexuality, learning, perception, states of consciousness, memory, cognitive processes, motivation, emotion, personality, abnormal behavior, psychotherapy, and the effects of the group on the individual.

Sociology**Faculty:****Arreola, Cardona, Robinson, Soto**

Sociology is the scientific study of human societies and of the behavior in the groups that make up a society. It offers perspectives, tools, data, and concepts that enable the student to creatively, thoughtfully, and systematically investigate the social environment.

LEARNING AND TECHNOLOGY RESOURCES**Eric Klein, Ph.D.**

Dean

Department Chairperson**Library****Julie Middlemas****Faculty:****Farina-Hess, Kalker, Middlemas, Owens**

Library, Media Desk, Video Viewing, Interlibrary Loan (ILL), Distance Education, Instructional Media Services, Learning Assistance Centers, Tutoring Center, Success Coaches, and Instructional Computing Services

The Learning and Technology Resource Center is building 70 and is located in the middle of campus. (See map on the inside of the back cover.) The Center provides a broad range of services that are constantly adapting to students' changing educational needs and learning styles as well as advances in technology.

The **Library** occupies the north end of the building (enter from Library entrance). Designed as a study environment, it provides easy access to instructional materials along with multiple study carrels, tables, group study rooms, computer stations, lounge chairs, and a copy center. The Library collections are both print and electronic and provide access to over 100,000 books, periodicals, databases, DVDs and streaming media. The library resources are available on and off campus via the library homepage at www.grossmont.edu/library.

Librarians provide a variety of information services. At the reference desk located on the 1st floor, librarians guide students in selecting the best resources, and assist students in developing research strategies for papers and reports. The librarians' aim is to help students become more confident and self-sufficient in their use of information resources. Library Instruction is provided in the Library Instruction Lab (LIL; Room 267) at instructor's request or via an online tutorial in Canvas. The library also offers information literacy courses.

The 2nd floor of the library provides students and faculty with access to individual viewing carrels and audio/visual equipment. Laptop computers and group study rooms are also available.

Success Coaches are located on the second floor of the Tech Mall in the Learning and Technology Resource Center (Building 70, Rooms 205 and 206). Success Coaches assist students who may be facing difficulties in reaching their educational goals by helping them connect with and navigate appropriate resources. Visit www.grossmont.edu/gradcoach for more information.

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 laptop computers and group study rooms.

Interlibrary Loan (ILL) services include access to books, and articles from colleges and universities throughout the country.

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 at the Online Success website that helps 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, Canvas.

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 Center. 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 Tech Mall. Staff includes 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 Tech Mall in Room 70-112. The MSC is a part of the math department and provides walk-in, individual, group, and computer-aided tutoring for all levels of Math.

Open Computer Lab (OCL) is located on the 1st floor of the Tech Mall and occupies the center of the south side of the building. This is the only general use computer lab on campus and supports a number of programs. There are approximately 175 PCs available for students to access word processing applications, subject-specific software, database applications, and computer-aided instructional applications. Printing and scanning are also available.

Tutoring Center is located on the 2nd floor of the Tech Mall and provides group and one-on-one tutoring for all subjects. Tutoring is by appointment only. Study rooms are also available for group tutoring.

MATHEMATICS, NATURAL SCIENCES, EXERCISE SCIENCE AND WELLNESS

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Interim Dean

Department Chairpersons

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Biological Sciences

Diana Vance
Chemistry, Science

Tim Cliffe
Earth Sciences:
Geography, Geology, Oceanography

Randy Abshier, Jim Symington
Exercise Science and Wellness

Steve Davis, Shawn Hicks
Mathematics

Brian Carter
Physical Sciences:
Astronomy, Physical Science, Physics

Program Coordinator

Cheryl Kerns-Campbell
Health Education/Nutrition

The Division of Mathematics, Natural Sciences, and Exercise Science and Wellness includes Astronomy, Biological Sciences, Chemistry, Exercise Science, Geography, Geology, Health Education, Mathematics, Oceanography, Physical Science, Physics, and the philosophy of Science. Some courses satisfy general education requirements at Grossmont College and at four-year colleges and universities. In addition, the courses offered fulfill lower division requirements for a variety of majors.

Astronomy, Physical Science, Physics

Faculty:

Blanco, Carter, Cormier, Fitzgerald

The Department of Astronomy, Physical Science, and Physics offers classes suited for a general education in science and for career preparation in math, science, medicine and engineering. Fundamental physical principles are discussed and applied to the universe around us.

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. Physical Science 120 prepares students to perform scientific computation in industry and research.

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, Holden, Miles, 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 (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, Joshi, Larter, Lehman, 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, Nutrition

Faculty:

Abshier, Arnold, Aylward, Caires, Ivers, Jordan, Kelley, Kerns-Campbell, Larsen, Stevens, Weber

The Exercise Science and Wellness, Health Education, and Nutrition Department provides a comprehensive, evidence-based approach to optimizing health and preventing chronic disease through diet, physical activity and health-promoting behavior. The department offers a multidisciplinary curriculum centered on the concept that movement skills, intellectual development, physical fitness, healthful living, and dietary practices are elements of life that must be taught and reinforced.

Courses in Exercise Science explore how physical activity impacts skill acquisition, disease prevention, fitness, and sport. These courses emphasize knowledge, skills, and practice techniques that enable students to improve their physical fitness through sequential progressions in the learning process.

Health Education curriculum is approached within two main categories- Personal health and public health. Personal health course topics include exercise, nutrition, stress management, substance abuse, reproductive health and disease prevention. Public health discipline focuses on factors that influence health and disease from a societal-based perspective. Core concepts include epidemiology, infectious disease, environmental health, and healthcare policy along with discussion of public health career opportunities. Both Personal and Public health courses challenge the student to understand the importance of making informed, proactive choices that will directly impact one's own health as well as that of society.

Nutrition is the scientific study of food and how it nourishes the body. Coursework in nutrition explores both the art and science of food, from digestion and metabolism to healthy meal patterns throughout the lifespan. The curriculum also covers the influence of culture on dietary practices, the principles of food preparation, diet strategies for optimal sport and athletic performance, and career options within the nutrition and dietetics profession.

The Exercise Science and Wellness, Health Education, and Nutrition Department offers courses to meet the General Education, Associate of Art, and Associate of Arts Transfer degrees. In addition, these courses create a solid foundation for a baccalaureate major in Kinesiology, Health Education, Nutrition, or related fields.

Geography

Faculty:

Cliffe, Curran, Goodman, Therkalsen

Geography courses are designed to help the general student understand the physical and cultural world. As a field of knowledge dealing with spatial relations and processes on the earth's surface, the study of geography leads to an understanding of human distribution over the earth, of the various uses to which we have put different parts of it, of cultures and economies created, and of the spatial interrelations which exist between, and have influenced, these patterns. Thus, geography has a fundamental place in the equipment of an educated person.

The discipline of geography has been traditionally divided into two main categories, the physical elements and the cultural elements. Physical Geography deals with landforms, soil, earth-sun relationships, weather, climate, natural vegetation and natural resources. Cultural Geography deals with populations, languages, religions, race, economics, settlement types and regions. Specialized courses from the physical and cultural elements are also offered.

Geology

Faculty:

Cliffe, Jacobson, Teachout

The geology program offers basic instruction in geology and related subsiences (geophysics, physical and historical geology technology). Students are urged to search for rational explanations of physical processes, to realize interdisciplinary approaches involved, to develop means of exploring, understanding, appreciating, enjoying and protecting their environment.

Coursework is designed to provide a liberal as well as a practical education for both majors and nonmajors, to show what geology is and what geologists do, and to impart a degree of skill and ability for understanding current technology.

Laboratory methods and observations in the field augment formal classroom work to enable the student to participate in direct observation, exploration and understanding of geological investigations and techniques.

Mathematics

Faculty:

Capacia, Davis, Funk, Giles, Greenheck, Hicks, Lee, Lines, Manchester, Millan, Munoz, Palacios, Pereira, Rawlings, Smith, Sundblad, Vanden Eynden, Waller, Working

The mathematics curriculum provides the essentials of high school mathematics (Math 090, 096, 103, 108, 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, 176, 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:****Jacobson, Teachout**

The faculty of oceanography endeavors to provide a basic course in the principles of physical oceanography that integrates aspects of physics, chemistry, meteorology and geology as they relate to the marine environment. 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.

Science

Science is an interdisciplinary program. The principle class is Introduction to Scientific Thought. This class fulfills both physical science and critical thinking requirements. The class focuses on scientific thinking, the history of science, the philosophy of science, the big ideas in science, science and ethics, science and religion, and how to detect pseudoscience and to distinguish it from genuine science.

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Part-Time Faculty

Over 600 part-time faculty teach for Grossmont College each semester. They bring the current state-of-the-art knowledge in their disciplines and a professional commitment to their students. Their dedication and loyalty to the college and its students are very much appreciated. Without these faculty, the college would not be able to provide the breadth of course offerings or bring the depth of practical work experience to the classroom that it does today.

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Instructional Computing Facilities Supervisor

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Benge, Pamela
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Zumbado, Rocio
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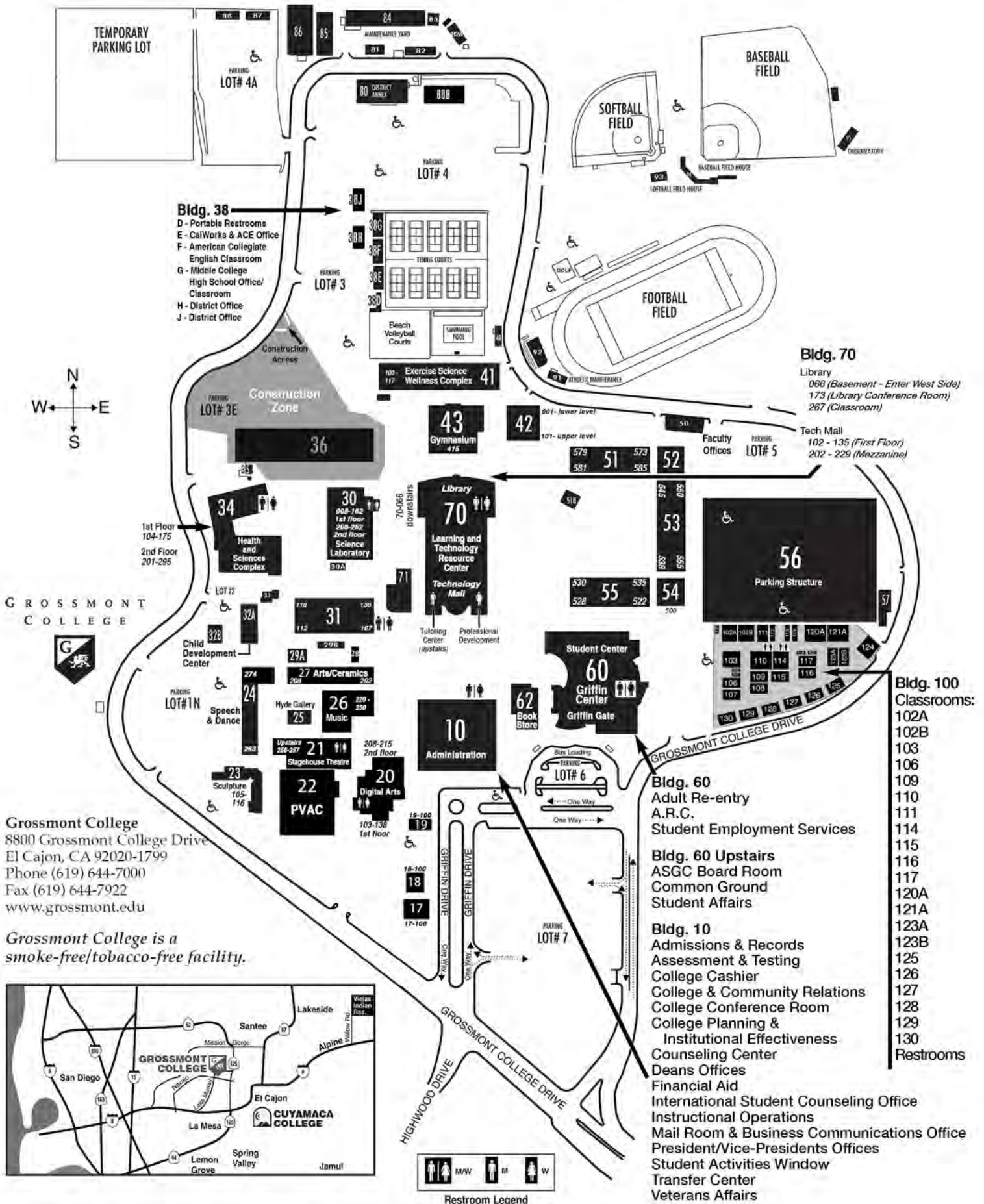
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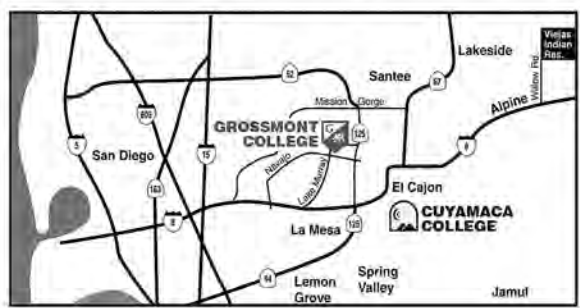
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Grossmont College Map



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