The college reserves the right to make changes, additions or deletions to this catalog as deemed necessary by action of the administration and the Board of Trustees. Consult a current class schedule for more information.

If requested, Cuesta College materials will be available in other formats. Please contact Disabled Student Programs and Services or the Vice President of Student Support for assistance.

Copies of this catalog are available online at www.cuesta.edu or by contacting Cuesta College Marketing and Communications at (805) 546-3153.
SAN LUIS OBISPO COUNTY COMMUNITY COLLEGE DISTRICT
San Luis Obispo, CA 93403-8106
(805) 546-3100
World Wide Web Address: http://www.cuesta.edu
Cuesta College is accredited by the Accrediting Commission for Community and Junior Colleges
of the Western Association of Schools and Colleges
3402 Mendocino Avenue, Santa Rosa, CA 95403 (707) 569-9177,
an institutional accrediting body recognized by the
Commission on Recognition of Postsecondary Accreditation
and the U.S. Department of Education.

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The Board of Trustees of the San Luis Obispo County Community College District affirms that no person shall, on the basis of race, color, religious beliefs, gender, national origin, ethnicity, age, mental or physical disabilities, veteran status, sexual orientation, or marital status, be unlawfully subject to discrimination under any program or activity of the San Luis Obispo County Community College District, and that the lack of English language skills shall not be a barrier to admission to, and participation in, vocational education programs and services of the San Luis Obispo County Community College District.

El Patronato del Distrito de la Universidad Comunitaria del Condado de San Luis Obispo afirma que ninguna persona será ilegalmente sujeta a discriminación, en base a raza, color, creencia religiosa, género, nacionalidad, etnicidad, edad, incapacidad mental o física, posición de veterano, orientación sexual, o estado matrimonial, bajo cualquier programa o actividad del Distrito de la Universidad Comunitaria del Condado de San Luis Obispo, y que la falta de conocimiento del idioma inglés no será un obstáculo para ser admitido y para participar en los programas y servicios educativos vocacionales del Distrito de la Universidad del Condado de San Luis Obispo.
GENERAL INFORMATION

ACADEMIC CALENDAR
MISSION STATEMENT
OVERVIEW
### Academic Calendar 2008-2009

#### General Info

**Legend:**
- ☐ Holiday - No Classes
- ☐ Instruction Begins/Ends
- ☐ Flex Day - No Classes
- ☐ Final Examinations

#### Summer Session 2008: June 16 - July 26

- June 16: Instruction begins
- July 4: Independence Day Holiday
- July 26: Summer session ends (6-week classes)

Summer Session final exams are held on the last day of class.

#### Fall Semester 2008: August 18 - December 19

- August 13-15: Flex days
- August 18: Instruction begins
- September 1: Labor Day Holiday
- October 9-10: Flex days
- November 10: Veterans Day Holiday
- November 26: Flex day
- November 27-29: Thanksgiving Holiday
- December 13-19: Final exams
- December 19: Semester ends

#### Spring Semester 2009: January 20 - May 27

- January 15-16: Flex days
- January 19: Martin Luther King, Jr. Holiday
- January 20: Instruction begins
- February 13: Lincoln's Birthday Holiday
- February 16: Washington's Birthday Holiday
- April 14-18: Spring break
- May 16-22: Final exams
- May 25: Memorial Day Holiday
- May 27: Memorial Day Holiday
- May 29-31: Semester ends

#### Academic Calendar Tables

**June 2008**

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MISSION STATEMENT

VISION

Cuesta College is a premier community college providing accessible, high-quality education that focuses on student success, lifelong learning, and community vitality.

Vision: Cuesta College es un colegio universitario que provee educación de alta calidad para asegurar el éxito estudiantil, aprendizaje de toda la vida, y vitalidad comunitaria.

MISSION

Cuesta College makes lifelong learning happen. We enable students to achieve their academic, transfer, workforce preparation, career advancement, and personal goals. Building on our tradition of excellence, we serve our community by providing programs and services that produce students who can succeed in a diverse and rapidly changing society, participate effectively in their local communities, and live responsible and rewarding lives. As a learning college, we provide a supportive environment for students and employees, assess student and institutional outcomes, improve performance, forge strategic partnerships, and maximize opportunities for learning.

Mision: La misión de Cuesta College es asistir a nuestros estudiantes a lograr sus metas académicas y personales, trasladarse a universidades de cuatro años, adquirir técnicas de trabajo, y avanzar en sus carreras. En base a nuestra tradición de excelencia, ofrecemos programas que preparan a nuestros estudiantes para triunfar en una sociedad diversa, tomar parte activa en sus comunidades, y conducir vidas responsables. Asimismo, proveemos un ambiente de apoyo a estudiantes y trabajadores, asesoramos a nuestros estudiantes y nuestros logros institucionales, mejoramos nuestro rendimiento, facilitamos la formación de asociaciones y oportunidades de aprendizaje.

VALUES

Excellence — We pride ourselves on providing high-quality faculty and staff who create relevant and innovative programs and services that result in desired student learning outcomes.

Integrity — We strive to maintain public trust by being responsible, honest, and trustworthy with our students, staff, and community.

Diversity — We embrace diversity by respecting the dignity of every individual, accepting differences, and striving to be inclusive.

Responsiveness — We respond to the changing needs of our students and communities through open access, flexible learning options, and adapting to change.

Caring — We provide a safe, supportive, and participative environment that treats everyone respectfully and fairly and allows students and employees to recognize their strengths, clarify their goals, achieve success, and enrich their lives.

Collaboration — We are committed to creating an internal environment that fosters a sense of community and to achieving success through collaboration with business, community, and educational partners.

VALORES

Excelencia – Nuestro profesorado y trabajadores ofrecen servicios de alta calidad para asegurar el éxito estudiantil.

Integridad – Procuramos mantener la confianza del público siendo responsables y honrados en nuestras relaciones con los estudiantes, trabajadores, y la comunidad.

Diversidad – Respetamos la dignidad de cada individuo y aceptamos sus diferencias.

Sensibilidad para Responder – Respondemos a las necesidades de nuestros estudiantes y nuestras comunidades en forma abierta y flexible y adaptando a cambios.

Dedicación – Proveemos un ambiente de apoyo a estudiantes y trabajadores, asesoramos a nuestros estudiantes y nuestras comunidades, mejoramos nuestra confiabilidad, clarifiquen sus metas, y logren una vida exitosa.

Colaboración – Nos comprometemos a crear un ambiente interno que acoge un sentido de comunidad y lograr éxito a través de la colaboración de negocios, la comunidad y otras instituciones educativas.

LOCATION

Cuesta College, the “home” college of San Luis Obispo County, operates two campuses within the San Luis Obispo County Community College District and offers an evening program of course work at off-campus centers in the district, including the Arroyo Grande Center at Arroyo Grande High School and the Nipomo Center at Nipomo High School.

The San Luis Obispo Campus is located in the Chorro Valley between the cities of San Luis Obispo and Morro Bay on California’s beautiful, coast-hugging Highway One. Here the college has a permanent campus on 150 district-owned acres, leased facilities on adjacent California National Guard property, and a 75-acre field campus.

The North County Campus sits on 105 acres among the rolling hills of Paso Robles on Buena Vista Drive near the junction of Highway 101 and Highway 46 East.

San Luis Obispo County is well known for its outstanding recreational features such as stream, lake, and ocean sports and an extensive park system.

OVERVIEW

HISTORY

The original junior or community college in San Luis Obispo County was initiated as a postgraduate division of San Luis Obispo High School in 1916 and remained in operation until the United States entered into World War I. In 1936, the San Luis Obispo High School District again formed a junior college, which remained in operation until June 1959.


During the 1964-65 college year, the San Luis Obispo County Junior
College District offered a limited evening division program with 463 students registering for the fall semester and 696 enrolling for the spring semester. Temporary quarters were established at Camp San Luis Obispo, a California National Guard facility located halfway between San Luis Obispo and Morro Bay. Classes and offices were situated in refurbished barracks, recreation rooms, and mess halls.

Despite the District’s modest beginnings, 917 day students and 991 evening students were enrolled in classes by the fall of 1965. Evening division classes also were conducted at three other locations in the county - Arroyo Grande, Atascadero, and Paso Robles. On October 4, 1965, the Board of Trustees of the San Luis Obispo County Junior College District named the new college “Cuesta College.” In 1971, the “junior” college district was renamed to “community college.”

In 1970, ground was broken for the college’s first permanent buildings, located on a 150-acre campus west of Camp San Luis Obispo. During the following 35 years, classroom buildings, a library, observatory, student center, art and music lab building, art gallery, high tech learning center, children’s center, and offices were constructed on the San Luis Obispo campus. The new performing arts building is under construction and is anticipated for completion in spring 2009. By spring 2008, the student population on the San Luis Obispo Campus grew to more than 8,500 students.

Cuesta College has a long history, which dates back to the late 1960s. It is a history of teaching at off-campus instructional sites. Through the years, Cuesta has taught in Cambria, Atascadero, Paso Robles, Templeton, Arroyo Grande, and Nipomo.

In fall 1998, the college opened the North County Campus on its 105-acre site in Paso Robles. The campus was, built almost exclusively with private gift support, has grown from 1,200 students the first semester to over 3,000 day and evening students in spring 2008. The site began with modular buildings to be used until permanent buildings were approved by the state. In the summer of 2005, the first permanent building opened to students: The Fox Family Building. This building houses Allied Health, Math, and Science. The college anticipates breaking ground for two additional permanent buildings in 2008-09: The North County Campus Learning Resource Center and the Trades and Technology Complex.

The South County Centers are off-campus evening instructional sites at Arroyo Grande High School and Nipomo High School, provided in cooperation with the Lucia Mar Unified School District. During the spring 2008 semester, more than 800 evening students were served at these sites.

Cuesta College now serves more than 13,000 students at all college locations. The college has become a center for community use by individuals, families, and community groups on an extended-day and year-round basis.

Historia: La universidad comunitaria del Condado de San Luis Obispo se formó inicialmente como una extensión de la Escuela Secundaria de San Luis Obispo en 1916 y permaneció abierta hasta que los Estados Unidos entró en la Primera Guerra Mundial. En 1936, el Distrito de la Escuela Secundaria de San Luis Obispo formó otra vez el colegio universitario, el cual se mantuvo en operación hasta junio de 1959.

El 16 de abril de 1963, el Condado de San Luis Obispo aprobó la formación de una universidad comunitaria para servir a siete escuelas secundarias públicas del distrito. El Distrito del Colegio Universitario de San Luis Obispo sirvió los Distritos de la Escuela Secundaria de Arroyo Grande, de Atascadero, de Coast Joint Union, de Paso Robles, de San Luis Obispo, de Shandon y de Templeton.


En 1970, se inició la construcción de los edificios permanentes, sobre un area de 150 acres, al oeste del Campamento de San Luis Obispo. Durante el transcurso de 30 años, se construyeron aulas, una biblioteca, un observatorio, un centro estudiantil, un laboratorio de arte y música, una galería de arte, un centro de aprendizaje tecnológico, un centro de cuidado de niños, y oficinas en la ciudad universitaria de San Luis Obispo. Actualmente, el edificio de Bellas Artes está siendo construido; se anticipa que estará terminado en la primavera del 2009. En la primavera del 2008, el número de estudiantes aumentó a 8500 en San Luis Obispo.


En el otoño de 1998 se abrieron las puertas del Condado Norte, en un terreno de 105 acres en Paso Robles. La universidad, construida casi exclusivamente con fondos de donaciones privadas, empezó con 1200 estudiantes el primer semestre. En la primavera del 2008, el número de estudiantes aumentó a 3000 estudiantes diurnos y nocturnos. La localidad inició con edificios modulares, en espera de que edificios permanentes fuesen aprobados y patrocinados por el estado. En el verano del 2005, el primer edificio permanente fue inaugurado: el edificio Fox, el cual sirve como centro de Matemáticas, Ciencias, y Salud. La universidad comunitaria anticipa dar comienzo a la construcción de dos edificios permanentes durante el año 2008-2009: El Centro de Recursos de Aprendizaje del Condado Norte y el Complejo de Comercio y Tecnología.


Actualmente, Cuesta College sirve como centro educacional universitario para mas de 13000 estudiantes. La universidad se ha convertido en un centro de servicio para la comunidad, personas particulares, familias, y grupos comunitarios. Los servicios ofrecidos están disponibles todo el año.

ACCREDITATION

Cuesta College is accredited by the Accrediting Commission for Community and Junior Colleges of the Western Association of Schools and Colleges [10 Commercial Blvd., Suite S04, Novato, CA 94949 (415) 506-0234]. All courses and curricula have been approved by the Board of Governors of the California Community Colleges. Cuesta College is fully authorized to offer courses which parallel the first two years of the California State University and the University of California curricula and which qualify a student for transfer to these and other accredited colleges and universities throughout the United States.

The Licensed Vocational Nursing Program is fully accredited by the Board of Vocational Nursing and Psychiatric Technicians. LVN courses are offered at the North County Campus.
The Associate Degree Registered Nursing program at Cuesta College has been approved by the California Board of Registered Nursing.

The Psychiatric Technician program has been approved by the California Board of Vocational Nurse and Psychiatric Technician Examiners.

The Paramedic Program is pending accreditation from the Committee on Accreditation of Education Programs for the Emergency Medical Services Professional.

**EVENING CLASSES**

A varied schedule of college credit and non-credit classes is provided in the evening. In addition to classes housed in the regular facilities on the San Luis Obispo and North County campuses, evening classes are offered at Arroyo Grande High School, Nipomo High School, Paso Robles High School and other common locations. These classes parallel all other Cuesta College classes in college credit value, prerequisites, standards, content, time devoted to preparation of assignment, and examination. Attendance and withdrawal rules, scholarship standards, and requirements for graduation with an Associate in Arts or Associate in Science degree are the same as for a regular semester but deadlines are based on the evening class schedule.

**WEEKEND COLLEGE**

College credit and non-credit courses are offered on weekends (Friday evenings and/or Saturdays) during the regular semester. Students who attend Weekend College can complete certificate and degree requirements in addition to general education courses for transfer.

**SUMMER SESSION**

The summer session offers a varied schedule of classes. Attendance and withdrawal rules, scholarship standards, and requirements for graduation with an Associate in Arts or Associate in Science degree are the same as for a regular semester but deadlines are based on the shorter summer schedule.

**NON-CREDIT**

Cuesta College offers a growing variety of non-credit classes in five areas:

1. Short-term vocational classes designed for upgrading job skills;
2. Wellness classes designed to enhance an individual's physical fitness;
3. English as a Second Language classes designed for community members whose native language is not English;
4. Citizenship classes designed for community members seeking to become U.S. citizens; and
5. Emeritus College classes designed for community members over the age of 55. These courses were created at Cuesta to meet local community needs and are designed for the adult learner whose goals are personal enrichment.
6. Approved high school coursework offered to help students meet the requirements for a high school diploma.

**LIBRARIES**

The Cuesta College Libraries on the San Luis Obispo Campus and the North County Campus support the educational program of the college. Books, periodical subscriptions and audiovisual materials are closely coordinated with curriculum offerings. Holdings include general education and vocational education materials, and other resources for updating and increasing skills and knowledge.

Through an electronic information system, students can search the Cuesta College library catalog to determine what is owned and whether it is checked out. In addition, students can search indexes of periodicals, some of which include full text of the articles, and use the Internet to connect to catalogs of other libraries and other sources of information wherever they may be located. Remote searches of the Cuesta College library catalog can be performed over the Internet using Netscape or Internet Explorer at http://library.cuesta.edu. Currently-enrolled students may also use this portal to gain remote access to full-text periodical articles and e-books.

To assist students and community residents with their informational and research needs, librarians are available at the information desk on the San Luis Obispo Campus whenever the library is open and designated hours at the North County Campus and the Arroyo Grande Center. College librarians hold advanced degrees and as part of the college faculty teach research skills and help students locate the best resources for their educational needs.

Library facilities include areas for studying, photocopying, computer use and library instruction. Comfortable surroundings invite leisurely browsing, reading and viewing, and provide a quiet place for contemplation and learning.

To borrow library materials, students must show photo identification. Community residents must show a current I.D. with local street address to use a courtesy library card.

Open computer labs on the San Luis Obispo and the North County campuses are provided for academic use only. Workstations are equipped with most software taught at Cuesta so that students can work on class projects outside scheduled lecture and lab times for their courses. One lab on each campus is adjacent to or in the Library. Smaller and more specialized labs are also available on the San Luis Campus on a more limited basis.
SERVICES

ADMISSIONS
RECORDS AND GRADING
REGISTRATION
DISTRICT POLICIES AND REGULATIONS
STUDENT PROGRAMS AND SERVICES
ADMISSIONS

Cuesta College and a student who enrolls, enter into an agreement for the purpose of realizing the student’s educational goal through the college’s established programs, policies, and requirements.

The admission application is the form each prospective student must complete to establish an identity with Cuesta College, to determine the student’s eligibility to attend, and to determine California residency to establish the fees the student will pay per credit for their courses.

Students may have just one true identity with Cuesta College. It is recommended that applicants apply using their Social Security number so that multiple records are not created. Financial aid, employment, education tax credit, state licensing (RN, paramedic, engineering) student loans, and application for transfer, all require the use of the Social Security number. Cuesta College protects student’s identity within the student records system by providing student ID numbers. Likewise, access to myCuesta requires a unique password and questions. Students should not share their Cuesta College identification number or password with others.

Pursuant to the requirements of the Seymour-Campbell Matriculation Act of 1986, the San Luis Obispo County Community College District reaffirms its commitment to serve all students who may profit from its instructional programs to ensure them equal educational opportunity, to initiate the process.

The responsibilities of Cuesta College under this agreement will entail
- The declaration of a specific educational objective after completion of 15 semester credits of degree-applicable credit course work;
- Diligence in class attendance and completion of assigned course work;
- The completion of course(s) and maintenance of progress toward an educational goal, according to standards established by the district and the state.
- Adherence to the policies and regulations of the college.

FALSIFICATION OF ADMISSION INFORMATION

A student who falsifies any information required on the Cuesta College admission application or other college documents may be dismissed from the college.

To initiate a challenge of a regulatory provision of matriculation, the student must contact the Vice President, Student Services, San Luis Obispo Campus Building 3100, Room 3175, or call (805) 546-3116 to initiate the process.

ADMISSION

Cuesta College admission information is available:
- at the Cuesta College website: www.cuesta.edu
- by calling the college’s Registration Hotline, (805) 546-3126
- in the Cuesta College Class Schedule

WHO MAY ATTEND (OPEN ENROLLMENT POLICY)

Cuesta College offers “open door” admission for:
- any person who has served in the Armed Forces of the United States;
- students interested in completing postsecondary coursework for personal development, vocational training, and/or transfer to a four-year educational institution;
- any person who has served in the Armed Forces of the United States;
- students interested in completing postsecondary coursework for personal development, vocational training, and/or transfer to a four-year educational institution;
- any person who has served in the Armed Forces of the United States;
- students interested in completing postsecondary coursework for personal development, vocational training, and/or transfer to a four-year educational institution;

RESIDENCY REQUIREMENTS

Any person enrolling at Cuesta College in credit or non-credit courses is subject to residency requirements determined by the California Education Code, classified as follows:

Resident Student:

A resident of California is assessed California resident tuition. A resident
student is one who has established both physical presence in the State of California for more than one year immediately preceding the first day of instruction each semester and who has demonstrated an intent to make California his/her state of legal residence. Demonstration of intent is attained by filing California State Income Tax forms, obtaining a California drivers license, or other reasonable evidence of permanent stay in California.

• Persons who are 19 years of age or older may establish residency in accordance with the above statement. Year of residency must begin after the eighteenth birthday.

• Persons who are under 19 years of age may establish residency in accordance with the above “resident” definition and the following:
  • Married minors may establish their own residence.
  • The residence of the supporting parent is the student’s residence. In the event of death of both parents, minors may determine their own residence.
  • Residence of an unmarried minor who has a parent living cannot be changed by his/her own act, by appointment of a legal guardian, or by relinquishment of a parent’s right of control (EC S68000).

• Students who have a “permanent residence visa” may establish residency in accordance with the preceding “resident” definition. Foreign students attending Cuesta College on an F-1 Visa, except refugees, are considered non-residents.

• All foreign students must present a copy of their Visa at the time of application.
• Students with a permanent residency card must provide their Alien Registration number.
• Los estudiantes que tienen tarjeta de residencia permanente, necesitan someter su número de registro de residente permanente empezando con la letra A.
• Refugees and asylees may establish residency in accordance with the preceding “resident” definition.

Non-Resident Student:

Non-resident tuition is charged to those applicants outside the state of California. A non-resident student is one who has not been physically present in California for more than one year immediately preceding the first official day of instruction each semester and has not demonstrated intent to make California their state of legal residence. Such students are required to pay the non-resident tuition fee, in addition to the resident enrollment fee, per credit per semester at the time of registration. This fee is subject to semester or annual change. Non-resident fees are refundable in accordance with the college’s refund policy.

Exemption to non-resident tuition exists when the applicant is physically present in California and confirms documentation for any of the following:

• Attended a California high school, or high school equivalent, for a minimum of three years (AB 540) and earned a California high school diploma, or equivalent;

• Full-time credentialed employee of a California public school enrolling in college for purposes of fulfilling credential-related requirements;

• Seasonal agricultural worker for at least a total of two months of each of the past two years;

• Full-time employee, or spouse, or dependent of a full-time employee of any of the following college/universities: California Community Colleges, California State University, University of California, or Maritime Academy.

Please contact the Cuesta College Admissions Office at (805) 546-3140 for additional information.
Minors As Special Part-time Students
(High School Enrichment Students):

Cuesta College may admit as a special part-time student anyone in public, private or parochial school, grades nine through twelve (9-12), who, in the opinion of the college president, may benefit from instruction. The majority of these students are concurrently enrolled in high school and are referred to as High School Enrichment students. Minors, grades K-8, may attend Cuesta College concurrently but are required to meet with the Cuesta College Director of Admissions and Records or the Executive Dean at the North County Campus prior to registration.

The High School Enrichment student is expected to follow regulations and procedures established for all college students.

High School Enrichment students are not required to pay the enrollment fee, but are responsible for all other applicable fees. Residents of other states and foreign countries are subject to non-resident tuition. High School Enrichment students will receive college credit for community college courses they complete.

A student applying as a high school enrichment student must submit an admission application and meet all the following requirements each semester until the student has graduated from high school, achieved high school graduation equivalency, or become 18 years of age:

- Demonstrate the ability to benefit from advanced scholastic or vocational work as determined by the Cuesta College Board of Trustees;
- Receive a written, positive recommendation for specific coursework from the principal of the school of attendance on a Permit to Enroll request;
- Receive written parental consent to attend Cuesta College on a Permit to Enroll request;
- Meet all course prerequisites;
- Enroll in 11 or fewer credits;

To enroll in 12 credits, a student must be authorized to attend Cuesta College by the Public School District or the County Board of Education—if the student attends public school—and undertake courses of instruction that would provide “sufficient scope and duration to satisfy the requirement of the Law.”

Special admission of minors is authorized by the following California Education Code Sections: 76001 and 48800 (special part-time students), 76001.5 and 48800.5 (special full-time students), and 76002 (summer school).

International Students

Cuesta College is approved by the United States Department of Justice as an institution of higher learning for non-immigrant F-1 & M-1 Visa students.

In addition to completing an application for admission to Cuesta College, F-1 & M-1 Visa students must comply with the following to be admitted to Cuesta College:

- Completion of an International Student Application, which includes a financial certificate, health and insurance certification, transcript requirement, and a test of English as a foreign language (as noted in the “Test of English as a Foreign Language” section).

Deadline for submitting the International Student Application is June 1 for the summer session and fall semester, and December 1 for the spring semester. A $25 processing fee must accompany the International Student Application.

Certificate of Financial Responsibility

Students must show evidence of ability to pay non-resident fees and must maintain 12 credits a semester. Completion of a financial certificate is required to verify that the student has sufficient financial resources for physical maintenance, housing, and educational costs for the duration of their studies at Cuesta College.

Test of English as a Foreign Language (TOEFL)

Classes are conducted in English; therefore, it is necessary to be proficient in reading, writing, and speaking the English language. For this reason, Cuesta College requires all international (F-1) students applying for admission to submit proof of passing the Test of English as a Foreign Language (TOEFL) with a score of 500 or better.

Transcripts of International Student Academic Records

Students must provide certified transcripts of academic records achieved during all prior high school and college attendance. Transcripts must be translated into English and must bear the school seal and be signed by the registrar or other appropriate official. For credits from accredited international colleges or universities to be used toward an associate degree or transfer general education certification, the records must be evaluated by a recognized credential evaluation service.

Health Certification and Insurance

The prospective applicant must provide a certificate of a negative skin test or a chest X-ray for tuberculosis.

Certification of Current Health Insurance Coverage which covers accident or illness while in the U.S. will be required.

I-20

Cuesta College will issue the I-20 to the student after all admission requirements have been met.

General

International students concurrently enrolled at any California State University, University of California, or another community college may enroll for not more than six credits and must have the written consent of their advisor from the college where the I-20 is on file.

Prospective Visa students must apply for admission while residing in their homeland unless they are transfer students. Transfer students must contact the Admissions Office for direction on applying and transferring their I-20 to Cuesta College.

PROGRAMS WITH ADDITIONAL ADMISSION REQUIREMENTS

Additional admission requirements are in place for the following programs:

- Agricultural Technology
- Psychiatric Technician
- Registered Nursing
- Licensed Vocational Nursing
- Paramedic

Agricultural Technology

The Agricultural Technology Program is a cooperative educational program between Cuesta College and California Polytechnic State University, San Luis Obispo. The program enables qualified Cuesta
students to enroll in specified lower division Cal Poly courses in the College of Agriculture, Food and Environmental Science while concurrently attending Cuesta College. Students enrolled in this program may earn an Associate in Science degree in any of eleven majors: agricultural systems management, animal science, bioresource and agricultural engineering, crop science, dairy product technology, dairy production, environmental horticulture science/floral design, environmental horticultural science/landscape design, environmental horticulture science/plant production, food science, or fruit science.

Agricultural technology students complete general education and elective course work at Cuesta College and lower division major courses within the College of Agriculture, Food and Environmental Science at Cal Poly. Fees are paid to each institution for every term, and grades are posted to the student's transcript at the institution where the course was completed. Upon completion of the required coursework and completed degree application, Cuesta College grants Associate in Science degrees to students in the program.

Students who have been academically disqualified from the College of Agriculture, Food and Environmental Science at Cal Poly are not eligible to participate in the Agricultural Technology Program until all conditions for readmission to Cal Poly have been met.

Application deadlines for the Agriculture Technology program are:
- Fall - August 1
- Winter - December 1
- Spring - March 1
- Summer - Not Permitted

Interested students should contact the Cuesta Transfer/Career Services vocational counselor at (805) 546-3100 x2333.

Psychiatric Technician

Students interested in applying to the Psychiatric Technician Program are encouraged to attend a Psychiatric Technician information workshop and are strongly urged to consult with a counselor before they register for course work in the prerequisite class, Introduction to Psychiatric Technician.

All deadlines must be met for admission to the program.

The following are requirements for consideration for admission to the Psychiatric Technician program:
- Satisfaction of the assessment tests. (Satisfactory score on the HOBET placement exam, course work at the appropriate level.)
- A current Psychiatric Technician Application on file in the Psychiatric Training Program Office at Atascadero State Hospital. To submit an application, call (805) 468-3175 or 468-3099.
- Application for Admission to Cuesta College.
- A copy of the applicant's high school diploma, high school transcripts showing graduation or official college transcripts showing degree completion must be submitted to the Psychiatric Training Program office.
- Completed physical examination, background check and drug screening are required for final acceptance.
- The following is not required but suggested:
  - Completion of the orientation course, Psych Tech 10, Introduction to Psychiatric Technician, with a passing grade.

Fulfilling the preceding criteria does not guarantee admission to the next beginning class. Completion of the above makes the applicant eligible for consideration, via a random selection from a pool of qualified applicants.

Registered Nursing

Students interested in applying to the Registered Nursing Program are strongly urged to consult with a counselor before they register for course work in prerequisite classes.

Cuesta College Registered Nursing Program is not accepting applications for the 2008-2009 academic year. Please refer to cuestanursing.org for complete RN Moratorium announcements, the RN Moratorium Question and Answer Fact Sheet, and current information.

Completed physical examination, background check, and drug screening are requirements for final acceptance into the program.

Students can achieve eligibility for the National Council Licensure Examination in Registered Nursing in three ways:
- Complete all required courses for the Associate in Science degree in Registered Nursing.
- Complete all Board of Registered Nursing required content without a degree.
- Complete the 30-credit optional program (only V.N.s are eligible).

Registered Nursing Program 30-Credit Option for Students (only available to V.N.s)

Licensed Vocational Nurses interested in applying to the Registered Nursing program must obtain an application from the Division of Nursing and Allied Health. V.N.s are accepted in this program on a space-available basis each fall. To be eligible the V.N. must have the following on file in the Nursing Office:
- Application for the 30-Credit Option;
- A current California V.N. license;
- Transcripts showing completion of Biology 12 (Human Biology) or college equivalent, and Biology 4 (General Bacteriology) or college equivalent with a “C” or better.
- Completed physical examination, background check, and drug screening are requirements for final acceptance into the program.

Entrance requirements and deadlines are subject to change. Please refer to cuestanursing.org for the most current information. For additional questions, please contact the Nursing and Allied Health Division Office at (805) 546-3119.

Licensed Vocational Nursing Program

All persons who have met general college admission requirements and the additional Vocational Nursing Program admission criteria will be eligible for admission to the LVN Program.

Prerequisite course work must be complete at the time of application.

Students who submit a complete application and meet all VN admission criteria may be admitted to the Vocational Nursing Program. Students are admitted once a year in the summer. LVN courses are offered at the North County Campus in Paso Robles, CA.

Entrance requirements and deadlines are subject to change. For additional information contact the Nursing and Allied Health Division Office at (805) 546-3119.

Paramedic Program

All persons who have met general college admission requirements and
Entrance requirements and deadlines are subject to change. For additional information contact the Nursing and Allied Health Division Office at (805) 546-3119.

**TRANSCRIPTS**

Prior to registration, all students must submit official (sealed) copies of all high school and college transcripts to the Cuesta College Records Office, PO. Box 8106, San Luis Obispo CA 93403-8106. Final transcripts should be submitted once all coursework is completed and grades are posted.

Official transcripts are required to satisfy course prerequisites, Student Education Plans, GE Certifications, and all program evaluations at Cuesta College. Transcripts submitted to Cuesta College will not be released to students, other colleges or agencies.

**ASSESSMENT TESTING**

In keeping with Cuesta College’s commitment to assure each student equal opportunity to demonstrate competency or knowledge, the district shall monitor assessment test results to determine if a disproportionate impact may exist for particular groups of students. If such an impact is detected, a plan shall be developed (in consultation with the California State Chancellor’s Office) to correct the disproportionate impact [California Education Code Title 5, Section 55512(a)].

**Mathematics Assessment**

New students, or those who have not completed prerequisite coursework at a high school, college, or university, are expected to take a mathematics assessment test prior to enrolling in any non-transferable mathematics course (Math 003, 007, 119, 021, 123, 123SI, 124A, 125, 126A, 126B, 127 and 127SI). Students not wishing to take a mathematics assessment test, may enroll in Mathematics 003 (Arithmetic). Transferable mathematics courses (those numbered 229 and above) have academic prerequisites that must be verified prior to registration.

**English Assessment**

New students or those who have not completed prerequisite coursework at a college or university are expected to take an English assessment test prior to enrolling in English 201A, 156 or 099.

Assessment results and other multiple measures will be used by the student and a Cuesta College counselor in a pre-registration workshop to select the most appropriate classes, based on demonstrated ability.

Students transferring from other California community colleges are encouraged to submit their recent assessment test scores with recommended course placement to avoid additional assessment testing at Cuesta College [Title 5, Section 55530(c)]. However, if placement from another community college is into English 201A (transferable English) and the student’s prior English assessment did not include an essay, the student must also take Cuesta College’s essay-only exam.

New students in the English as a Second Language (ESL) program must take the ESL evaluation. Students will receive their evaluation results and class recommendations within a week after taking the test. For additional information, call the English as a Second Language Division Office at (805) 546-3100, extension 2127.

Estudiantes nuevos al programa de Inglés como Segunda Lengua deben tomar la evaluación de ESL. Los estudiantes recibirán los resultados de la evaluación y las sugerencias de nivel de clase después de una semana. Para más información, comuníquese con la oficina de Inglés como Segunda Lengua al teléfono (805) 546-3100, extensión 2127.

**Who Should Take Assessment Tests?**

Placement testing for Cuesta College is available to students when they are in their senior year of high school or when they are ready to begin the matriculation process for entrance. Students who have not completed prerequisite courses at another college and want to enroll in English 099 or higher, or any math higher than Math 003 are expected to take an assessment test. Testing may also be required for other courses that have academic prerequisites which students must meet to enroll in those courses.

Assessment Appeal forms for both English and mathematics are available at the Matriculation Services Office, San Luis Obispo Campus, Building 3400, or call (805) 546-3951.

**Why Is Assessment Testing Important?**

The college considers assessment testing to be one of the most valuable services it offers. Students find it gives them an important window to their basic abilities and interests. Assessment testing is diagnostic and can guide students in directions that may save them valuable time (sometimes more than a semester), grief (from a poor grade point average due to course failure), and effort in achieving their educational and career goals.

Para información acerca de exámenes de asesoramiento para aprender inglés, vea la sección “Información Para Las Personas Que Hablan Español,” o por favor de llamar (805) 546-3140.

**Assessment Testing for Students with Disabilities**

The college has a commitment to assure each student an equal opportunity to demonstrate competency or knowledge in a subject area. Therefore, students with verified disabilities (according to California Education Code Title 5 regulations) are expected to demonstrate the same competency or knowledge as their non-disabled peers. Accommodations will be made on an individual basis in the method or format of examinations. These accommodations may be requested by a faculty member, Disabled Student Programs and Services (DSPS) faculty or the student with a disability. The request for accommodation shall be made in advance through the Director of Academic Support/Disabled Students Programs and Services at the San Luis Obispo Campus, (805) 546-3148. For the North County Campus call (805) 591-6215. Verification of disability is required.

**Exemptions to Assessment Testing**

Assessment is mandatory if results are required to meet a course prerequisite. Students may be exempt from assessment testing if they meet one of the exemption criteria listed below.

- Enrolling in six credits or less (except for credits required to meet a course prerequisite)
- Earned an Associate or higher degree
- Are a non-matriculating K-12 grade student
- Are concurrently enrolled in another college or university and are receiving matriculation services at that college or university
- Are taking courses for personal interest only
- Are taking courses for advancement in current job/career
- Are taking courses to maintain a certificate or license
COUNSELING SERVICES

The primary goal of Counseling Services is to provide the necessary educational, vocational, and personal support to enable students to succeed at Cuesta College. Students should come for counseling when they need help with any kind of problem that might affect their academic performance. Because course selection is important and four-year college requirements change frequently, students should consult with a counselor on a regular basis before registering for classes.

Counselors are available by appointment and on a walk-in basis. Appointments may be scheduled one week in advance, either in person or by phone, and may be made with a specific counselor. Walk-in is best for short-term academic planning, quick questions, referral to college and community services, or emergency problem-solving. Walk-in is on a first-come, first-served basis with the counselor available at that time; it is generally no longer than 15 minutes per student.

Due to the large number of students, there are certain times of the academic year when counseling is available by walk-in only—July, August, December, and early January. To avoid the lengthy waits and rushed atmosphere associated with walk-in only, students should plan ahead. To plan for fall semester, make an appointment during spring before the end of April. To plan for spring semester, make an appointment in September or early October.

Appointments

Counseling Services at the San Luis Obispo Campus are located at the Student Services Center in the Library Building. It is staffed both day and evening. Appointments may be made one week in advance beginning the first working day of the week. To schedule an appointment, call (805) 546-3138 between 9:00 a.m. and 5:00 p.m.

Other Campuses/Centers

During the academic year, counseling assistance is provided for students who enroll in classes at one of the college's other sites.

Arroyo Grande Center (Arroyo Grande High School):

For appointments, call Counseling Services at the San Luis Obispo Campus at (805) 546-3138 or the Arroyo Grande Center at (805) 546-3955.

North County Campus (Paso Robles):

Counseling Services at the North County Campus are located in Building 3000. Appointments may be scheduled at Student Services, Room N3013 and N3019.

For information, refer to the summer, fall, or spring class schedules. For appointments, call Student Services at (805) 591-6241.

Academic and Personal Counseling

Academic and personal counseling support is provided for continuing students through individual and small group sessions. For personal counseling contact the Student Health Center at (805) 546-3171.

Counselors provide the following services:

Orientation/Advisement:

Orientation provides basic information regarding Cuesta College services and programs, as well as student rights and responsibilities. During advisement, a student and a counselor use a student's assessment scores and previous academic history to plan a program of study appropriate to the skill level and educational goal of the student. Orientation/advisement is conducted in group settings.

The Cuesta College New Student Orientation is designed to help students get off to a good start, learn about the requirements for a certificate, Associate Degree and transfer, as well as policies and procedures of the college. Students may participate in a New Student Orientation by attending a group orientation at the Cuesta College campus or by completing an online orientation.

Great Start Workshop Orientation:

Scheduled Great Start group orientation sessions on the Cuesta College campus are offered immediately after the English and math assessment session and are approximately two hours long. Students must submit an admission application prior to signing up for a Great Start Workshop at www.ccapply.org. Students may sign up for the Great Start orientation online through the Assessment Test site or by contacting the Assessment Office at (805) 546-3951.

Online Orientation:

Once an application for admission has been submitted and confirmation has been received, the online orientation is available to all Cuesta College students by logging into my.cuesta.edu. The online orientation allows students to choose their goal (AA, CSU, or UC) and proceed on the appropriate path to accomplish their goal.

Exemptions to Orientation:

Students may be exempt from participation in orientation if they meet one of the exemption criteria listed below:

• Enrolling in six credits or less;
• Earned an Associate or higher degree;
• Are a non-matriculating K-12 grade student;
• Are concurrently enrolled in another college or university and are receiving matriculation services at that college or university;
• Are taking courses for personal interest only;
• Are taking courses for advancement in current job/career (updating job skills);
• Are taking courses to maintain a certificate or license.

Financial Aid students will have completed their required first semester Student Education Plan (SEP) by completing either the group orientation at a Cuesta College campus or the online orientation.

Student Educational Plan (SEP):

After the semester begins, students are encouraged to see a counselor in order to develop a personalized Student Educational Plan (SEP) which charts the student's future through college.

Local High School Outreach:

Liaisons to local high schools are provided to support the enrollment of local students at Cuesta College.

Specialized and Targeted Counseling:

Counselors also provide specialized and targeted counseling for the following groups of students:

• CalWORKS: Academic and personal counseling for qualified students.
• Career Technical Education: Academic and personal counseling for qualified students.
- Extended Opportunity Programs and Services (EOPS): Academic and personal counseling for qualified students.
- Disabled Student Programs and Services (DSPS): Academic and personal counseling for qualified students.
- International Students: Cuesta College enthusiastically welcomes international students from around the world. The international student counselor provides academic counseling and assists the student with the paperwork required for change of status, practical training, extension of stay, reinstatement to student status, and transfer to other institutions of learning.
- Re-entry Students: The Re-entry Program is designed to be a support system for students 25 and older, returning to school after an absence of five or more years. The services include:
  - "Great Start" Assessment and Orientation (prospective students)
  - Academic Counseling by appointment or walk-in
  - Priority Registration (limited number of semesters)
  - Information postcards and newsletters
  - Activities and social events
  - Reentry Center (San Luis Obispo campus)
  - Reentry course offerings (San Luis Obispo campus)

**FEES**

**REGISTRATION FEES**

The college reserves the right to make changes, additions and/or deletions to the list of fees and charges during the academic year when deemed necessary by action of the State of California, the administration and/or the Board of Trustees.

In the case of a fee increase or decrease, students enrolled in the affected term will be subject to the fee increase or decrease for that term. The student’s account will reflect the changes that occur and the fee payment policy will govern the credit or collection of these fees.

Students should be prepared for the following expenses. Other expenses will vary with individual student needs.

- **Enrollment Fee***: $20 per credit
- **Material Fee**: Varies per class (if applicable, see the current class schedule)
- **Student Center Fee***: $1 per credit at the San Luis Obispo Campus for a maximum of $10 per academic year (no fee charged during summer session)
- **Health Center Fee**: $14 per semester
  - $11 per summer session
- **ASCC Student ID Card**: $10 per semester
  - $5 per summer session
- **Student Representation Fee**: $1 per semester
- **Textbooks and Supplies**: $50-$85 average per course

*These fees may not apply to students who, at the time of enrollment, are recipients of benefits under the TANF (CalWORKs) the SSI/SSP or the General Assistance programs.

Non-Resident Tuition (in addition to preceding fees)

- **Out-of-State Students**: $181 per credit for all credits attempted per semester plus enrollment fee
- **International Students**: $181 per credit for all credits attempted per semester plus enrollment fee
- **Audit Fee**: See Auditing section of Catalog.
- **Parking Permit Fees (Day or Evening)**
  - San Luis Obispo and North County Campuses
  - Automobiles, vans, trucks: $20 per semester
  - Motorcycles, mopeds: $5 per semester
  - Each additional vehicle: $5 per semester
  - $2.50 per summer session
  - $2 per summer session

A daily permit is available at Park-Ur-Self machines located in the parking lots.

Parking citations will be issued for violations of campus parking and traffic regulations. A copy of these regulations is given to students when they purchase parking permits or may be obtained from the Public Safety Office.

The fine for parking violations is set by the Cuesta College Board of Trustees. Most violations are $20 to $54. The fine for unauthorized parking in handicapped spaces is $275. For a complete list of parking fines, contact the Public Safety Office.

**Enrollment Fee (Education Code Section 76300)**

The enrollment fee is set by the State of California. This fee is subject to change and is currently set at $20 per credit.

**Non-Resident Tuition (Education Code Section 76140)**

The cost of tuition for out-of-state and international students is in addition to the enrollment fee. Non-resident status is based on admission application information. Students are notified within two weeks of their status and may view their residency status in myCuesta. If you have questions about your residency status, please contact the Admissions and Records Office for assistance.

**Health Fee (Education Code Section 76355)**

In accordance with the California Education Code and District policy, Cuesta College has a mandatory health fee. Students, excluding those with the exceptions listed, are required to pay the $14 fee each semester regardless of the number of credits they are taking. This fee is nonrefundable once the semester begins and is subject to change per local Board action. The health fee is not an eligible tax credit fee.

Health Fee Exemptions (Education Code Section 76355)

- Students enrolled in non-credit courses
- Students taking classes only at the South County Centers (Arroyo Grande and Nipomo High Schools) and off-campus sites.
- Students who depend exclusively upon prayer for healing in accordance with the teachings of a bona fide religious sect, denomination, or organization, provided that the student presents documentary evidence of an affiliation with such a bona fide religious sect, denomination, or organization.
- Students attending Cuesta College under an approved Apprenticeship Program.
ASCC Student ID Card Fee

The Associated Students of Cuesta College (ASCC) Student ID Card fee provides a college picture ID and helps fund student activities and services, as well as college programs. This optional fee provides support to the following programs:

- Emergency book loans
- Reserve books subsidy for library
- Student Jobs
- Student Newspaper
- Bus Pass Subsidy
- Tutoring Services
- Free legal counseling clinic
- Movies, games and music - ASCC Social Club
- Intercollegiate sports
- Student art shows and intercollegiate music festivals
- Activities
- Student Center and Cultural Center Support
- Clubs and organizations

**San Luis Obispo Campus only**

If the ASCC Student ID card is lost, stolen, mutilated or destroyed, the student is provided, free of charge, one replacement during the student's Cuesta career. There is a $2 replacement fee for additional cards. The ASCC Student ID Card may be purchased/renewed each semester, even if the student has already had her or his picture taken. This fee is non-refundable/non-reversible once the semester begins.

Student Center Fee (Education Code Section 76375)

The Student Center Fee is designated for the sole purpose of supporting the Student Center and is charged to all students taking classes at the San Luis Obispo Campus. The fee, which is not to exceed $10 per academic year, is based on the number of credits taken during this period at the rate of $1 per credit. An academic year consists of fall and spring semesters. It does not include the summer session.

Student Center Fee Exemptions

The Student Center Fee shall not apply to:
- Students enrolled in non-credit courses.
- Students who are recipients of the benefits under the Aid to Families with Dependent Children program, the Supplemental Security Income/State Supplemental Program, or the General Assistance program. To have the fee waived, a student must provide documentation of participation in these programs through the Financial Aid Office prior to registration.
- Students enrolled in courses at North County Campus or South County Centers only.

Student Representation Fee (Education Code Section 76060.5)

A vote of the students authorized the collection of a mandatory $1 Student Representation fee from every credit student each semester. Monies collected will be used by the student government to advocate and lobby for student legislative issues such as eliminating fee hikes, advocating for adequate childcare for student parents, and increasing state funding for community colleges. Other uses include leadership training, meeting with other student leaders and elected officials, and necessary supplies to support students in their advocacy and lobbying efforts.

The fee is charged during the registration process. A student may refuse to pay the fee for religious, political, financial, or moral reasons. Students must sign a waiver prior to registration. The fee is non-refundable once the semester begins. Forms are available in the Admissions and Records Office and the Cashier's Office at all campus locations. The form is also available on the Web at academic.cuesta.edu/admrreg/polforms.htm for students to print and complete. The form may be submitted to the Admissions and Records Office or faxed to (805) 546-3975.

This per-semester fee may be utilized by the ASCC to fund only those purposes listed above.

**NOTE: The Student Representation fee cannot be used to support individual candidates or campaigns.**

For further information, please contact your ASCC Representative at the San Luis Obispo campus Student Center, Building 5300.

Fee Payment Policy

All fees associated with the college must be paid at the time of walk-in registration. Fees may be paid by check, cash, or credit card (VISA, Discover, or MasterCard). Students registering online will have the option of paying immediately by credit card, by submitting payment to the Cuesta College Cashier, or using the online payment system within five working days. A $10 service fee will be charged for checks returned due to insufficient funds.

Students who register but are unable to attend, must drop their classes and request a fee refund. Students who drop classes are responsible for paying fees incurred based on the drop date, according to the Refund Policy. Refer to the fee schedule for refund dates. Cuesta College does not drop students from their classes for non-payment of fees; however, a delinquent-debt hold is placed on the student's records, which blocks class registration and access to student records and official transcripts.

Students enrolled in non-credit courses will not receive credits of credit or grades and are not charged enrollment, non-resident tuition, health, Student Representation, or Student Center fees. Some courses may have material fees that are due at registration. Parking and refund policies apply to students enrolled in non-credit courses.

REFUNDS

Students are responsible for dropping courses and initiating a written request for a refund. Requests for refunds will be considered according to the date the student submits the request and according to the refund policy. Request forms may be obtained from the Student Services Cashier and from the Cuesta College Website. A refund check will be mailed to the student within six to eight weeks from the date submitted.

A full refund includes enrollment, non-resident tuition (if applicable), health, ASCC Student ID Card, Student Center and student representation fee, material and parking fees (parking permit must be returned in usable condition). A partial refund includes enrollment and non-resident tuition.

There are no refunds for parking fees, material fees, Student Representation fee, ASCC fee, or health fee after the official first day of instruction each semester and summer session.

Refer to the current class schedule for specific deadlines.

Refund Policy
- Students will receive a full refund for any classes cancelled by the college or from which they are administratively dropped. Students must apply for these refunds.
- Students must apply for all eligible refunds
- Students will receive a refund for enrollment fees, less a $10 service fee for processing the refund.
- Non-resident students who withdraw during the second week of instruction will be refunded 100 percent of their non-resident fees.
- Requests for refunds will not be processed after the fourth week of instruction for 18-week courses. Courses must be dropped during the first two weeks of the semester for students to be eligible for a refund.
- If a student is erroneously determined to be a non-resident and pays non-resident fees, such fees will be refunded provided acceptable proof of California residence is presented within the period for which the fee was paid.
- For short-term courses (less than 18 weeks), no refunds are given after 10 percent of the class has been completed.
- Deadlines relate to fall and spring semesters only. See the summer session class schedule for specific summer session deadlines.

Refunds for Registration Fee Overpayment
In the event that a student overpays registration fees, the amount of the overpayment will be credited to the student’s account. The credit will be applied to any additional registration fees incurred in the event that the student adds classes.

If no additional fees are incurred, overpayment refunds will be automatically processed within six to eight weeks. Refunds will be mailed to the student’s address on file in the Admissions and Records Office.

RECORDS AND GRADING POLICIES

MAINTENANCE ALLOWANCE FOR STUDENTS FROM MODOC AND MONO COUNTIES

Students attending Cuesta College from Modoc and specific areas of Mono counties are eligible for a maintenance allowance if they maintain a permanent address in either county and all requirements are met.

For information about eligibility requirements, contact the Cuesta College Admissions and Records Office at (805) 546-3955.

RESTRICING STUDENT SERVICE - HOLDS

Cuesta College will block student access to service by placing holds when the student has not met their obligations for the following:
- Neglected to pay registration fees;
- Neglected to return library books or pay fines;
- Neglected to return equipment, uniforms or materials;
- Neglected to pay debt to the Student Health Center and/or Bookstore.

In most cases once the student returns the materials or pays the delinquent debt the hold will be released. Students may check their hold status through myCuesta.

Library Fines

Under authority of Section 72237 of the California Education Code, Cuesta College may withhold grades, transcripts, diplomas, and registration privileges from any student who fails to return books or materials to the library when due.

Students shall have their records released when they:
- Return books or materials
- Pay charges for books or library materials.

FAMILY EDUCATIONAL RIGHTS AND PRIVACY ACT (FERPA) — RELEASE OF INFORMATION

Student Rights under FERPA

The Family Education Rights and Privacy Act (FERPA) affords students certain rights with respect to their education records. These rights include:
- The right to inspect and review their own educational record.
- The right to seek to amend their own educational record. A student must make a written request to the Director of Admissions and Records at the San Luis Obispo campus and provide the names of the records they wish to review or amend. The administrator will respond with the timeframe and location for the materials to be reviewed.
- The right to have some control over the disclosure of information from their educational records. One exception permitting disclosure without consent is disclosure to school officials with legitimate educational interests. A school official is defined as a person employed by the College in an administrative, supervisory, academic or research, or support staff position (including law enforcement credit personnel and health staff); a person or company with whom the College has contracted as its agent to provide service instead of using College employees or officials (such as an attorney, auditor, or collection agent); a person serving on the Board of Trustees; or a person serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing his or her tasks. A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibilities for the College.
- The right to file a claim with the U.S. Department of Education concerning alleged failures by the College to comply with the requirements of FERPA. The name and address of the office that administers FERPA is:

Family Policy Compliance Office
U.S. Department of Education
400 Maryland Avenue, SW
Washington, D.C. 20202-5920

Electronic Files

The Family Educational Rights and Privacy Act does not differentiate between the medium of storage or the method of transmission. There is no legal difference between the level of protection afforded to physical files over those that are stored or transmitted electronically or in any other form.

Directory Information

At its discretion, Cuesta College may provide “directory information” in accordance with the provisions of the Family Education Rights and Privacy Act of 1974 (FERPA). Directory information is defined as that information that would not generally be considered harmful or an invasion of privacy if disclosed. Personal identifiers, such as student identification numbers or social security numbers, race/ethnicity, gender, religious preference grades, and GPA may never be designated as directory information. Cuesta College has identified the following elements as directory information:
- Name
- Field of Study
- Degrees and Certificates earned
- Dates of attendance
- Level of enrollment (number of credits)
- Participation in officially-recognized activities and sports

**TRANSCRIPTS**

Cuesta College Transcripts

A written or electronic request by the student is required to release transcripts. Official transcripts of Cuesta College records are available upon written request by the student to the Records Office.

Transcripts ordered electronically will be mailed within 3-5 working days from the date of request in most cases. An electronic notification will inform the student of the status of their transcript order and notify them of any holds. The fee for the electronic transcript request is $5.25 per copy. Transcripts ordered in-person and by mail will be mailed within 7-10 working days and cost $3 per copy after the first two free copies. Unofficial transcripts are available for viewing and printing through myCuesta on the Cuesta College website. Access to myCuesta requires the student identification number and password. Transcripts will not be produced for students who have a hold on their records.

Non-Native Transcript Evaluation

Official transcripts from all other institutions must be submitted to Cuesta College Records Office prior to enrollment. Lower division (freshman/sophomore level) coursework from regionally-accredited colleges and universities will be evaluated and may be transferred to Cuesta College to meet certificate requirements, degree requirements, and requirements for transfer certification. If non-native credits are from a college or university on the quarter system, these credits will be converted to semester credits (quarter credits/1.5=semester credits).

Non-native coursework will be evaluated based on regional accreditation standards using the grades received at that institution. Cuesta College considers a grade of C- as substandard and eligible for repetition.

Upon application for the associate degree or transfer certification, non-native coursework will be evaluated and may be transferred to Cuesta College Records Office prior to enrollment. Lower division coursework from regionally-accredited colleges and universities on the quarter system will be converted to semester credits (quarter credits/1.5=semester credits).

Grade Incomplete – Incomplete academic work for unforeseeable, emergency, and justifiable reasons. Condition for removal of the “I” shall be stated by the instructor in a written record with a copy to the student. The “I” must be made up before the end of the following regular semester or it will be considered as an “F” grade. The “I” symbol shall not be used in calculating credits attempted nor for grade points.

IP In Progress – The “IP” symbol shall be used to denote that the class extends beyond the normal end of an academic term. “IP” shall not be used in calculating grade point average.

Report Delayed – This symbol is assigned by the Director of Admissions and Records only. It is used when there is a delay in reporting grades due to circumstances beyond the control of the student. This is a temporary notation and is not used in calculating GPA.

W Withdrawal – The “W” symbol is assigned when a student officially withdraws between the beginning of the fourth and end of the twelfth week of instruction for full semester courses. For courses that are less than 18 weeks in length, withdrawal must be made during the first 20 percent of the course. (During summer sessions the withdrawal period extends through the fourth week of instruction.) Students who withdraw prior to the fourth week of instruction for full semester courses, or prior to the completion of the first 20 percent of the course for short courses, shall have no notation (“W” or any other) on their record. The academic record of a student who remains in a class beyond the twelfth week must reflect a symbol other than a “W.”

Military Withdrawal – The “MW” symbol is assigned when a student who is a member of an active or reserve United States military service receives orders compelling a withdrawal from courses. Upon verification of such orders, an “MW” may be assigned at any time after the twelfth week deadline for dropping classes. Military withdrawals shall not be counted in progress probation and dismissal calculations.

**GRADES**

Courses shall be graded using the grading symbols established by Title 5. Effective fall 2008, faculty may use the following evaluative letter-grading symbols:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Excellent</td>
</tr>
<tr>
<td>A-</td>
<td></td>
</tr>
<tr>
<td>B</td>
<td>Good</td>
</tr>
<tr>
<td>B-</td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>Average</td>
</tr>
<tr>
<td>C+</td>
<td></td>
</tr>
<tr>
<td>D</td>
<td>Less than satisfactory</td>
</tr>
<tr>
<td>D-</td>
<td></td>
</tr>
<tr>
<td>F</td>
<td>Failing</td>
</tr>
<tr>
<td>P</td>
<td>Passing (At least satisfactory C/2.0) – units awarded are not counted in GPA. “P” has the same meaning as “CR,” as that symbol was defined prior to fall 2008.</td>
</tr>
<tr>
<td>NP</td>
<td>No Pass (Less than satisfactory C/2.0) – units awarded are not counted in GPA. “NP” has the same meaning as “NC,” as that symbol was defined prior to fall 2008.</td>
</tr>
<tr>
<td>I</td>
<td>Incomplete – Incomplete academic work for unforeseeable, emergency, and justifiable reasons. Condition for removal of the “I” shall be stated by the instructor in a written record with a copy to the student. The “I” must be made up before the end of the following regular semester or it will be considered as an “F” grade. The “I” symbol shall not be used in calculating credits attempted nor for grade points.</td>
</tr>
<tr>
<td>IP</td>
<td>In Progress – The “IP” symbol shall be used to denote that the class extends beyond the normal end of an academic term. “IP” shall not be used in calculating grade point average.</td>
</tr>
<tr>
<td>RD</td>
<td>Report Delayed – This symbol is assigned by the Director of Admissions and Records only. It is used when there is a delay in reporting grades due to circumstances beyond the control of the student. This is a temporary notation and is not used in calculating GPA.</td>
</tr>
<tr>
<td>W</td>
<td>Withdrawal – The “W” symbol is assigned when a student officially withdraws between the beginning of the fourth and end of the twelfth week of instruction for full semester courses. For courses that are less than 18 weeks in length, withdrawal must be made during the first 20 percent of the course. (During summer sessions the withdrawal period extends through the fourth week of instruction.) Students who withdraw prior to the fourth week of instruction for full semester courses, or prior to the completion of the first 20 percent of the course for short courses, shall have no notation (“W” or any other) on their record. The academic record of a student who remains in a class beyond the twelfth week must reflect a symbol other than a “W.”</td>
</tr>
<tr>
<td>MW</td>
<td>Military Withdrawal – The “MW” symbol is assigned when a student who is a member of an active or reserve United States military service receives orders compelling a withdrawal from courses. Upon verification of such orders, an “MW” may be assigned at any time after the twelfth week deadline for dropping classes. Military withdrawals shall not be counted in progress probation and dismissal calculations.</td>
</tr>
</tbody>
</table>

**Grade Changes**

After a grade has been issued, only the instructor has the authority to change the grade per California Education Code Section 76224. A student wishing to have a posted grade changed must submit appropriate documentation to the instructor who issued the grade and must request that the grade be changed. Based on an evaluation of the student’s progress in the course and the documentation, the instructor may or may not change the grade. Grade changes must be delivered to the Office of the Director of Admissions and Records by the instructor.
There is a deadline of six months from the date that the grade is posted to initiate a grade change.

Course Grades

Grades are available for viewing within Cuesta College’s student portal, myCuesta, four weeks after the last day of the term. Grades are not sent to students. Students may submit a self-addressed, stamped envelope to the Admissions and Records Office to have grades mailed to them, or they may access their grades via Cuesta College’s myCuesta.

Pass/No Pass

- A student may select “pass/no pass” (formerly credit/no credit) through the fourth week of instruction for 18-week courses or, if the course is less than 18 weeks in duration, within the first 20 percent of the course. Students may change back to a letter grade prior to the fourth week or 20 percent deadline. After the fourth week or 20 percent deadline, students may not reverse their pass/no pass grading decision.
- No more than 12 credits of “pass/no pass” may be applied toward the Associate in Arts or Associate in Science degree.
- Courses listed in the schedule as “pass/no pass” grading option may be taken only once for “pass/no pass.” The student may, however, repeat the course for a letter grade.
- Students shall receive a “P” (pass) if, at the end of the semester, a grade of “C” (2.0) or better is earned. The “P” shall, when recorded, add credits completed but shall have no effect on the grade point average.
- Students performing unsatisfactorily (at less than C/2.0) shall receive a “NP” (no pass) which, when recorded, will not increase credits completed and will not be used to calculate the grade point average. However, credits attempted for which an “NP” is recorded shall be considered in academic progress calculations to determine probation and dismissal status.
- Students may only select one course per semester on the “pass/no pass” option. Some courses are graded only on a “pass/no pass” basis. Enrollment in these courses will not affect the student’s right to select one additional class within the guidelines listed above.
- Students repeating a course in which a substandard grade was earned may not request a repeat discount if the pass/no pass grading option was selected for the second attempt.

ACADEMIC RENEWAL REGULATIONS

Cuesta College recognizes that a student may have completed academic coursework at an institution of higher learning that is not reflective of the student’s present scholastic ability. The college also believes that there is merit in allowing students a chance for “academic renewal” so they are not unduly penalized in their educational pursuits for past substandard performance. Cuesta College provides the opportunity for academic renewal as follows:

Course Repetition: Substandard Work (California Education Code Title 5, section 55040):

- Students who have received a grade of “D” or “F” may repeat the course and receive a new grade and the credits attempted.
- Courses listed on the schedule with a “pass/no pass” grading option may be taken only once for “pass/no pass.” The student may, however, repeat the course for a letter grade.
- In any course repetition, the last grade recorded will be used in calculating the grade point average. When course repetition occurs, the permanent record shall be annotated in such a manner that all work remains legible, thus ensuring a true and complete academic history.
- Students who receive a substandard grade (less than C/2.0) in a course at Cuesta College may repeat the equivalent course at another accredited college or university. Once the course is complete, an official copy of that institution’s transcript, with the repeated grade, must be submitted to Cuesta College’s Records Office. A petition for course repetition must be submitted with that information as well. The Cuesta College course with the substandard grade will be discounted from the student’s Cuesta College grade point average. The student’s permanent academic record will be annotated in such manner that all work remains legible and the repetition information is clear. Cuesta College honors the repetition actions of other accredited colleges and universities as noted on their official transcripts when determining the transfer of a student’s credits.

Restriction on Course Repetition for which Substandard Work Has Been Recorded

Students may not register for a course in which they received an unsatisfactory course grade (D, F, W, or NP) more than three times. Students will be barred from registering in the course until the student:

- obtains a Request to Exceed Repeat Limit form from the Admissions and Records Office;
- meets with a counselor to develop a remediation plan noted on the form;
- receives approval on the form from a counselor or an instructor; and
- receives approval on the form from the Director of Admissions and Records at the San Luis Obispo Campus or the Executive Dean of the North County Campus.

Repetition of Courses for which Substandard Work Has NOT Been Recorded (California Education Code Title 5, Section 55041)

- Students who have previously received a grade of “C” or better may repeat the course if special circumstances exist that justify such repetitions. The grade awarded for courses repeated under this section may not be counted in calculating a student’s grade point average and credits.
- When course repetition under this section occurs, the student’s permanent academic record shall be annotated in such a manner that all work remains legible.

To exercise this option students must file a Request to Repeat a Course with a Grade of ‘C’ or Better form with the Admissions and Records Office after it has been approved by an instructor or counselor. The petition must be approved prior to enrollment.

Academic Renewal Through Alleviation of Courses without Course Repetition (California Education Code Title 5, Section 55044)

- Past coursework in which substandard grades (less than C/2.0) were received may be alleviated (disregarded) from the student’s grade point average if the work is not reflective of the student’s present level of scholastic performance.
- A minimum of two years must have lapsed since the completion of the term to be alleviated. The policy may apply to no more than two semesters of substandard coursework, and the student may receive academic renewal only one time.
- To alleviate course work, the student must have completed a minimum of:
  - 15 semester credits with at least a 3.0 GPA, or
  - 30 semester credits with at least a 2.5 GPA, or
  - 45 semester credits with at least a 2.0 GPA.
- The student must file a Course Alleviation form with the Admissions and Records Office. If the course alleviation is
approved by a counselor and the Director of Counseling Services, the alleviated course work will be noted as such on the student's permanent record by the Admissions and Records Office.

- Courses taken at another accredited college or university, indicating substandard performance, are eligible for course alleviation as mentioned above. Course work alleviated from transfer institutions will apply only to graduation requirements from Cuesta College. Cuesta College is unable to alleviate work from any other institution's records for the purpose of transferring to another college or university.

**ACADEMIC PROBATION AND DISMISSAL**

Students who earn unsatisfactory grades may jeopardize their enrollment at Cuesta College. Academic achievement is monitored during the fall and spring semesters excluding summer session. A student is placed on academic probation at the end of a semester if the student's semester grade point average is less than 2.0, or “C-average,” on a four-point scale.

A student who earns less than a 2.0 GPA for two consecutive semesters is subject to dismissal from the college. For the purpose of this section, semesters are considered consecutive on the basis of the student's pattern of enrollment. For example, a student earning less than a 2.0 in fall 2006 and fall 2007 would be subject to dismissal if the student did not attend Cuesta during Spring 2008.

Dismissed students are not allowed to attend the subsequent semester. They must "sit out" for one full semester before regaining eligibility for enrollment.

To appeal academic dismissal, the student must attend a reinstatement workshop and sign a reinstatement contract identifying the remedial actions they must complete in order to remain enrolled. The student shall be removed from Academic Dismissal when the semester GPA earned is 2.0 or higher. If the student does not comply with the terms of the contract, the student will be required to "sit out" one semester.

**PROGRESS PROBATION AND DISMISSAL**

Students who fail to complete courses in which they enroll may jeopardize their enrollment at Cuesta College. Academic progress is monitored during the fall and spring semesters excluding summer session. A student enrolled in a total of 12 credits at Cuesta College is placed on progress probation at the end of a semester if the percentage of all Cuesta College credits in which a student has enrolled, for which entries of “W,” “I,” and “NP” are recorded, reaches or exceeds 50 percent.

A student on progress probation due to an excess of credits for which entries of “W,” “I,” and “NP” are recorded, reaches or exceeds 50 percent.

A student placed on progress probation for the third consecutive semester is subject to dismissal from the college.

To appeal progress dismissal, the student must attend a reinstatement workshop and sign a reinstatement contract identifying the remedial actions a student must complete in order to remain enrolled. If the student does not comply with the terms of the contract, the student will be required to "sit out" one semester.

Contact the Office of the Director of Admissions and Records for additional information.

**SCHOLASTIC ACKNOWLEDGMENTS**

**Academic Honor List**

Students who enroll and complete 12 or more credits and earn a 3.25 grade point average with no grade lower than a “C” will be placed on the Academic Honor List. The student's academic record at Cuesta College will be annotated to reflect this achievement. Students who qualify are notified by letter from the Vice President of Student Services. The achievement is posted under the qualifying semester on the student's academic transcript.

Students in the Registered Nursing Program may make the Academic Honor List using the criteria listed above; however, due to the number of contact hours in this program, an R.N. student will be considered when enrolled in 11 or more credits.

**Graduating With Honors**

Students who meet the requirements for graduation with a cumulative grade point average of 3.5 to 3.74 qualify for honors recognition. The graduation grade point average is based on all degree applicable coursework completed at all postsecondary institutions through the term degree requirements are completed. This acknowledgement is posted on the student's diploma and on the academic transcript. Students receiving honors are recognized at commencement with a green cord.

**Graduating With High Honors**

Students who meet the requirements for graduation with a cumulative grade point average of 3.75 to 4.0 qualify for high honors recognition. The graduation grade point average is based on all degree applicable coursework completed at all postsecondary institutions through the term degree requirements are completed. This acknowledgement is posted on the student's diploma and on the academic transcript. Students receiving high honors are recognized at commencement with a white cord.

**Alpha Gamma Sigma (AGS) Honor Society**

Alpha Gamma Sigma (AGS) is a state-wide community college student honor society with the purpose of fostering, promoting, maintaining, and recognizing scholarship. In addition, AGS members develop character and civic responsibility through service to AGS, the college, and the community. The Gamma chapter at Cuesta College provides its membership scholarship opportunities, social activities, and leadership-building skills. Membership is based on grade point average. More information may be obtained from the Student Life and Leadership Office. Recognition of AGS membership is posted on Cuesta transcripts. Students with AGS membership are recognized at commencement with a gold cord.

**STUDENT COMPLETION AND TRANSFER RATES**

In four decades of service to the community, Cuesta College has helped thousands of students reach a wide variety of educational goals, including completion of associate degrees, completion of certificate programs, and successful transfer to four-year institutions.

In compliance with the Student-Right-to-Know (SRTK) and Campus Security Act of 1990 (Public Law 101-542), it is the policy of the San Luis Obispo County Community College District and Cuesta College to make available its completion and transfer rates to all current and prospective students. Beginning in Fall 2004, 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
below. These rates do not represent the success rates of the entire student population at Cuesta College, nor do they account for student outcomes occurring after this three-year tracking period.

Based upon the cohort defined above, 31.28% percent attained a certificate or degree or became ‘transfer-prepared’ during a three-year period, from Fall 2004 to Spring 2007. Students who are ‘transfer-prepared’ have completed 60 transferable credits with a GPA of 2.0 or better.

Based on the cohort defined above, 30.04% percent transferred to another postsecondary institution, prior to attaining a degree, certificate, or becoming ‘transfer-prepared’ during a five-semester period, from Spring 2005 to Spring 2007.

REGISTRATION

OPEN CLASSES

It is the policy of Cuesta College to offer classes to any person who has been admitted and who meets course prerequisites as officially approved by the State of California, the local Board of Trustees, or the California Education Code Title 5.

CLASSIFICATION OF STUDENTS

Freshman: A student with less than 30 semester credits of college credit

Sophomore: A student who has completed 30 or more semester credits of college credit

Full-time: A student enrolled for 12 or more credits (Fall, Spring semester)

Part-time: A student enrolled for four or more credits summer session

Enrichment Student: A non-high school graduate under 18 years of age who is concurrently attending high school and Cuesta College.

PRIORITY REGISTRATION POLICY

Registration into Cuesta College courses begins in June for the fall semester, November for spring semester, and April for summer session. Cuesta College registration is available primarily over the web through myCuesta. Walk-in registration dates are scheduled prior to the start of each new term.

First-time college students are encouraged to attend an assessment of English and math skills and an orientation prior to registering in Cuesta College courses.

Access to registration is based on Cuesta College Board Policy 6009 shown below.

The Priority Registration Policy regulates the availability of limited class space in a fair manner to facilitate the registration process.

Board Policy 6009 Priority Registration

To regulate the availability of limited class space, provide for fairness, and facilitate the registration process, procedures to provide priority registration for students on the basis of need are required. The following list identifies priority registration access:

PRIORITY 1: Applicants for graduation who are continuing Cuesta College students and will complete remaining degree or certificate requirements within the semester. (Students receive one-time only priority in this classification.)

PRIORITY 2: Graduating seniors from local high schools who are processed through matriculation and apply by the application deadline (fall only).

PRIORITY 3: Documented eligible students participating in Disabled Student Program and Services (DSPS), Extended Opportunity Programs and Services (EOPS), Veterans and Veterans’ dependents receiving VA benefits to attend Cuesta College, CalWORKs Program, students participating in Intercollegiate Athletics during the semester of active team participation, ASCC leaders, students in the Re-entry Program, Pre-nursing Program, students serving as Facilitator Assisted Learning (FAL) facilitators, student employees, staff, faculty, retired faculty and staff having earned emeritus distinction; and dependent children, spouses, and partners of faculty or staff.

PRIORITY 4: Continuing Cuesta College students will receive priority registration based on the total number of Cuesta College credits completed. Credit increments:

4.1 Equal to or greater than 48.0 credits.

4.2 Equal to or greater than 24.0 credits and less than 48.0 credits.

4.3 Equal to or greater than 12.0 credits and less than 24.0 credits.

4.4 Less than 12.0 credits.

PRIORITY 5: First-time students, including high school enrichment and new re-entry students, processed through matriculation and who apply by the application deadline.

PRIORITY 6: First-time, returning, and transfer students who apply for admission and register during open access registration periods.

ATTENDANCE

Normal progress and successful completion of scholastic work depends upon regular attendance. Students are expected to attend all classes and laboratories for which they are registered. Instructors set an attendance policy for each class, and it is the student’s responsibility to know and comply with each one. Instructors may drop a student from a class for infractions of the attendance policy. (To assure a seat in the class, students are advised to attend the first class session.)

It is the student’s responsibility to officially withdraw from a course which the student is no longer attending. Failure to officially withdraw from a class may result in an “F” or failing grade. The “F” will be considered a valid grade and can only be changed by the instructor.

STUDENT COURSE LOAD

A full-time student is a student who is enrolled in a minimum of 12 credits per semester (four credits per summer session). Students enrolled in fewer than 12 credits are considered to be less than full-time. Students are limited to a maximum of 19 credits during the fall and spring semesters (nine credits during the summer session), including both day and evening classes. To take more than the maximum number of credits, a student must have an outstanding academic record and must obtain approval from a counselor before registering.
**SERVICES**

**INSTRUCTIONAL PERIOD DROP DEADLINE**

A student may drop a class with a “W” grade before 60 percent of summer session courses or within the first 20 percent of the class for short courses and is processed by the fourth Friday of the semester for regular semester courses. Students must drop their courses on the web through myCuesta or complete the appropriate forms to the Admissions and Records Office by the deadline, with instructor approval.

**AUDITING**

Auditing is permitted in classes on a space-available basis only. Admission applications are not required. Instructor approval is required. Students who audit earn no credits or grades. Audit Forms are available at any Cuesta campus in the Admissions and Records, Cashier, or Student Services offices.

Audit fees are $15 per audit credit plus any course fee listed in the class schedule. Students enrolled in ten credits or more receive the first three audit credits free. Students wishing to audit must delay payment of fees to add a class. Audit payments may be submitted to the Cashier’s Office at the San Luis Obispo or North County campuses.

**WITHDRAWAL FROM COLLEGE AND DROPPING OF COURSES**

Any student leaving the college after registering must officially withdraw from the institution. To obtain a withdrawal from the college, a student must drop their courses on the web through myCuesta or complete the appropriate forms provided in the Admissions and Records Office, and submit them for processing.

A student may drop a class without receiving a “W” grade if the drop is processed by the fourth Friday of the semester for regular semester courses or within the first 20 percent of the class for short courses and summer session courses.

A student may drop a class with a “W” grade before 60 percent of the semester or session has been completed.

**INSTRUCTIONAL PERIOD DROP DEADLINE**

- **Fall/spring semester**: End of twelfth week
- **Summer session**: End of fourth week
- **Short course**: 60 percent of the length of short course

Thereafter, a grade other than a “W” must be awarded, and an “F” is likely if the student has not arranged with the instructor to complete minimum course requirements. Drop forms are available in the Admissions and Records Office at any campus location and on the Cuesta College web site.

Withdrawal from classes after the end of the twelfth week may be made based on extenuating circumstances up on petition to the Admissions and Records office and with appropriate valid documentation. Extenuating circumstances are verified cases of accidents, illnesses, or other circumstances beyond the control of the student (California Code Title 5, Section 55758).

**Military Withdrawal**

Military withdrawal occurs when a student who is a member of an active or reserve United States military service receives orders compelling withdrawal from courses. The student must verify such orders at the time of the withdrawal. Students withdrawing under this college policy will receive a grade of “MW” for each course from which they withdraw and shall be entitled to a full refund of all enrollment fees paid to the college unless academic credit has been awarded.

**OFFICIAL TRANSCRIPTS**

All applicants pursuing degrees, certificates, Financial aid, or transfer must submit official transcripts of all prior high school and college work. Transcripts are to be forwarded to the Cuesta College Admissions and Records Office.

Transcripts submitted to the college are considered property of Cuesta College and will not be released to students or other colleges or agencies.

**PREREQUISITES AND COREQUISITES**

The purpose of prerequisites, corequisites and advisories is to enhance a student’s chance of success in a desired course. A prerequisite is a course (or equivalent skill or prior experience) that a student must pass (or must possess) before enrolling in a more advanced course. A corequisite is a course in which a student must enroll at the same time as (or before) enrolling in the desired course. Successful completion of a prerequisite is achieved by a final course grade of “C” or better. An advisory is a course that a student is encouraged (but not required) to take before enrolling in a more advanced course. In addition, some courses — such as music performance, intercollegiate athletics, and honors programs — limit enrollment based on an audition or other screening procedure.

**Transcript Evaluation - Prerequisites**

To enroll at Cuesta College, two copies of a high school and/or college transcript (if any) should be obtained at least two weeks before registration for classes. One copy must be an official (sealed) copy and is to be submitted to the Admissions and Records Office. This copy will be retained by the college and cannot be released again to the student or another institution.

An unofficial copy (not sealed in envelop) is to be hand-carried by the student to all advising and walk-in registration activities to validate that the necessary prerequisite courses have been met with a “C” grade or better. Students are strongly advised NOT to rely on forwarded transcripts the final few weeks before class begins. In such cases, the student should contact Counseling Services at the San Luis Obispo Campus, (805) 546-3138, or at the North County Campus, (805) 591-6225; or the Evaluations Office, (805) 546-3141, to clear any prerequisites. The student may need to provide a copy of the course description from the catalog of a private college or out-of-state college.

**Prerequisite/Corequisite Challenge for Continuing Students**

Continuing students will be allowed to enroll in an advanced course, without a Challenge Petition, if they are currently enrolled at Cuesta College in the required prerequisite for that course. If the student fails to receive a grade of “C” or higher in that prerequisite course, the student must drop the advanced course and reregister in the prerequisite course. If the student neglects to drop the advanced course, the student will be administratively dropped from the advanced course.

Students wishing to reenroll (repeat) in the prerequisite course will need to complete a Petition to Repeat a Substandard Course to gain access to register for the course. This petition will discount the grade received in the initial class on the repeated course at the end of the term.
Prerequisite/Corequisite Challenge Procedures

Students have the right to challenge course prerequisites. They have the responsibility to provide documentation to support their challenge.

A Prerequisite/Corequisite Challenge requires a written explanation of alternative course work (background or abilities) which, in the student’s opinion, adequately prepares the student for the course.

A Prerequisite/Corequisite Challenge form can be obtained from the Admissions and Records Office on the San Luis Obispo campus and the Student Services Office on the North County campus.

Reasons for challenging a prerequisite/corequisite may include one or more of the following:

• A prerequisite/corequisite is not reasonably available to a student with a Student Educational Plan (SEP). Reasonably available is defined as any open seat(s) in any scheduled course within the last two semesters.
• The student believes the prerequisite was established in violation of state regulations or in violation of the district-approved prerequisite/corequisite process.
• The student believes the prerequisite/corequisite is discriminatory or being applied in a discriminatory manner. Discriminatory is defined as prerequisites/corequisites being arbitrarily enforced with some group(s) of students and not with other(s) or having a disproportionate impact on a particular group of students.
• The student has the documented knowledge based upon a multiple measure assessment (certificate of proficiency, transcript, syllabus, or copies of exams/challenge examination) of ability to succeed in the course without meeting the listed prerequisite(s).
• A student is completing work at another institution for which final grades are not yet available. The student must provide proof of enrollment. The student may enroll in the class by submitting the Prerequisite Challenge form in advance of accessing myCuesta online registration or at the walk-in registration activity. The student will be dropped from the course if the minimum grade required is not met and/or the transcript with minimum grade is not submitted and verified by the deadline date.

For additional information concerning the prerequisite/corequisite/advisory course process, contact the Director of Counseling, (805) 546-3147, or make an appointment at the Counseling Department.

Upon filing a “Prerequisite/Corequisite Challenge” form, the student may enroll in the challenged class once the form is processed. The student takes responsibility for enrolling in the challenged class online by presenting this form at walk-in registration activity. The student will be dropped if the transcripts and/or grades requested are not submitted by the deadline date or if the transcripts/grades submitted reflect that the prerequisite was not met.

Remedial Course Work Limitation

A waiver of the limitation on remedial course work may be provided to any student who shows significant measurable progress toward the development of skills appropriate to the student’s enrollment in college-level courses. Measurable progress is defined by transcripts, pre- and post-test measures, demonstrated progress toward an educational goal sustaining progress of education or social goals and objectives as documented in a Student Educational Plan (SEP). If a waiver is granted, its duration should not exceed one academic year and would normally be of one semester's duration.

Students enrolled in one or more courses of English as a Second Language (ESL) or students identified by the district as having a learning disability are exempt from the 30-semester-credit limitation (California Education Code Title 5, Section 55756.5).

Final Examinations

Final examinations will be given in all courses at the end of each semester, short course, or summer session. Dates and times are listed in the schedule of classes and on the Cuesta College website.

District Policies and Regulations

Student Responsibility

Students are held individually responsible for the information contained in the Cuesta College Catalog and in the Student Code of Conduct.

Failure to read and comply with college regulations will not exempt students from whatever penalties they may incur.

Nondiscrimination in District/College Programs

Unlawful Discrimination Procedures

The policy of the San Luis Obispo County Community College District to provide an educational and employment environment in which no person shall be unlawfully denied full and equal access to the benefits of or be unlawfully subjected to discrimination on the basis of ethnic group identification, national origin, religion, age, sex, race, color, ancestry, sexual orientation, or physical or mental disability in any program or activity that is administered by, funded directly by, or that receives any financial assistance from the State Chancellor or Board of Governors of the California Community Colleges.

The policy of the San Luis Obispo County Community College District is to provide an educational and employment environment free from unwelcome sexual advances, requests for sexual favors, and other verbal or physical conduct or communications constituting sexual harassment.

Employees, students, or other persons acting on behalf of the District who engage in unlawful discrimination as defined in this policy or by state or federal law may be subject to discipline, up to and including discharge, expulsion, or termination of.

Retaliation

It is unlawful for anyone to retaliate against someone who files an unlawful discrimination complaint, who refers a matter for investigation or complaint, who participates in an investigation of a complaint, who represents or serves as an advocate for an alleged victim or alleged offender, or who otherwise furthers the principles of this unlawful discrimination policy.

principles of this unlawful discrimination policy.

It is unlawful for anyone to retaliate against someone who files a sexual harassment or other unlawful discrimination complaint, who participates in an investigation of a complaint, who represents or serves as an advocate for an alleged victim or alleged offender, or who otherwise furthers the principles of this unlawful discrimination policy.

principles of this unlawful discrimination policy.

SEXUAL HARASSMENT R1575

DEFINITION

“Sexual harassment” means 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 workplace or in the educational setting, and includes but is not limited to:

1. Making unsolicited written, verbal, physical, and/or visual contacts with sexual overtones. (Examples of sexual harassment which appear in a written form include, but are not limited: to suggestive or obscene letters, notes, invitations. Examples of verbal sexual harassment include, but are not limited to: leering, gestures, display of sexually aggressive objects or pictures, cartoons, or posters.)

2. Continuing to express sexual interest after being informed that the interest is unwelcome.

3. Making reprisals, threats of reprisal, or implied threats of reprisal following a rebuff of harassing behavior. The following are examples of this type of sexual harassment within the work place: implying or actually withholding grades earned or deserved; suggesting that a poor performance evaluation will be written; or suggesting that a scholarship recommendation or college application will be denied.

4. Engaging in explicit or implicit coercive sexual behavior within the work environment which is used to control, influence, or affect the employee's career, salary, and/or work environment.

5. Engaging in explicit or implicit coercive sexual behavior within the educational environment that is used to control, influence, or affect the educational opportunities, grades, and/or learning environment of a student.

6. Offering favors or educational or employment benefits, such as grades or promotions, favorable performance evaluations, favorable assignments, favorable duties or shifts, recommendations, reclassifications in exchange for sexual favors.

Procedures

Procedures for investigating complaints shall be the same as those outlined in Board Policy 1565 Unlawful Discrimination Grievance Procedure.

Authority: Cal. Code Regs., Title 5, § 59311; Revised Sexual Harassment Guidance: Harassment of Students by School Employees, Other Students, or Third Parties, Title IX, Office of Civil Rights, January 19, 2001.

(Approved: 7/31/81)

(Revised: 10/6/87, 5/4/88, 11/20/91, 10/3/01)

SEXUAL ASSAULT 1580

Cuesta College is committed to maintaining a safe campus, a campus free of violence and the threat of violence. All persons who come onto the campus or onto any facility maintained by the college are expected to treat others with respect and consideration.

Cuesta College will not tolerate any physical or sexual assault or threat.
of assault, including acquaintance rape, on its campus or at facilities maintained by the college. Where there is probable cause to believe that the college's regulations prohibiting sexual assault have been violated, the college will pursue vigorous investigative action through its own channels. Disciplinary actions include the possibility of suspension or dismissal from the college.

A student or employee charged with sexual assault can be prosecuted under California penal code statutes and disciplined under the college's Code of Student Conduct and board policy. Even if the criminal justice authorities choose not to prosecute, the college can pursue disciplinary action.

Cuesta College is committed to doing everything within its power to prevent sexual assaults from occurring and disciplining assailants when rape or other assault occurs on campus property or at college-sponsored events, and to provide prompt and compassionate services to students, faculty and staff who are raped or otherwise sexually assaulted. The college is further committed to ensuring that students, faculty, and staff are not adversely affected for bringing forward a charge of rape or sexual assault.

In order to provide a safe environment for students, faculty, staff, and guests, the college has established a multifaceted program composed of response procedures, prevention and education guidelines, services for victims, and sanctions.

(Approved: 12/8/93)

**SUMMARY OF YOUR RIGHTS TO SEEK AN INFORMAL RESOLUTION OR FILE A FORMAL COMPLAINT OF DISCRIMINATION OR SEXUAL HARASSMENT**

(This is only a summary; please see Board Policy 1565 and 1575)

**INFORMAL RESOLUTION OR FORMAL COMPLAINT PROCEDURE:**

1. You have the right to request that the charges be resolved informally, at which time the District will undertake efforts to informally resolve the charges. To start the informal resolution process, please contact the Executive Director of Human Resources and Labor Relations in the administration building, room 8003, or by phone at (805) 546-3129.
2. You do not need to participate in informal resolution;
3. You have the right to file a formal complaint (see below for the procedure in doing so);
4. You will not be required to confront or work out problems with the person accused of unlawful discrimination;
5. You may file a non-employment-based complaint with the Office for Civil Rights of the U.S. Department of Education (OCR) where such a complaint is within that agency's jurisdiction.
6. If your complaint is employment-related, you may file a complaint with the U.S. Equal Employment Opportunity Commission (EEOC) and/or the California Department of Fair Employment and Housing (DFEH) where such a complaint is within that agency's jurisdiction.

**PURPOSE OF THE INFORMAL RESOLUTION PROCESS**

The purpose of the informal resolution process is to allow an individual who believes she/he has been unlawfully discriminated against to resolve the issue through a mediation process rather than the formal complaint process. Typically, the informal resolution process will be invoked when there is a simple misunderstanding or the complainant does not wish to file a formal complaint. An informal resolution may require nothing more than a clarification of the misunderstanding or an apology from the respondent and an assurance that the offending behavior will cease. You will be notified of the proposed informal resolution proposed by the District.

If you pursue the informal resolution process, you should note the following important points:

1. You will need to sign a document which indicates that you have selected the informal resolution process.
2. The District will complete its investigation within the time required by Board Policy 1565 unless you voluntarily rescind your complaint prior to completion.
3. Selecting the informal resolution process does not prevent you from later deciding to file a formal complaint (subject to all of the rules for filing a formal complaint). For example, if you are not satisfied with the outcome of the informal resolution process (including the District's proposed resolution), you may elect to file a formal complaint.

**HOW TO FILE A FORMAL DISCRIMINATION COMPLAINT:**

1. A FORMAL COMPLAINT MUST BE INITIATED BY FILLING OUT THE ATTACHED FORM APPROVED BY THE STATE CHANCELLOR'S OFFICE. That form is attached as the last page of board policy 1565, and has the title heading of “Unlawful Discrimination Complaint Form.” YOU MUST SEND THAT COMPLETED FORM TO EITHER:
   • SAN LUIS OBISPO COUNTY COMMUNITY COLLEGE DISTRICT, ATTN: EXECUTIVE DIRECTOR OF HUMAN RESOURCES AND LABOR RELATIONS, ADMINISTRATION BUILDING, ROOM 8003, SAN LUIS OBISPO, CA 93403-8106;
   OR
   • CHANCELLOR'S OFFICE, CALIFORNIA COMMUNITY COLLEGES, 1102 Q STREET, SACRAMENTO, CALIFORNIA 95814-6511, ATTENTION: LEGAL AFFAIRS DIVISION
2. The complaint must allege unlawful discrimination prohibited under Title 5, section 59300.
3. The complaint must be filed by one who alleges that he or she has personally suffered unlawful discrimination or by one who has learned of such unlawful discrimination in his or her official capacity as a faculty member or administrator.
4. In any complaint not involving employment, the complaint must be filed within one year of the date on which the complainant knew or should have known of the facts underlying the specific incident or incidents of alleged unlawful discrimination.
5. In any complaint alleging discrimination in employment, the complaint shall be filed within 180 days of the date the alleged unlawful discrimination occurred, except that this period will be extended by no more than 90 days following the expiration of that 180 days if the complainant first obtained knowledge of the facts of the alleged violation after the expiration of 180 days.

**WHAT HAPPENS WHEN A FORMAL DISCRIMINATION COMPLAINT IS FILED?**

The District will then complete an “Administrative Determination.” Within 90 days of receiving an unlawful discrimination complaint filed under Title 5, sections 59300 et seq., the District will complete the investigation and forward a copy of the investigative report (containing the administrative determination) to the State Chancellor, a copy or summary of the report to the complainant, and written notice setting
forth all the following to both the complainant and the State Chancellor:

1. The determination as to whether there is probable cause to believe discrimination occurred with respect to each allegation in the complaint;
2. A description of actions taken, if any, to prevent similar problems from occurring in the future;
3. The proposed resolution of the complaint; and
4. The complainant's right to appeal to the District Board of Trustees and the State Chancellor.

**SEXUAL ASSAULT (BOARD POLICY 1580)**

Cuesta College is committed to maintaining a safe campus, a campus free of violence and the threat of violence. All persons who come onto the campus or onto any facility maintained by the college are expected to treat others with respect and consideration.

Cuesta College will not tolerate any physical or sexual assault or threat of assault, including acquaintance rape, on its campus or at facilities maintained by the college. Where there is probable cause to believe that the college’s regulations prohibiting sexual assault have been violated, the college will pursue vigorous investigative action through its own channels. Disciplinary actions include the possibility of suspension or dismissal from the college.

A student or employee charged with sexual assault can be prosecuted under California penal code statutes and disciplined under the college’s Code of Student Conduct and board policy. Even if the criminal justice authorities choose not to prosecute, the college can pursue disciplinary action.

Cuesta College is committed to doing everything within its power to prevent sexual assaults from occurring and disciplining assailants when rape or other assault occurs on campus property or at college-sponsored events, and to provide prompt and compassionate services to students, faculty and staff who are raped or otherwise sexually assaulted. The college is further committed to ensuring that students, faculty, and staff are not adversely affected for bringing forward a charge of rape or sexual assault.

In order to provide a safe environment for students, faculty, staff, and guests, the college has established a multifaceted program composed of response procedures, prevention and education guidelines, services for victims, and sanctions.

**AUTHORITY OF INSTRUCTOR**

The Board of Trustees shall establish rules and regulations for student conduct while on campus and/or engaged in any college-sponsored activity.

The Vice President of Student Services shall be responsible for enforcing rules and regulations for all activities of students at times and places when students are under college jurisdiction, except that individual teachers are given the power to suspend students for good cause for the remainder of the subject school day, plus up to one additional class meeting. The Vice President of Student Services or designee is responsible for administering disciplinary functions.

All students are expected to conduct themselves in an acceptable manner while on campus or at off-campus sites and when representing Cuesta College in any off-campus activity. Specific rules and regulations, and applicable penalties for violation of the Student Code of Conduct (California Education Code Title V, sections 66300, 76030, and 76033), are provided in this section. Each student has the responsibility to be aware of college regulations.

**Scope of Application**

These rules apply to all actions of students of the college on District property and at all activities sponsored by the college or registered student organizations, whether occurring on or off the campuses or other instructional sites.

**Standard of Conduct**

Students attending Cuesta College assume an obligation to conduct themselves in a manner compatible with the Student Code of Conduct and Academic Honesty Regulations, and the Student Computer Technology Access Agreement.

An instructor may remove a student for good cause from his or her class for the day of removal and the next class meeting (Educational Code 76032 and 76033). The instructor shall immediately report the removal to the Vice President of Student Services for appropriate action. During the period of removal, a student shall not be returned to the class from which her or she was removed without the concurrence of the instructor of the class.

An instructor may drop from class a student who is neglecting the work of the course.

**STANDARD OF CONDUCT (BOARD POLICY 6200)**

**Student Code of Conduct**

The following examples of conduct are considered unacceptable and shall constitute just cause for discipline including but not limited to removal, suspension or expulsion of a student.

1. Dishonesty, including, but not limited to, cheating, plagiarism, or knowingly furnishing false information to the college;
2. Forgery, alteration, or misuse of college documents, records, or identification;
3. Disrupting, obstructing, or interfering with instructional, administrative, disciplinary, or other functions or activities of the college;
4. Physical abuse, threat, or assault of any person on District-owned or controlled property or at college-sponsored or supervised functions; or conduct which threatens or endangers the health or safety of any such person;
5. Stealing, damaging, or attempting to steal, or to damage District property or private property on District facilities or knowingly receiving stolen District property or private property on campus.
6. Unauthorized entry into or occupancy of any buildings or other facilities owned, rented, leased by, or otherwise under the control of the college;
7. Unauthorized possession or use of any personal property or equipment of the college;
8. Violation of college policies or of campus regulations, including, but not limited to, campus regulations concerning student organizations, the use of college facilities, or the time, place, and manner of public expression;
9. Disorderly conduct or lewd, indecent, or obscene conduct or expression;
10. Failure to comply with directions of college officials acting in the performance of their duties;
11. Possession, the attempt to purchase, or use of illegal drugs, use of any alcoholic beverages, or other controlled substances.
12. Any act which is defined as a felony, misdemeanor or infraction under the laws of the State of California or which violates any duly-adopted rule or regulation of the college.
Non-students or persons not affiliated with the college who interfere, obstruct, interrupt, or detract from the operation of the college or the promotion of its educational or community objectives are subject to criminal action under the State of California Penal Code, Section 602.10.

**Academic Honesty**

Academic Honesty is essential to the academic community. Students expect that Cuesta College faculty be fair, truthful, and trustworthy. The faculty expect that Cuesta College students share these same values. Students who violate these principles by cheating, plagiarizing, or acting in other academically dishonest ways are subject to disciplinary procedures. Below are some examples of academically dishonest behavior. If you are unclear about a specific situation, ask your instructor.

**Examples of Academic Dishonesty:**

- Copying from another student's exam
- Giving answers during a test to another student
- Using notes or electronic devices during an exam when prohibited
- Taking a test for someone else
- Submitting another student's work as your own, e.g., copying a computer file that contains another student's own work
- Knowingly allowing another student to copy/use your computer file(s) as his or her own work
- Completing an assignment for another student
- Plagiarizing or "kidnapping" other people's thoughts, words, speeches or artistic works by not acknowledging them through proper documentation

At the discretion of the instructor, students caught being academically dishonest may receive a failing grade on the assignments in question, be dropped from the class, or be failed in the course. Beyond this, the student may be subject to disciplinary action as determined by the Vice President of Student Services or designee. An appeals process is available to the student through the office of the Vice President of Student Services. It is recommended that the faculty member report any acts of academic dishonesty to the Vice President of Student Services or designee.

**Student Computer Technology Access Agreement**

This is to communicate what other users, instructors, and the District expects of students when using college computer technology and facilities. Failure to conform to these stipulations can result in disciplinary action. Violations of regulations in the use of computer technology will be addressed in accordance with the college Academic Honesty and Student Code of Conduct Policies, available for reference in the college catalog or by requesting copies from Student Services.

Computer technology and facilities are provided for the purpose of completing academic requirements.

**A. Students may use the technology and facilities to:**

1. Complete course assignments;
2. Conduct academic research;
3. Communicate with faculty and students.

**B. User Responsibilities**

User responsibilities include, but are not limited to:

1. Using only their own designated ID, passwords/PIN, and accounts, and keeping IDs, passwords/PIN, and account information confidential. It is recommended that users change their passwords/PIN periodically;
2. Using software and electronic materials, including shareware, in accordance with copyright, trademark, and licensing agreements and restrictions;
3. Accurately identifying and representing themselves in electronic messages, files, and transactions;
4. Saving all work on a floppy disk, zip disk or other removable storage media and not on the hard drive unless instructed to do so by the instructor;
5. Allowing lab technicians to scan disks before they are inserted into the disk drive as a precaution to insure the safety of the computers;
6. Asking appropriate Cuesta College personnel for assistance if unfamiliar with the operating system.

**C. Prohibitions**

Prohibitions include, but are not limited to:

1. Damaging equipment, data, software, software protection, encryption or restriction on applications and files; including, introducing invasive or destructive programs (such as viruses, worms, and Trojan horses);
2. Disrupting or unauthorized use of accounts, access codes, passwords, or identification numbers;
3. Impeding or disrupting the use of computer technology and communications resources by game playing, sending an excessive or unreasonable number of messages, sending messages of unreasonable size (with large attachments); making or printing excessive copies of documents, files, data, or programs;
4. Violating copyrights, trademarks, and/or license agreements;
5. Accessing, using or copying another user's account, ID number, password, electronic files, data, or e-mail without prior authorization; or allowing such use by others;
6. Using District computer technology and communications resources in any unlawful manner including fraudulent, threatening, libelous, obscene, or harassing communications; procuring, or distributing obscene or pornographic material;
7. Circumventing or attempting to circumvent local, network, or remote security measures;
8. Altering or attempting to alter system software;
9. Altering or attempting to alter system hardware without Computer Services approval;
10. Modifying or attempting to crash or hack into computer technology or communications resources;
11. Accessing or attempting to access restricted portions of any operating system or security software unless authorized to do so;
12. Installing or removing software unless authorized to do so;
13. Using computer technology and/or communications resources for private commercial or other personal purposes;
14. Copying software that has not been placed in the public domain and distributed as freeware; inspecting, changing, altering, copying, or distributing proprietary data programs, files, disks, or software without authorization;
15. Falsely identifying and/or representing one's self in the use of computer technology and communications resources.

The District may access, review, copy and disclose information entered or retained in computer technology and communications resources.

**SPEECH: TIME, PLACE, AND MANNER (BOARD POLICY 6200.1)**

**A. Speech and Advocacy**

- General Principle: Students have the right of free expression, advocacy, and action except to the extent that it interferes with,
obstructs, interrupts, or detracts from the operation of the college or the promotion of its educational or community objectives.

- Time, Place, and Manner Regulations: The time, place, and manner of exercising speech and advocacy within the limits described in the General Statement shall be subject to prior approval by the Vice President of Student Services or designee. To be approved, an activity will require orderly conduct, non-interference with college functions or activities, and identification of sponsoring groups or individuals, and shall provide for one or more open discussion areas. It is expected that “good taste” will be exercised by all students. The Vice President of Student Services or designee shall provide reasonable protection to persons on campus against practices that would make them involuntary audiences.

- Non-college Speakers: Registered student organizations may invite non-college speakers to address meetings on campus only upon prior notification and approval of the Superintendent/President or designee, who may deny the use of available college facilities if the meeting is deemed to be incompatible with the educational objectives and established policies of the college. Individual students or student groups which have not qualified as registered student organizations may not invite non-college speakers to address meetings on campus.

- Whenever the Vice President of Student Services or designee considers it appropriate in furtherance of educational objectives and established policies, the following may be required:
  - That the meeting be chaired by a person approved by the Vice President of Student Services or designee; and/or
  - That the speaker be subject to questions from the audience.
  - It shall be the intent of the Vice President of Student Services or designee to assure opportunity for the expression of a variety of viewpoints, except those specified prohibited in Board Policy 7850, Use of College Facilities.

B. Speakers and Political Events Not Sponsored by Student Organizations:

Free Speech Areas:

San Luis Obispo Campus:
1. The Cuesta College Patio - Behind the cafeteria;
2. The Flag Pole Area;

North County Campus:
1. Flagpole area of campus courtyard.

- The entire area would be available for the discussion of all issues or philosophies, which are discussed in normal speaking voice.
- Brochures may be handed out to individuals but may not be left in stacks or posted on school bulletin boards without appropriate approvals. All discarded brochures are to be picked up by those who distributed them.
- No amplification equipment will be allowed without prior approval by the Vice President of Student Services or designee.
- No speakers or brochures which advocate any illegal activity or the overthrow of the Government of the United States would be allowed to use the Free Speech Area.
- Free speech areas will be under the supervision of the Vice President of Student Services or designee.
- No speakers may interfere with the activities of students or others using the designated Free Speech Areas.

STUDENT ORGANIZATIONS (BOARD POLICY 6200.2)

1. Registration of Student Organizations: An organization in which active membership is limited to students, academic, and administrative staff of the college may become a registered student organization by complying with the registration procedures established by the Associated Students of Cuesta College and the Vice President of Student Services, which shall include the name of the organization, its purposes, its officers, and such other information as may be specified in campus regulations.

2. Standard of Conduct and Discipline: Student organizations are required to comply with college policies and campus regulations and are subject to revocation of registration or other discipline for violation of such policies or regulations.

3. Use of College Name: A student organization shall not use the name of Cuesta College, or abbreviations thereof, as a part of its name. A registered student organization may state that its membership is composed of students or students and staff of Cuesta College but shall not indicate or imply that it is acting on behalf of the college or with its approval or sponsorship.

4. Use of College Facilities by Student Organizations: Registered student organizations may use college facilities for meetings and activities in accordance with Board Policy 7850 Use of College Facilities. The Vice President of Student Services or designee may grant approval for fund raising, recruiting participants, posting and distributing literature. Registered student religious organizations shall be extended the same privileges as other registered organizations, except as limited by federal and state law.

5. Taking Positions on Issues: Registered student organizations may take and publish positions on issues, and shall make it clear in so doing that they are not representing the views of the college or of the student government or of the student association as a whole.

STUDENT DISCIPLINE (BOARD POLICY 6200.3)

A. Types of Discipline

1. Warning: Notice to the student(s) that continuation or repetition of specified conduct may be cause for further disciplinary action.
2. Censure: Written reprimand for violation of specified regulation.
3. Disciplinary Probation: Exclusion from participation in privileges or extracurricular college activities as set forth in the notice of disciplinary probation for a specified period of time.
4. Restitution: Reimbursement for damage to or misappropriation of property. Reimbursement may take the form of appropriate service to repair, replace, or otherwise compensate for damages.
5. Interim Suspension: Exclusion from classes and other privileges or activities as set forth in the notice of interim suspension, pending final determination of an alleged violation.
6. Suspension: Exclusion from classes and other privileges or activities as set forth in the notice of suspension for a definite period of time.
7. Dismissal: Termination of student status for an indefinite period. The student(s) may be readmitted to Cuesta College with the specific approval of the Superintendent/President’s or designee.
8. Expulsion: Permanent termination of student status without possibility of readmission.

B. Administration of Discipline:

1. A student(s) may be disciplined for improper conduct when such conduct is a part of any college activity.
2. The Vice President of Student Services or designee may appoint faculty, student, individual, or committee advisors, to consider
potential disciplinary action, but has the final authority for administration of student discipline except that expulsion requires approval by the Superintendent/President of the college.

3. The Vice President of Student Services or designee may impose any discipline provided herein when there is reason to believe that substantial grounds exist for such discipline.

4. During the term of any discipline which does not terminate student status, students continue to be subject to District policies, regulations, and procedures.

5. Pre-discipline conference/notice: Students charged with misconduct shall be provided with written notice to meet with the Vice President of Student Services or designee regarding the basis for possible disciplinary action. The notice must be given at least twenty-four (24) hours prior to the scheduled appointment.

6. The meeting with the Vice President of Student Services or designee should include:
   • A written statement of charges to the student(s);
   • A reasonable opportunity at the meeting for the student(s) to personally answer the charges;
   Following the meeting, the student(s) shall either accept the disciplinary action, if any, or within forty-eight (48) hours (two school days) following receipt of the written notice of proposed disciplinary action, file at the office of the Vice President of Student Services or designee a written notice of intent to appeal to the Student Conduct Appeals Committee.

C. Appeal

Level I

• The student(s) shall file with the Appeals Committee, within twenty-four (24) hours (one school day) following filing of a notice of intention to appeal, a specific written response to each of the charges. Any charge to which the student(s) does not respond shall be deemed to be true.

• The Appeals Committee shall include a hearing officer appointed by the Superintendent/President, administrator (Vice President of Student Services may not serve), faculty member appointed by the Academic Senate, and a student representative appointed by the Associated Students of Cuesta College.

• A meeting of the Appeals Committee shall be convened not earlier than twenty-four (24) hours after submission of the student's response to the charges, to hear the appeal and to make a decision in the case.

• The hearing before the Appeals Committee is not a judicial proceeding. The Appeals Committee recognizes the student's right to a fair opportunity to hear the charges and evidence in support thereof, the right to present oral and documentary evidence on his/her behalf, the right to present a written argument on conclusion of the hearing, and the right to have an accurate copy of the minutes of the hearing furnished to the student.

• The Appeals Committee shall submit its decision to the student within ten (10) working days of the hearing.

Level II

• Within twenty-four (24) hours (one school day) after receiving the decision of the Appeals Committee, the student(s) may appeal the decision in writing to the Superintendent/President. Such appeal may be based only on the grounds that:
  • Required procedures have not been followed and the student(s) has/have been demonstrably damaged;
  • There is insufficient evidence to support the decision of the Appeals Committee;
  • One or more members of the Appeals Committee have, prior to the hearing, formed an opinion as to whether the student(s) has/have or has/have not committed the acts with which charged; and must include all supportive evidence.
  • The Superintendent/President will evaluate the evidence and submit findings in writing to the student within fifteen (15) working days after receiving the appeal.

Level III

• Every student has the final right of appeal to the Board of Trustees when dismissal or expulsion has been imposed.

• A final written appeal may be made to the Board of Trustees within thirty (30) working days of the written response of the Superintendent/President. The Board will evaluate the evidence and render its decision within thirty (30) days of the initial meeting of the Board at which the matter is discussed.

CODE OF CONDUCT FOR STUDENTS IN THE ASSOCIATE DEGREE NURSING PROGRAM (BOARD POLICY 6202)

The Board of Trustees determines that the following policies govern the participation of alcohol- or drug-impaired students in the Associate Degree Nursing Program.

1. The nursing program, in addition to offering an academic program, includes clinical course work. The safety of patients under the care of student nurses must be assured. The instructor and the Director of Nursing Programs may take immediate corrective action to remove a student impaired by alcoholism or drug abuse from the clinical program if the student demonstrates by his/her conduct and performance in the clinical setting that he/she is a danger to the health and safety of patients under his/her care.

2. After evaluation and due process, students considered by the Director of Nursing Programs to be impaired by alcohol or drug abuse will be allowed to continue their studies, including clinical course work, as long as they are adhering to the provisions of a contract between the college and the student for the student's retention.

3. Information on the student's condition is confidential and will not be disclosed except when necessary to protect the safety of patients under the care of student nurses.

4. An individual contract of retention will be developed by the student, rehabilitation therapist, and the Director of Nursing and shall specify:
   • That the student must participate in an approved drug or alcohol treatment and rehabilitation program for the duration of his/her nursing program studies.
   • That evidence of satisfactory attendance and progress will be provided to the college on a regularly scheduled basis.
   • That the student will consent to periodic random drug screening as part of the treatment and rehabilitation program.
   • That the impaired student will give all medications under direct supervision and that the student will not have access to keys to medications.
   • That if the student fails to adhere to the conditions of the contract for retention, the same procedure will be followed as with any other student on probation; the circumstances of the violation will be reviewed by the nursing faculty as a whole; and recommendations for the retention or dismissal will be made to the Director of Nursing Programs, who will then make the decision after advising the Vice President of Student Services.
5. Information on the student’s dismissal from the nursing program will be reported to the Board of Registered Nursing when such information is requested by the Board of Registered Nursing.

**STUDENT GRIEVANCE PROCEDURE (BOARD POLICY 6205)**

A grievance shall mean a complaint, other than one dealing with civil rights discrimination,* which has been filed by a student or by a student’s designee on his/her behalf. The primary purpose of the following procedure is to secure at the earliest level possible an equitable solution to a complaint.

**LEVEL 1.**

The student should contact in person the Vice President of Student Services (or designee appointed by the Vice President of Student Services) and present his/her complaint. If the grievance is not resolved, the student can submit to the Vice President of Student Services (or designee) a written appeal for further consideration. (Time limit: ten calendar days from the date of appointment with the Vice President of Student Services, or designee.)

**LEVEL 2.**

A Student Appeals Committee, made up of three faculty and three student members jointly appointed by the Vice President of Student Services (or designee), and the ASCC President, will be convened within ten calendar days after receiving the appeal and will submit its finding to the student in writing within an additional ten days. If the complaint is not resolved, a written appeal can be filed by the student to the President/Superintendent within ten calendar days. When a grievance involves the Vice President of Student Services (or designee) (Level 1) and/or the Associated Students Cuesta College (ASCC) President and the Vice President of Student Services (or designee) (Level 2), those responsibilities listed above for these two positions at Levels 1 and 2 shall be assumed by the Superintendent/President (or designee appointed by the Superintendent/President) of the District.

**LEVEL 3.**

The student will appeal in writing with all supportive evidence to the President/Superintendent (or designee) who will evaluate the evidence and submit his/her finding in writing to the student within ten calendar days after receiving the appeal.

**LEVEL 4.**

A final written appeal may be made to the Board of Trustees within thirty calendar days of the written response of the President/Superintendent (or designee). The decision of the Board will be given within thirty calendar days of the written response of the President/Superintendent (or designee). The decision of the Board will be given within thirty calendar days of the written response of the President/Superintendent (or designee) a written appeal for further consideration. (Time limit: ten calendar days from the date of appointment with the Vice President of Student Services, or designee.)

*When a student has a complaint which involves (1) sexual harassment, (2) civil rights discrimination on the basis of ethnicity, race, national origin, religious beliefs, age, gender, color, physical or mental disabilities, veteran status, sexual orientation or sexual identity, or marital status, or (3) retaliation for filing a sexual harassment or other unlawful discrimination complaint, referring a matter for investigation, participating in an investigation of a complaint, serving as an advocate for an alleged victim or alleged offender, or who otherwise furthers the principles of the District’s unlawful discrimination policy (Policy 1565), then the matter is to be referred to the Executive Director of Human Resources and Labor Relations as such matters are to be handled pursuant to Policy 1565 (unlawful discrimination) and not as a student grievance.

**SERVICE ANIMALS (BOARD POLICY 7985)**

**Purpose**

This policy is to provide regulations regarding the use of service animals on District property, to comply with ADA Regulations; and to ensure that an individual with a verifiable disability, visual or not, who needs a service animal may participate in and benefit from District and College services, programs, and activities.

**SERVICE ANIMALS (BOARD POLICY R7985)**

**Background**

1. Service animals are animals trained to assist individuals with disabilities in the activities of normal living. The Americans with Disabilities Act (ADA) definition of a service animal is “... any . . . animal individually trained to do work or perform tasks and functions that a person who is disabled cannot perform for himself or herself, and for the benefit of an individual with a disability, including, but not limited to, guiding individuals with impaired vision, alerting individuals who are hearing impaired to intruders or sounds, providing minimal protection or rescue work, pulling a wheelchair, or fetching dropped items.” If an animal meets this definition, it is considered a service animal regardless of whether it has been licensed or certified by a state or local government or a training program.

2. Regulations implementing Title II of the ADA (28 C.F.R. Section 35.130(b)(7)), California law (Civil Code Section 54 et seq. and Penal Code Section 365.5), and San Luis Obispo County Community College District policy (Board Policy 7965 § VIII) allows service animals to accompany persons with verifiable disabilities onto the Cuesta College campus.

3. This policy differentiates “service animals” from “pets”, describes types of service animals, denotes campus locations that are off-limits to service animals based only on issues of safety, and sets behavioral guidelines for service animals.

**Definitions**

1. Service Animal: Any animal individually trained to do work or perform tasks for the benefit of a person with a verifiable disability. Service animals are usually dogs. A service animal is sometimes called an assistance animal. If there is a question as to whether an animal is a service animal, contact one of the resources listed below:
   - Director of Disabled Student Programs and Services;
   - Director of Public Safety.

2. Partner/Handler: A person with a service or therapy animal. A person with a verifiable disability is called a partner; a person without a disability is called a handler.

3. Team: A person with a verifiable disability (or handler) and his or her service animal. The twosome works as a cohesive team in accomplishing the tasks of everyday living.

4. Trainee: An animal undergoing training to become a service animal. Trainees are permitted on District property, in accordance with regulations addressed above. A trainee will be housebroken and fully socialized. To be fully socialized means the animal will not, except under rare occasions, bark, yip, growl, howl, or make any type of disruptive noises; will have a good temperament and disposition; will not show fear; will not be upset or agitated when it sees another animal; and will not be aggressive. A trainee will be under the control of the handler at all times, who may or may not have a disability. If the trainee begins to show
improper behavior, the handler will act immediately to correct the animal or will remove the animal from District property.

5. Therapy Animal: An animal with good temperament and disposition, and who has reliable, predictable behavior, selected to visit people with disabilities or people who are experiencing the frailties of aging or confinement as a therapy tool. The animal may be incorporated as an integral part of a treatment process. A therapy animal does not assist an individual with a disability in the activities of daily living. The therapy animal does not accompany a person with a disability all the time. Thus, a therapy animal is not covered by laws protecting service animals and the rights given to service animals.

6. Pet: A domestic animal kept for pleasure or companionship. Pets are not permitted in College facilities. Permission may be granted only by the Director of Public Safety for a pet to be in a college facility for a specific reason at a specific time (e.g., a pet dog or cat is used as a demonstration tool in a zoology class, speech class, etc.).

Types of Service Animals

1. Service Dog: A dog that has been specially trained as a “Guide Dog”, “Hearing Dog”, “Sag Dog”, “Seizure Dog”, or “Assistance Dog”.

2. Guide Dog: A dog carefully trained to serve as a travel tool by persons with severe visual impairments or who are blind.

3. Hearing Dog: A dog that has been trained to alert a person with significant hearing loss or who is deaf when a sound (e.g., a knock on the door) occurs.

4. Sag Dog: A dog trained to assist a person with autism. The dog alerts the partner to distracting repetitive movements common among those with autism, allowing the person to stop the movement (e.g., hand flapping). A person with autism may have problems with sensory input and need the same support services from a dog that a dog might give to a person who is blind or deaf.

5. Seizure Dog: A dog trained to assist a person with various types of seizure disorders; how the dog serves the person depends on the person’s needs. The dog may stand guard over the person during a seizure, or the dog may go for help. A very few dogs have somehow learned to predict a seizure and warn the person in advance.

6. Assistance Dog: A dog that has been specially trained to assist a person who has mobility or health impairment. Types of duties the dog may perform include carrying, fetching, opening doors, ringing doorbells, activating elevator buttons, steadying a person while walking, helping a person up after the person falls, pulling a wheelchair, etc.

Requirements for Faculty, Staff, and Students

1. Allow the service animal to accompany the partner at all times on campus, except where service animals are specifically prohibited. (Section VIII).

2. Do not pet a service animal. Petting a service animal when the animal is working distracts the animal from the task at hand.

3. Do not feed a service animal. The service animal may have specific dietary requirements. Unusual food or food at an unexpected time may cause the animal to become ill.

4. Do not deliberately startle a service animal.

5. Do not separate or attempt to separate a partner/handler from his or her service animal.

Requirements of Service Animals and Their Partner/Handler

1. Vaccinations: The animal must be immunized against diseases common to that type of animal. Dogs must have had the general maintenance vaccine series, including but not limited to vaccinations against rabies, distemper, and parvo virus. Other animals must have had the appropriate vaccination series specific for the type of animal. [County Code § 9.08.150, 9.08.170, 9.08.180, 9.08.190]. All vaccinations must be current. Though dogs in San Luis Obispo County are not required to wear or display a rabies vaccination tag, the owner must provide proof of a rabies vaccination upon request.

2. Licensing: The County of San Luis Obispo ordinance [§ 9.08.160], following state law requires all dogs be licensed by the time they reach 4 months of age. Guide dogs, hearing dogs, dogs serving mobility-impaired persons, and other service animals receive the license at no cost, [County Code Title IX, § 9.08.260].

3. Health: The animal must be in good health, displaying no skin, eye, ear, or nose irritation, infection, or discharge, unless the animal has a release from a veterinarian showing the animal free of any health risk to the public. The animal must be free of fleas and external parasites.

4. Leash and Control: The animal must be on a leash at all times. The partner/handler must be in control of the animal at all times. The care and supervision of a service animal is solely the responsibility of its partner/handler.

5. Cleanup: The partner/handler must follow District policy in cleaning up after the animal defecates. District policy requires the partner/handler to: always carry equipment sufficient to clean up the animal’s feces whenever the animal and partner/handler are off the partner’s property, or animal’s home base.

6. Registration: A partner/handler who is a District disabled student who wishes to bring a service animal/trainee onto the campus must register his/her animal with the Disabled Student Programs and Services (DSPS) Department. Employees and other partners/handlers who wish to bring service animals onto the campus must register their animals with the Public Safety Office. Visitors with service animals must check in with the Public Safety Office. (See form attached.)

When a Service Animal Can Be Asked to Leave

1. Disruption: The partner/handler of an animal that is unruly or disruptive (e.g., barking other than warning or protection, running around, bringing attention to itself) may be asked to remove the animal from District property. If the improper behavior happens repeatedly, the partner/handler may be told not to bring the animal onto District property until the partner/handler takes significant steps to mitigate the behavior. Mitigation can include, but is not limited to, muzzling a barking animal, refresher training for both the animal and the partner/handler, or providing proof of additional certified training from a state licensed facility.

2. Health: Service animals that are ill should not be taken into public areas. A partner/handler with an ill animal may be asked to leave the District property.

3. Uncleanliness: Partners/handlers with animals that are unclean, noisome and/or bedraggled may be asked to leave District property. An animal that becomes wet or muddy, but is otherwise clean, should be
considered a clean animal. Animals that shed in the spring sometimes may look bedraggled. If the animal in question is well groomed, consider the animal tidy even though its spring coat is uneven and messy-appearing or it has become wet from weather or weather-related incidents.

Areas Off Limits to Service Animals

1. Mechanical Rooms/Custodial Closets: Mechanical rooms, such as boiler rooms, facility equipment rooms, electric closets, elevator control rooms, and custodial closets are off-limits to service animals. The machinery and/or chemicals in these rooms may be harmful.

2. Areas Where Protective Gear is Necessary: Any room where protective gear is worn is off-limits to service animals. Examples impacting students include the foundry, glass laboratory, wood and metal shops, photographic lab, and chemistry or biology labs.

3. Areas Where There is a Danger to the Service Animal: Any room, including a classroom, where there are sharp metal cuttings or other sharp objects on the floor or protruding from a surface; where there is hot material on the floor (e.g., molten metal or glass); where there is a high level of dust; or where there is moving machinery is off-limits to all service animals.

Exceptions:

1. A Dean and Division Chair/Director, in consultation with an instructor, may authorize opening a laboratory to service animals.

2. A Dean and Division Chair/Director of a research laboratory or an instructor in a classroom or teaching laboratory with moving equipment may grant permission to an individual service animal and partner/handler team to enter the research laboratory, classroom, or teaching laboratory with moving machinery. Admission for each team will be granted or denied on a case-by-case basis. The final decision shall be made based on the nature of machinery and the best interest of the service animal. Example: The machinery in a classroom may have moving parts at a height such that the tail of a large dog could easily be caught in it; which is a valid reason for keeping large dogs out. However, a very small hearing dog may be shorter than any moving part and, therefore, considered for admission to the classroom.

3. Access to other designated off-limits areas may be granted on a case-by-case basis by the Director of Academic Support/Disabled Student Programs and Services.

4. To be granted an Exception: A student partner/handler who wants his or her service animal to be granted admission to an off-limits area should contact the Disabled Student Program and Services (DSPS) Department and any non-student partner/handler, including an employee, who wants his or her service animal to be granted admission to an off-limits area should contact the Public Safety Department. An employee of DSPS or Public Safety, respectively, should fill out the disability accommodation request form for the partner/handler and then the partner/handler should take the form to the appropriate Dean, Division Chair, or instructor for his/her signature. This form will remain in the student’s file in DSPS or on file in Public Safety, as appropriate, for the current semester only.

5. The District will work with a partner/handler whose service animal has been excluded for an off-limits area to otherwise reasonably accommodate the partner/handler’s needs.

Evaluation Procedures

1. The District’s Director of Academic Support/Disabled Students Programs and Services or Director of Public Safety must determine whether the service animal meets the basic ADA definitions. This determination is based upon whether the service animal has been trained to provide the specific task or service required by the individual because of his/her disability (ies) and whether the animal can actually provide that task or service. If the animal cannot perform the identified task or service, the District may exclude the animal from its facilities and campuses.

2. The District must rigorously analyze whether the presence of the service animal would actually have a significant effect upon the service, program, or activity involved. If the District determines that the use of the service animal causes a fundamental alteration in District services, programs, or activities, the District may exclude the animal from its facilities and campuses. (28 C.F.R. § 36.208.)

3. The District must determine whether the presence of a particular service animal poses a significant risk to the health or safety of other persons that cannot be eliminated by a modification of policies, practices, or procedures, or by the provision of auxiliary aids or services. In doing so the District must make an individualized assessment based on reasonable judgment that relies on current medical knowledge or on the best available objective evidence to determine the probability that the potential injury will actually occur. If the District determines that the presence of the service animal does pose a direct threat to the health or safety of persons participating in District service, programs, or activities, the District may exclude the animal from its facilities and campuses. (28 C.F.R. § 36.208.)

4. If the District determines that the use of a particular service animal will not be permitted, the Director of Academic Support/Disabled Student Program Services will take the following steps to ensure that the individual with a disability is not discriminated against on the basis of disability:

   - Determine whether alternative modifications to District policies, practices, or procedures can be made to permit the individual to participate in District services, programs, or activities.
   - Determine whether academic adjustments or auxiliary aids may be used by a student with a disability to permit his/her participation in District services, programs, or activities.

5. An individual with a disability who is denied the use of a service animal may appeal to the Vice President/Assistant Superintendent of Student Services.

Complaints

Anyone dissatisfied with a decision made concerning a service animal should refer to the Unlawful Discrimination Grievance Procedures. (Board Policy 1565)

SMOKING/NON-SMOKING (BOARD POLICY 2773)

The Board of Trustees of the San Luis Obispo County Community College District is committed to promoting a tobacco-free environment. Effective January 1, 2004, the following regulations are applicable to employees, students, and the public; and shall be implemented on District sites.

SMOKING/NON-SMOKING R2773

1. Smoking any form of tobacco or non-tobacco products is permitted only in designated areas of District property.

2. Designated areas shall be identified by prominent signage.

3. Smoking is prohibited in District vehicles.
4. The District shall make available to employees and students through the District Health Services a referral list of treatment centers for smokers, and other information on smoking that may assist individuals who wish to stop using tobacco products.

5. Communication of this policy/registration shall be by means of prominently displayed “No Smoking” signs, notices in the College schedule of classes, catalog, web site, and distribution of the policy/registration to students and employees.

6. Enforcement of this policy/registration shall be in accordance with established procedures for enforcement of other regulations.

CHANGE OF RULES AND REGULATIONS

The college reserves the right to make changes, additions and/or deletions to the list of rules and regulations during the school year when deemed necessary by action of the administration and/or Board of Trustees.

STUDENT PROGRAMS AND SERVICES

ACADEMIC SUPPORT

It is the mission of Academic Support:
- to help all students achieve their personal, educational, and vocational goals by promoting the learning strategies and attitudes necessary for academic success;
- to encourage independent learning so that students can educate themselves continuously throughout their lifetimes;
- to promote student success by sharing knowledge of the learning process with students, faculty, administration, and staff in a collaborative partnership for the enhancement of learning;
- to help faculty infuse learning strategies and active learning experiences into their teaching methodologies; and
- to recognize and respect the diversity within our learning community by providing appropriate and effective academic support.

This mission is fulfilled by offering the following learning and teaching assistance to students and faculty:

SAN LUIS OBISPO ACADEMIC SUPPORT

ACADEMIC SKILLS COURSES are offered in reading, grammar, spelling, math, test preparation, test and performance anxiety, word processing, study skills, and college success. These courses help students review, refresh, or refine academic skills and strategies needed for success in college and beyond. Refer to Class Finder on the web or to Academic Skills in the published class schedule for available classes each semester.

ACADEMIC SUCCESS WORKSHOPS are offered throughout the year. Sample workshops include test preparation, memory techniques, time management, textbook reading strategies, and critical thinking. Workshops are open to all students free-of-charge. Topics and dates are posted in the Academic Support Center, Building 3300, and around campus.

ACADEMIC SUPPORT LAB is available to any Cuesta College student who wishes to improve his/her academic and learning skills. Students may come in for a comprehensive assessment of their learning needs, use particular instructional modules to supplement coursework, and improve their basic skills by enrolling in an open-entry computer and audio/video tutorial lab course. Students work independently on one or more of the following skills: grammar, writing, vocabulary, spelling, math, reading, critical thinking, study skills, mathematics, English as a Second Language, keyboarding, and word processing. The PLATO Integrated Learning System software is available in the lab. Students work on mastering individual skills, at the appropriate difficulty level, and at their own pace. Students may also earn .5 or 1.0 credit of credit by signing up for ACASK 005. Report to the lab, located in Building 3300, Monday through Thursday, 8:30 a.m. to 12:30 p.m., to arrange hours.

MATH LAB provides tutorial assistance on a drop-in basis to students needing help in Math 003 through Math 265B. Computer access is available for students to work on Mediated Math, Minitab, Geometer’s Sketchpad, Derive, and other software. Hours are posted in Building 2601.

TUTORIAL SERVICES provides free individual and small group tutoring in most academic subjects. One hour of tutoring per week, per class is provided for each content area. Students may sign-up at the Tutorial Services Reception Desk in Building 3300. Peer tutors are faculty recommended, have received a “B” or better in the courses they tutor, are paid on an hourly wage, and complete a tutor-training class during their first semester as a tutor. Tutors are trained to help students develop long-term learning strategies that facilitate independent learning. Tutorial Services also offers Adjunct Study skills and Supplemental Instruction (SI) - learning assistance for POLSCI 202, PSYCH 201, BIO 204, and BIO 206. Special Academic Skills courses (ACASK 115 and ACASK 217) are available for certain sections of these high-risk, difficult courses. Students learn how to apply content-specific study strategies. For more information, go to academic.cuesta.edu/acasupp/tutor/index.htm

WRITING CENTER provides writing assistance to students on a drop-in basis and is available to all students. Students meet with an English instructor to have specific questions answered regarding structure and content. Papers are NOT proofread. Hours are posted in Building 3300.

NORTH COUNTY CAMPUS ACADEMIC SUPPORT

ACADEMIC SKILLS COURSES are offered in reading, writing, grammar, spelling, math, study skills, and college success. These courses help students review, refresh, or refine academic skills and strategies needed for success in college and beyond. Refer to Class Finder on the web or to Academic Skills in the published class schedule for available classes each semester.

ACADEMIC SUCCESS WORKSHOPS are offered throughout the year. Sample workshops include test preparation, memory techniques, time management, textbook reading strategies, and critical thinking. Workshops are open to all students free-of-charge. Flyers with topics and dates are posted around campus and on the Student Services’ bulletin board http://academic.cuesta.edu/acasupp/assworkshop.htm.

OPEN LAB provides drop-in assistance for writing, math, and ACASK 005 instruction. Writing students may meet with an English instructor to have specific questions answered regarding structure and content. Papers are NOT proofread. Math students needing help in Math 003 through Math 265B are provided with computer access to work on Mediated Math, Minitab, Geometer’s Sketchpad, Derive, and other software. The PLATO Integrated Learning System software is available in the lab. Hours are posted in Room N5004 and around the campus.

TUTORIAL SERVICES provides free individual and small group tutoring in most academic subjects. One hour of tutoring per week, per class is provided for each content area. Students may sign-up at the
services

bookstore

Cuesta College operates a bookstore as a service to Cuesta College students and the community by making available books and instructional supplies required for course work. In addition, the store maintains a wide selection of college supplies, clothing, and other merchandise that contribute to the general educational experience of the student.

The Cuesta Bookstore is a self-service operation open Monday through Friday at posted hours. Books for the upcoming semester go on sale approximately two weeks before classes start. Personal checks, VISA, Discover, or Mastercard are accepted for payment with photo identification. Books may be purchased on-line at http://bookstore.cuesta.edu.

Refunds and exchanges are limited to three weeks from the start of the fall or spring semester, or one week from the start of summer session. The store buys back textbooks during the final exams week of each semester. Check with the store for specific refund or buy-back dates and policies.

Other services include special book orders, school rings, nursing pins, graduation caps and gowns, college insignia items, Cuesta College catalogs, and class schedules.

Career Connections provides a centralized location where students can identify and receive information about available full and part-time jobs in the community as well as employment programs available at Cuesta College.

In collaboration with ASCC, Student Life and Leadership, Counseling, the Career Transfer Center, and others, Career Connections offers students access to practical workplace experience that relates to the educational goals and academic achievement of the Cuesta student.

Career Connections also provides a centralized location for local businesses to post job openings, conduct interviews, and meet with students on a formal or informal basis.

Career Connections is located in the Student Center, Room 5310.

children’s centers

Cuesta's children's centers are lab schools for Early Childhood Education students who attend Cuesta College. Students working on their ECE Associate of Arts degree complete their teacher training through the center programs.

Licensed children's centers are at the San Luis Obispo campus and the Paso Robles North County campus. Both are programs planned, facilitated, and created by early childhood education professionals. Both centers follow the academic calendar. The centers serve children from 18 months to five years of age with enrollment priority going to full-time student parents, part-time student parents, faculty and staff, then community.

Child care fees are due monthly with a semester enrollment fee per child. If certain eligibility requirements are met, parents can qualify for subsidized childcare payments through the campus EOPS/CARE program, (805-546-3144), or through the San Luis Obispo EOC Child Care Resource Connection, (805-541-2272), the county Resource and Referral agency.

A new waiting list is started on the second Monday of each semester, for the following semester (i.e. the second Monday of fall semester waiting list is for the following spring semester).

To inquire about childcare at the San Luis Obispo campus, please call (805) 546-3285. For the North county campus, please call (805) 591-4273.

California State Preschool at Cuesta College

- Operated by the San Luis Obispo County Office of Education
- Open to children three to five years of age
- Free to families whose gross monthly income does not exceed the income ceilings established by the California Department of Education. For example, a family of four can earn up to $4,816/month and still qualify for the program. Proof of income and birth certificate are required to determine eligibility. For more information call (805) 782-7275.
- An extended day option is available to families who work 30 hours or more per week and/or attend college/vocational training with 12 credits or more per semester.

Community programs

Cuesta College Community Programs provides a comprehensive source for lifelong learning, career education, recreation opportunities, and cultural development in a friendly, accessible environment for people of all ages. For more information call (805) 546-3132, FAX (805) 546-3107, or visit www.communityprograms.net.

Cuesta's community education, special events, recreation programs, and aqua fitness classes serve four essential functions in the college district:
- To contribute to the cultural, intellectual, recreational, and social life of the residents of the District, and to offer training for workforce improvement.
- To develop leadership and provide educational services which utilize special skills, interests, and knowledge of college faculty and other professional community instructors.
- To be a center of community life by scheduling college facilities and services on an extended and year-round basis for individuals, families, and community groups.
- To collaborate with community groups, county organizations, and businesses in developing programs and educational services for comprehensive coverage of the district.

Cooperative education work experience program

Cooperative Work Experience is a collaborative program between students, community employers, and Cuesta College. This course provides the opportunity to earn credits for working, either in a general capacity or toward a major/career path. Staff advisors guide students in accomplishing specific, measurable, and attainable job objectives, with the purpose of leading to successful outcomes. Students learn practical methods for improving communication, teambuilding, and goal-setting skills. For more information about Work Experience and program requirements, call (805) 546-3100, ext. 2522.
DISABLED STUDENT PROGRAMS AND SERVICES (DSPS)

Disabled Student Programs and Services (DSPS) helps to promote the full participation of students with disabilities. DSPS advocates and facilitates equal educational opportunities through appropriate support services, curricula, instruction, policies, and funding allocations. DSPS works to eliminate discrimination against students with disabilities and to promote their independence, growth, productivity, and equality.

Cuesta College provides support services and instruction to students with verified disabilities who can benefit from instruction. College facilities, courses, and programs are designed to accommodate the special needs of students with disabilities and to be in compliance with the Americans with Disabilities Act, Section 504 of the Rehabilitation Act of 1973, and California Education Code Title 5.

Students with verified disabilities who wish to request special accommodations through DSPS must complete an application for services and meet with a specialist to determine reasonable accommodations. A Student Educational Contract (SEC) is developed with each student, outlining the support services and/or instruction appropriate for the student.

Students with disabilities who plan to or do attend Cuesta College must meet the following levels of independence:

- The ability to take care of personal needs unassisted or to provide assistance of one’s own attendant; and
- The ability to negotiate campus facilities independently or with the assistance of one’s own attendant.

Disability categories served include:

- Learning Disability
- Physical Disability (visual or mobility)
- Psychological Disability
- Communication Disability (speech, language, or hearing/deafness)
- Acquired Brain Impairment
- Developmental Disability
- Other Disability that may require support services or instruction.

Support services are specialized services available to students with disabilities and are in addition to the regular services provided to all students. Such services enable students to participate in activities, programs, and classes offered by the college. Services include, but may not be limited to, alternative testing, sign language interpreters, notetakers, readers, scribes, tutors, registration assistance, academic support, disability related counseling, and evaluation of need for and access to adaptive equipment. If you have a verified disability and need college materials in an alternative format, contact DSPS or the Vice President of Student Services for assistance. Services for students with verified disabilities are available through DSPS or by contacting the Vice President of Student Services.

Special instruction in adapted physical education, adapted computer access skills, reading, writing, and mathematics is available to qualified students. Refer to the Academic Skills course descriptions in this catalog and in the current class schedule for a list of available classes and locations.

Students with personal attendants and/or service animals must register in the DSPS Office prior to attending classes. Materials will be made available in alternate format upon request. The DSPS Support Service Office will make every effort to provide services in a timely manner and to notify instructors of special needs.

Disabled Student Programs and Services (DSPS) is located on the first floor of the San Luis Obispo Campus High Tech Center Building 3300, phone (805) 546-3148 and in Room N3024 at the North County Campus phone (805) 591-6215. South County students should contact the San Luis Obispo DSPS Office.

For additional information, visit http://academic.cuesta.edu/acadsupp/dsp.

EXTENDED OPPORTUNITY PROGRAMS AND SERVICES (EOPS)

Extended Opportunity Programs and Services (EOPS) is a state-funded program that provides assistance, support, and encouragement to students who qualify economically as well as academically.

Cuesta College’s EOPS targets two priority elements for student eligibility: financial need and need for academic support. The program offers an EOPS orientation; academic, career, and personal counseling; student success workshops; leadership training; priority registration; EOPS book grants; tutorial referrals; an EOPS newsletter; field trips; and related academic and social activities.

A student must meet the following qualifications to receive services in the program:

- Be a California resident;
- Be enrolled full-time at Cuesta College (12 credits);
- Not have completed more than 70 degree-applicable credits;
- Complete the FAFSA with the Financial Aid office and be BOGW “A” or “B” eligible;
- Display a need for academic support, as reflected in mathematics and English assessment scores or prior academic history.

COOPERATIVE AGENCIES AND RESOURCES FOR EDUCATION (CARE)

Cooperative Agencies and Resources for Education (CARE), administered by EOPS, helps single CalWORKs/Temporary Assistance for Needy Families (TANF) parents by providing support activities related to parenting and student success. Services include referrals to support services, a child care/transportation grant, placement at the Cuesta College Children’s Center, and coordination of workshops and conferences for single parents.

The EOPS/CARE office at the San Luis Obispo Campus is located in the Library Building, Room 3131. The EOPS/CARE Office at the North County Campus is located in Building N3000, Room N3017.

FINANCIAL AID

Asistencia Financiera: se habla español.
Teléfono: (805) 546-3100 ext. 2517 o (805) 591-6202.

Website http://academic.cuesta.edu/finaid

Financial aid programs are available to help students who might otherwise be unable to complete their education. Students may apply for financial aid in the form of grants, scholarships, loans, and work study.

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 families have the primary responsibility for meeting educational costs. The amount of the contribution expected from students is determined by careful analysis of family financial strength, taking into consideration net income, number of dependents, allowable expenses, indebtedness, and assets. Dependent
students will provide data for both themselves and their parents, while independent students will provide data for themselves and their spouse, if married. Congress has established procedures that are used in making an evaluation of how much families can be expected to contribute.

**Financial Aid Programs**

Cuesta College participates in the following federal, state, and local financial aid programs:

- **Board of Governor’s Fee Waiver (BOGW):** The California Community College Board of Governor’s Enrollment Fee Waiver or BOGW, waives enrollment fees for California residents who meet one of the following criteria:
  - are eligible for any type of need-based financial aid;
  - receive CalWORKs, SSI or General Assistance payments or, if a dependent student, has a parent or Registered Domestic Partner (RDP) who receives this assistance; or
  - has certification from the California Department of Veterans Affairs or the National Guard Adjutant General that the student is eligible for a dependent’s fee waiver.

- **Is eligible as a recipient of the Congressional Medal of Honor or as a child of a recipient, or a dependent of a victim of the September 11, 2001 terrorist attack**

- **Is eligible as a dependent of a deceased law enforcement/fire suppression personnel killed in the line of duty.**

- **Has a total family income within the income standards listed below or, if a dependent student, a parent’s total income falls within these standards:**

<table>
<thead>
<tr>
<th>Number in household</th>
<th>Total family income 2007* (including yourself)</th>
<th>Total family income 2007* (adjusted gross income and/ or untaxed income)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>$15,315 or less</td>
<td>$15,315 or less</td>
</tr>
<tr>
<td>2</td>
<td>$20,537 or less</td>
<td>$20,537 or less</td>
</tr>
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* Add $5,220 for each additional dependent.

- **Federal Pell Grant:** The Pell Grant is the largest federal grant program and is intended to serve as a foundation to all other forms of aid. Funds are disbursed directly to eligible students to cover educationally-related expenses.

- **Federal Academic Competitiveness Grant:** Freshman and sophomore students who are eligible for a Pell Grant and U.S. citizens may receive a new Federal Academic Competitiveness Grant (ACG) of up to $750 for their first year and $1,300 for the second year. To qualify, students must have successfully completed a rigorous high school program as recognized by the U.S. Secretary of Education. Second-year students must also have maintained at least a 3.0 grade point average, and all students must maintain full-time enrollment while receiving these grants.

- **Federal Stafford Student Loan Program:** This is a government loan commonly referred to as a guaranteed student loan. There are two types of Stafford loans: subsidized, for which the government pays the interest while students are in school, and during grace and deferment periods; and unsubsidized, for which students are responsible for paying all the interest on the loan, from the day the loan is first disbursed to when it is paid in full. Interest payments can be deferred while they are in school. If students choose to let this interest accrue, it will be capitalized at repayment. Students must attend college at least half time to receive Stafford loan funds. Generally, repayment begins six months after students graduate, withdraw from school or enroll less than half time. All students interested in applying for a Stafford Student Loan (both subsidized and/or unsubsidized) are required to attend an Entrance Loan Counseling session to initiate the loan process. Loan Workshop dates are scheduled periodically throughout each semester and are posted on the financial aid website: http://academic.cuesta.edu/finaid

  - **Federal Supplemental Educational Opportunity Grant (SEOG):** A federal grant (limited funding) is awarded to students with the highest need.

  - **Federal Work Study (FWS):** Campus employment (limited funding) is awarded to students with the highest need. Students must maintain an overall Grade Point Average of 2.0 per Board of Trustees directives and be enrolled in a minimum of 6 credits.

  - **State Cal Grant B and Cal Grant C:** These are two state programs administered by the California Student Aid Commission. Cal Grant B provides a living allowance (and sometimes tuition/fee assistance) for very low-income/disadvantaged students with high potential. Cal Grant C assists vocational students with tuition and training costs. Students must be enrolled in a community college vocational program from four to 24 months in length. Students can apply for these Cal Grants when completing the Free Application for Federal Student Aid (FAFSA) and GPA Verification Form. The initial Cal Grant deadline is March 2 each year.

  - **California Chafee Grant for Foster Youth:** Youth who are or were in foster care may qualify for up to $5,000 a year for college. To qualify, students must attend college at least half-time and their course of study must be at least one year long. Youth who have been in another state's foster care program and meet the Independent Living Program requirements are also eligible to apply. Students who were in foster care any time between their 16th and 18th birthdays but were later reunited with their parents still qualify for the California Chafee Grant. To apply, students must submit both the FAFSA and the California Chafee Grant Application, which is available online at www.csac.ca.gov.

  - **Campus Scholarships:** In addition to government funding, Cuesta has a campus scholarship program. These funds, made available through private donors, are awarded annually by the Financial Aid Committee. Requirements include an overall GPA of 2.5, two letters of recommendation, and the official application. The application deadline is March 2 each year.

**Application**

Financial aid funds come from appropriations made by the federal and state governments and through scholarship awards made by individuals and other public and private agencies and organizations. Hence, each of these funds MUST be administered according to different sets of policies, regulations and/or specific requirements.

Cuesta recommends use of the Free Application for Federal Student Aid (FAFSA). This application form is a tool for determining need for the BOGW, Federal Pell, Federal Academic Competitiveness grant, SEOG, FWS, and Stafford Loan, as well as the Cal Grants. FAFSA applications are available in the Financial Aid Office beginning the January preceding the academic year the student plans to attend. A student also can apply over the Internet at http://www.fafsa.ed.gov instead of using the paper form.

To apply for campus scholarships, it is necessary to complete a separate application. The scholarship applications are also available in the Financial Aid Office and at academic.cuesta.edu/finaid beginning the December preceding the academic year the student plans to attend. The annual deadline is March 2.
Student Eligibility

To receive federal financial aid, the Department of Education requires that you MUST:

• Be a citizen or eligible noncitizen of the United States;
• Have a valid Social Security Number;
• Have a high school diploma or a General Education Development (GED) certificate or pass an approved “ability to benefit” test;
• Enroll in an eligible program as a regular student seeking a degree or certificate;
• Register (or have registered) for Selective Service, if you are a male between the ages of 18-25;
• Be making satisfactory academic progress;
• Not owe a refund on a federal grant or be in default on a federal educational loan; and
• Complete a drug rehabilitation program for individuals convicted of any offense under federal or state law involving the possession or sale of a controlled substance.

To be eligible for California grants, you MUST:

• Be a resident of California;
• Have “financial need” based on the criteria for the Board of Governor's Fee Waiver or Cal Grant Program.

Ability to Benefit Testing for Non-High School Graduates

In order to qualify for financial aid, any person 18 years of age or older who has not earned a high school diploma, or has not received a satisfactory General Education Diploma (GED) test score, or has not passed a high school proficiency test will need to demonstrate evidence of the ability to benefit from college instruction by passing an exam designed for that purpose. Cuesta College administers an Ability To Benefit exam once each month during the school year. Sign-ups are conducted through the Assessment Office located in San Luis Obispo Campus Building 3400, Room 3414. Call (805) 546-3951 to sign up by telephone. To take the exam at the North County Campus, call (805) 546-6225 for an appointment.

Student Educational Plan (SEP) / Orientation

If you are a FIRST-TIME FRESHMAN and have a GED or its equivalent, you should submit an Orientation Verification form obtained by attending an in-person orientation or complete the online orientation, which can be accessed through myCuesta. This will fill the Financial Aid requirement for an SEP/Orientation for your first semester as a first-time freshman ONLY. Once you enroll in Cuesta, schedule a counseling appointment to complete your matriculation planning process.

If you are a continuing Cuesta student and you have attended no other colleges, you must submit a current SEP. Contact the Counseling Office at (805) 546-3138 to make an appointment.

If you are a Transfer Student or you have attended other schools since high school, you will need a SEP.

To obtain a SEP:

1. Request that your official academic transcripts, plus a general education pattern, from ALL previous schools you have attended be forwarded to Cuesta.
2. Verify with the Admissions and Records Office that Cuesta College has received ALL your official academic transcript(s).
3. Make an appointment with an academic counselor at the Counseling Office. You will complete your SEP with the counselor at that time.
4. Submit a copy of your SEP to the Financial Aid Office.

Selective Service Requirement

Federal law requires men, 18 through 25 years old, to be registered with the Selective Service System (SSS). Females are excluded from the requirement. The law applies to male citizens and immigrant aliens but not to foreign students who hold student visas. Men must be registered before they can receive federal or state financial aid for school, including loans and grants. Registration forms are available at any post office, at the Cuesta College Admissions and Records Office, and at the Financial Aid Office. Or, a man can register on-line by visiting the SSS home page at www.sss.gov on the World Wide Web.

Standards For Satisfactory Progress For Financial Aid Eligibility

When a student accepts a financial aid award, he/she enters into a contract. The student agrees to successfully complete the number of credits for which he/she received payment and to make satisfactory progress toward his/her educational goal. Progress will be evaluated at the end of each semester by the standards listed below.

This policy has been developed for students receiving federal financial aid to assist in academic planning and success. Federal regulations require a student to move toward the completion of a degree or certificate when receiving financial aid. Federal regulations state that academic progress standards MUST include a review of periods of enrollment in which the student did not receive aid as well as the semesters they did receive aid. For the purpose of financial aid eligibility, Cuesta College students MUST meet the following minimum standards to be applied to credits attempted at all accredited post-secondary education institutions. These standards are applied to all previous college course work, whether or not the student received financial aid, and whether or not the previous college course work is relevant to the current course of study.

• Minimum Credit Requirements: Students are required to complete a minimum number of credits per semester according to their enrollment status:
  Full time: 12 credits
  Three-quarter time: 9 credits
  Half time: 6 credits
  Less than half time: all credits attempted

Withdrawals (W), Repeats, Incompletes (I), No Credits (NC), Failing Grades (F), or credits achieved by challenging courses are not considered credits completed for financial aid purposes. All courses offered with credits of credit at Cuesta College will be considered valid credits, including basic skills courses.

• Students must maintain an overall cumulative GPA of 2.0 in all Cuesta College course work.
• Maximum number of credits attempted: The amount of financial aid a student receives is limited by the student’s educational goal/objective. A student may continue to receive financial aid provided the student has not attempted more than 150 percent of the credits required for his or her educational goal. Attempted credits are defined as credits in which the student enrolls, whether or not the student completes those credits or withdraws from them. Once a student achieves his or her goal or exceeds the number of attempted credits, he or she is no longer eligible for financial aid. For example, if a student’s educational objective is to earn an associate degree, the student is required to earn 60 credits to complete that goal. Therefore, a student may earn up to 90 credits (150 percent of the credits required for the goal) and still be eligible for financial aid. Once the student earns beyond 90 credits, he or she is no longer
eligible for financial aid, with the exception of the BOGW.
Note: Transfer credits from other institutions will be included in the
maximum credit count if applicable toward the student's current
objective.
• Students must identify a Cuesta College academic or vocational
goal. Entering students are to attend a Cuesta College Orientation
Workshop. All continuing students must annually complete a
Student Educational Plan (SEP) with an academic counselor.
• First-time financial aid applicants with a cumulative GPA below
2.0 from course work at Cuesta College or another institution
may apply for financial aid and, if eligible, will be awarded for one
semester only. This initial semester will be considered a probationary
period.
• Remedial Credits: Funding is limited to a maximum of 30 remedial
credits. Federal regulations define “remedial” as courses that do not
apply to a degree, certificate or transfer program. For clarification,
students can refer to the Remedial Course Work Limitation section
of this college catalog or contact their academic advisor.

Financial Aid Probation

Any student who does not maintain satisfactory academic progress in
any semester shall be placed on probation for the following semester.
While on probation, the student will continue to receive grants provided
they agree to complete the minimum credits for which they received
payment. However, loan eligibility may be affected. At the end of the
probation period, the student's academic progress will be reviewed
again. Probationary status will be removed if the student has met the
Satisfactory Academic Progress standards. Students who do not make
satisfactory academic progress during the probationary semester will be
placed on financial aid suspension.

Financial Aid Suspension

Students who are placed on financial aid suspension are ineligible to
receive financial aid. Students may request reinstatement of financial aid
upon proof of completion of at least half-time status with a cumulative
2.0 GPA.

Students who have had their financial aid eligibility suspended may file
an appeal with the Financial Aid Advisory Committee, if they feel they
had special circumstances that prevented them from making satisfactory
progress. The committee will meet in person with the student filing
the appeal. If the advisory committee grants mitigating circumstances
for a semester of unsatisfactory progress, financial aid eligibility will
be extended for one semester. This semester will be considered a
probationary period. Students may receive an approved appeal only once
while at Cuesta College.

Return Of Title IV Funds

The U.S. Department of Education requires institutions and students
to repay or refund unearned student aid funds. Student aid may be
considered unearned if a student withdraws completely during a term
in which federal Title IV money was received. Refund and repayment
regulations specify, in a complex formula, exactly how much is due back
to the federal programs from the institution and/or the student.

The Higher Education Act Amendments of 1998 adopted a new
approach for the return of unearned federal funds. The new approach
became law on October 7, 1998, and was implemented during the
2000/2001 year.

Schools have certain responsibilities if a student with Title IV funds:
• Officially withdraws,
• Drops out,
• Is expelled,
• Earns all F's or W's for the semester
• Takes an unapproved leave of absence, or
• Fails to return from an approved leave of absence.

When a student completely withdraws, the institution determines what
percent of the term has not yet expired (determined on a day-to-day
basis). That percentage becomes the amount of money that was not
“earned” by the student or institution. When only 40 percent of the term
remains, 100 percent of funds are considered to be earned.

The return of Title IV funds applies only to federal financial aid funds
received, excluding federal work-study earnings. There is no impact on
state or institutional funds.

Cuesta College complies with all refund requirements established by the
federal Title IV financial aid regulations. These regulations may differ
from the college's regular refund policy. The college's current financial aid
return to Title IV policy may be obtained from the Financial Aid Office.

Financial Aid Office Locations

The Financial Aid Office locations are:
• San Luis Obispo Campus Library Building,
  Room 3125, San Luis Obispo, CA, 93405, (805) 546-3143
• North County Campus, Building N3000, Room N3015,
  2800 Buena Vista Dr., Paso Robles, CA, (805) 591-6202
• Arroyo Grande Center, Arroyo Grande High School, 900 Wing,
  Orchard Ave., Arroyo Grande, CA, (805) 474-3913
• Nipomo Center, Nipomo High School, Room 176,
  525 N. Thompson Rd, Nipomo, CA, (805) 546-3143
• Information can be accessed on the Cuesta College website at
  http://academic.cuesta.edu/finaid
• FAX (805) 546-3152

The Director of Financial Aid will make available the institutional
accreditation documents and the Title IV participation agreement upon
student request. The Title IV Code for Cuesta College is 001192.

HEALTH SERVICES

The Student Health Center, in San Luis Obispo Campus Building 3100,
Room 3150 is normally open during the day when classes are in session and
is open for limited evening hours. In addition, the college operates a Student
Health Center at the North County Campus in Building N3000, Room
3025 with limited hours. For specific information on hours, or to make an
appointment, call the San Luis Obispo Campus center at (805) 546-3171,
or the North County Campus center at (805) 591-6202, ext. 4207.
Information can be accessed on the Cuesta College website at
http://www.cuesta.edu/campus/health

The goals of the Student Health Center are to help students achieve
and maintain optimum physical, mental and emotional health, and
to educate students toward taking responsibility for their own health.
Information on medical records is strictly confidential. All students who
have paid the health fee are eligible to receive services*, which include the
following:
• First Aid Treatment and Illness Assessment
• Temporary Rest Area
• Services and Referrals:
  • Low Cost Medical Care
  • Family Planning/Sexual Health Information
  • Stress Reduction
  • Diet and Nutrition
• Personal Counseling/Crisis Prevention and Intervention
• Substance Abuse
• Insurance Claim Processing for Campus/Athletic Injuries
• Voluntary Low Cost Medical Insurance, Dental Plan (referral to outside carriers)
• Support Staff by Appointment:
  • Nurse Practitioner
  • Registered Nurse
  • Mental Health Professionals - Clinical Psychologist
• Screening and Testing by Appointment:
  • Primary Care Clinic
  • Blood Pressure/Height and Weight/Blood Sugar/Cholesterol
  • Vision and Hearing
  • Tuberculosis Skin Test
  • Male/Female Sexual Health

*Not all services are available at the North County Campus at this time.

INSTITUTE FOR PROFESSIONAL DEVELOPMENT

The Institute for Professional Development (IPD) addresses the Cuesta College mission to support economic growth through assessment, training, coaching, consulting, and facilitation. Training and support services are offered either on or off campus, with flexible hours, no prerequisites and no grades. Business support is delivered through customized contract training for individual company needs, and one-on-one consulting. IPD a staff of professionals, certified trainers, Cuesta College faculty, and industry specialists. IPD is a fee-based program. Training costs are highly competitive. For more information, contact the Institute for Professional Development, Cuesta College at (805) 546-3180, fax (805)546-3107.

INTERCOLLEGIATE ATHLETICS

Cuesta College is a member of the Western State Conference. Other community college conference members include Allan Hancock, Bakersfield, Citrus, College of the Canyons, Glendale, Los Angeles Pierce, Los Angeles Valley, Moorpark, Oxnard, Santa Barbara, Santa Monica, Ventura and West Los Angeles.

Intercollegiate activities include:

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Eligibility rules for intercollegiate competition are prescribed by the Constitution of the Community College League of California and its Commission on Athletics. In order to participate in intercollegiate sports, the student:
• Must be registered for classes including athletic course no later than one month after the beginning of the semester;
• Must be enrolled in and regularly attending 12 credits or more;
• After the first season of competition, must complete 24 semester credits or 36 quarter credits before the second season of competition in any one sport, including credits earned during the first season of competition;
• Once a student becomes an athlete, he/she must maintain a 2.0 GPA to be eligible for additional seasons of sports;
• Must have a Student Educational Plan (SEP) on file.

These regulations are subject to change by conference officials and by the Community College League of California.

Athletic eligibility is determined in the Admissions and Records Office. Questions may be referred to the Director of Admissions and Records or the Vice President of Student Services (or designee).

Cuesta College Athletics offers a Program Assisting Student-Athlete Success (PASS), which provides confidential, professional, and voluntary assistance to support students in dealing with issues that may be adversely affecting their academic, athletic, or personal performance. Educational programs are provided to offer preventive information, to assist in identifying problems, and to promote the general well-being of student athletes. Appropriate referrals for assistance will be made to campus and community resources.

The PASS program consists of six components:
• Academic Advisement
• Academic Status
• Learning Assistance
• Student Athlete Success Class
• Scholarship Recognition
• Personal Development

Athletes who intend to transfer and compete at a four-year college or university should consult Counseling Services regarding eligibility, degree, and transfer requirements.

SMALL BUSINESS DEVELOPMENT CENTER

The Small Business Development Center (SBDC) contributes directly to the economic development mission of Cuesta College. The SBDC provides business technical assistance services to any existing or startup business. The SBDC is a program of Cuesta College in partnership with the University of California, Merced, and the U. S. Small Business Administration. The primary mission of the SBDC is to offer one-on-one counseling to the small business community. Services also include workshops covering the basics of start-up, financing a small business, and marketing a product or service. Other topic-specific workshops are offered as community needs are assessed. Through small business successes, the SBDC contributes to job creation and retention in the region and helps businesses have a positive impact on the local and regional economies.

For more information contact the SBDC at (805) 549-0401 or go to www.smallbusinessinfo.org

STUDENT LIFE AND LEADERSHIP

Student Life & Leadership

The purpose of the Student Life & Leadership program is to assist the student population in the development of programs that serve and actively involve a wide range of students. Opportunities for personal growth are extended to students through leadership and peer counseling courses and programs, community and elementary school internships*, clubs and organizations, and campus events produced by the students themselves.

*Depending on course availability.
Leadership Studies Program

The Leadership Studies program provides a variety of opportunities for students to challenge their perceptions of leadership and to guide them to a new way of critically thinking about their own leadership potential. Courses offered can be used toward earning Certificates of Completion in either Leadership Studies or Service Leadership. Many of the courses offered in this division concentrate on learning how to develop the leader within: raising self-esteem; improving critical-thinking skills; experiencing greater self-awareness; increasing self-motivation; developing mutually supportive relationships; problem-solving/decision-making techniques; and helping others. Courses are interactive and experiential, offering many hands-on opportunities for field work and practicum experiences outside the classroom. Check the current class schedule for course offerings.

Student Activities

Cuesta College’s student government develops a broad spectrum of activities, programs, and services for the student body. Its goals are to provide social contact, entertainment, and leadership opportunities for the campus community. Extracurricular activities foster a sense of unity among individuals, as well as among student groups pursuing specialized interests.

The complete planning and production of various events provide excellent experience for student leaders and enjoyable activities for all. Lectures, film series, forums, bands, community awareness programs, and seasonal and special events are all within the scope of student government sponsorship.

The broad array of student activities involves the educational experience of all members of the Associated Students of Cuesta College. Students plan and develop them and, by taking an active role, experience a personal satisfaction and growth beyond their academic pursuits.

Associated Students of Cuesta College

The Associated Students of Cuesta College (ASCC) operates under regulations authorized in the California Education Code and in the policies of the Cuesta College Board of Trustees. The ASCC is the college's official student government organization. Membership is open to all students who purchase an ASCC Student ID card.

The ASCC is established to promote the general welfare of Cuesta College students; to guarantee equality of opportunity among students; to offer an experience in practice of the American democratic government; and to encourage student participation in, planning for, and involvement in a comprehensive program of student activities. It offers students opportunities to participate in social and cultural events, to share in governance activities, to interact with professionals, and to create and administer their own organizations and programs.

Student Organizations

The college and the ASCC grant recognition to campus organizations including honor societies, service and religious organizations, those with an ethnic/multicultural focus, and departmental and special interest groups. The varied types of clubs not only offer an opportunity for social life but also make a fine contribution to the development of student leadership. Membership and active participation in a reasonable number of these organizations are strongly recommended by the college.

Student Center, Building 5300

The Student Center, located on the San Luis Obispo Campus only, provides a place for comprehensive student life opportunities and activities. Students can take advantage of the various experiences offered in the Student Center, including the ASCC Social Club, which offers free movies, games, a pool table, and live music events. Free legal counseling services are available here for ASCC Student ID cardholders. Club and student government offices also are located in the Student Center. The Student Center is a great place to take a break between classes or possibly get involved beyond the classroom experience. Campus tours for prospective students and their parents are facilitated by Student Life and Leadership staff. Call (805) 546-3289 for more information.

Cultural Center, 5104 A&B (inside the cafeteria)

The Cultural Center, located at the San Luis Obispo campus, supports exploration and awareness of diversity through activities, films, literature, music, and human interaction for the purpose of exchanging, sharing, and understanding all cultures. The Cultural Center’s Mission Statement reads: “The Cuesta College Cultural Center embraces and celebrates the diverse cultural heritage that all Cuesta College students, faculty, and staff bring to the campus community.” Call (805) 546-3100, extension 2194, for further information.

TRANSFER/CAREER SERVICES

The Transfer/Career Center is located in Room 3134, first floor of the San Luis Obispo Campus Library building. The phone number is (805) 546-3162.

Transfer Services

The Transfer/Career Center has a wide variety of resources available to university bound students including college and university catalogs and information, college search materials, major and career books, and study abroad brochures and catalogs. The center maintains information about university transfer requirements, the university application process, articulation agreements and transfer admission guarantee programs. In addition, the center provides internet access with links to assist students completing online admissions applications and researching colleges.

Transfer counselors are available to help students identify their educational goals, research colleges and programs, determine university admission requirements, evaluate transcripts and develop Student Educational Plans (SEP’s). Appointments to meet with a counselor can be made one week in advance beginning the first working day of the week and are available from 8:30 a.m. to 4:00 p.m. Monday through Thursday and from 10:30 a.m. to 4:00 p.m. on Friday.

Transfer/Career Center staff serve as liaisons to colleges and universities and advocate for students in the admission process. Center staff also coordinate university representative visits in which university outreach staff come to campus to meet with Cuesta College students individually.

Transfer Admission Guarantee (TAG programs) are commitments that selected colleges and universities make to Cuesta College students who meet specific credit, GPA, and course requirements. A TAG serves as a contract between the student and college or university. Students who have completed a TAG with a counselor and have met contractual requirements are guaranteed admission.

CUESTA COLLEGE NOW HAS TRANSFER ADMISSION GUARANTEES WITH THE FOLLOWING UNIVERSITIES:

- UC Santa Cruz
- UC Riverside
- UC Santa Barbara
- UC Davis
- UC Irvine
and planning courses taught by career counselors. Career Readiness and Job Shadowing, nine-week career decision-making programs wish to do in-depth career assessment and planning are encouraged to utilize the Eureka Career Information System to obtain information about specific occupations, and check out any of a large number of books related to career and educational planning.

Student wishing to do in-depth career assessment and planning are encouraged to take Courses 254, Career Exploration, and/or Courses 261, Career Readiness and Job Shadowing, nine-week career decision-making and planning courses taught by career counselors.

Transferring to California Polytechnic State University

California Polytechnic State University, San Luis Obispo (Cal Poly) is a part of the California State University (CSU) system. Because admission to Cal Poly is highly competitive, the university utilizes a comprehensive strategy to determine undergraduate admission selection. Candidates are screened and ranked by major. The competitive nature of each major is based on the number of applications received, compared to the number of openings available, and to each applicant’s qualifications.

Applicants for a specific term are asked to submit, by a stated deadline, a Cal Poly application for admission (via the CSU Mentor Internet site), which collects the necessary data to rank each applicant in the selection pool. Selection criteria include completion of specified coursework, grades in specified coursework or and general education classes, and extracurricular activities and work experience.

The Cal Poly Admissions website provides comprehensive information on the admission selection process. Transfer students should pay special attention to the prerequisite coursework listed for their major on the Transfer Preparation Guide available on the Cal Poly Admissions website at www.sss.calpoly.edu/_admiss/.

Because of the special conditions of admission to Cal Poly, it is strongly recommended that students work closely with a Cuesta College counselor to prepare a Student Educational Plan. The course articulation (course equivalency) agreement between Cal Poly and Cuesta College maximizes the number of classes that will transfer for degree credit. In addition to major-specified prerequisite courses, Cal Poly will give preference for most majors to students who complete their General Education Breadth Certification or the Intersegmental General Education Transfer Curriculum (IGETC) prior to transfer. Students applying as upper-division transfer applicants to Cal Poly with all recommended prerequisite courses completed for their major traditionally have a higher rate of acceptance to the University.

Articulation Agreements

Students who wish to transfer need to become familiar with the articulation agreements Cuesta College has established with four-year universities and colleges in general education and in specific majors.

Articulation agreements are available to students through counselors/ academic advisors and in the Transfer Center. Most articulation agreements also can be accessed through the Internet or ASSIST (www. assist.org). Easy-to-follow instructions allow students access to specific course requirements for all colleges where Cuesta College has established agreements.

ASSIST

ASSIST (Articulation Subsystem Stimulating Inter-institutional Student Transfer) is a student-transfer information system available at www.assist.org. ASSIST displays reports describing how courses completed at a California community college will be applied to an undergraduate degree when they are transferred to a California State University or University of California campus. As the official repository of articulation for California’s public colleges and universities, ASSIST provides the most accurate and up-to-date information available about student transfer within the state of California. Students who are planning to transfer to a California State University or a University of California campus are encouraged to utilize ASSIST information (in consultation with a counselor) for important information about the transfer and articulation process.

VETERANS

Cuesta College is approved for the training of veterans under the various public laws of the United States and the California Veterans Program.

Any student who plans to enroll under any federal or state program must contact the Cuesta College Veterans Office, (805) 546-3142 which will supply all necessary forms and information.

Students who are children or widows of veterans who died as a result of military service, or who are dependents of veterans who are totally disabled as a result of such service or peace time military service since September 16, 1940, may be eligible for assistance from the Veterans Administration or the State of California. Satisfactory scholarship, attendance, and program progress are required for all students receiving benefits from any federal or state agency.

Rules and regulations pertaining to veterans’ training are subject to change at any time. Veterans are advised to check with the Cuesta College Veterans Office to receive a copy of the latest requirements, rules, and regulations. It is the veteran’s responsibility to inform the Veterans Office of any changes to his or her schedule and program.

CalWORKS

CalWORKS at Cuesta College is a comprehensive program designed to provide fast-track curriculum options, employment services, academic and career counseling, and supportive services for the welfare-to-work
student. Welfare-to-work students are those who are enrolled at Cuesta College and receive cash assistance from the Department of Social Services for themselves and their children.

Services include:
- Career education and job seeking skills including vocational assessments as well as resume and interview preparation;
- Integrated job training and education programs;
- Networking with other established Cuesta programs to provide support services;
- Placement of CalWORKs students in work activities that enable them to meet work requirements, gain practical work experience, and meet educational goals, i.e., work study positions, internships, and job placement on/off campus;
- Academic counseling and student development plans that work with welfare to work plans.
- Life management and assessment with supportive counseling and crisis intervention.

In partnership with community agencies such as, the Department of Social Services, One Stop Career Centers, as well as local employers, the goal of CalWORKs is to assist the TANF student's transition from welfare to employment and financial self-sufficiency.

CalWORKs staff are located at Career Connections, Student Center, Room 5310, (805) 546-3204.
INSTRUCTIONAL PROGRAMS

INSTRUCTIONAL DIVISION CHAIRS AND DIRECTORS
ASSOCIATE DEGREE REQUIREMENTS
DEGREE AND CERTIFICATE GENERAL INFORMATION
LIST OF DEGREES AND CERTIFICATES
DEGREE AND CERTIFICATE REQUIREMENTS
INSTRUCTIONAL DIVISION CHAIRS AND DIRECTORS

CREDIT PROGRAMS

ACADEMIC SUPPORT/ DISABLED STUDENT PROGRAMS AND SERVICES
Patrick Schwab, Director
Academic Skills

ATHLETICS
Bob Mariucci, Director

BIOLOGICAL SCIENCES
Ron Ruppert, Chair
Biology

BUSINESS EDUCATION
Virginia Findley, Chair
Gary Rubin, North County Coordinator
Business Administration
Computer Applications/Office Administration
Computer Information Systems
Economics
Hospitality
Legal
Paralegal
Real Estate
Work Experience

COUNSELING
Candelario Munoz, Director
Counseling

ENGLISH
Dennis Baeyen, Chair
Sean Boling, North County Coordinator
English

ENGLISH AS A SECOND LANGUAGE
Douglas Pillsbury, Chair
Regina McKeown, North County Coordinator
English as a Second Language

ENGINEERING AND TECHNOLOGY
Chris Akelian, Chair
Agricultural Technology
Architecture
Automotive Technology
Construction Technology
Criminal Justice
Electronics Technology
Engineering
Welding

FINE ARTS
Guyla Amyx, Chair
Art

HUMAN DEVELOPMENT
Don Norton, Chair
Bailey Drechsler, North County Coordinator
Culinary Arts
Early Childhood Education
Family Studies
Fashion Design and Merchandising
Interior Design
Nutrition

LANGUAGES AND COMMUNICATIONS
Ralph Sutter, Chair
Beth-Anne Dumas, North County Coordinator
Broadcast Communications
French
German
Journalism
Sign Language
Spanish
Speech

LIBRARY/LEARNING RESOURCES
Mark Stengel, Director
Library/Information Technology
Online

MATHEMATICS
Marie Larsen, Chair
Rich Taylor, North County Coordinator
Mathematics

NON-CREDIT PROGRAMS
Matthew Green, Director
Emeritus College
English as a Second Language
English as a Second Language, Vocational

NURSING AND ALLIED HEALTH
Vacant, Director
Pam Peachey, Chair/Assistant Director
Fay Johnson, North County Coordinator
Emergency Medical Services
Licensed Vocational Nursing
Medical Assisting
Nursing Assistant
Nursing, Registered
Psychiatric Technician

PERFORMING ARTS
Jennifer Martin, Chair
Drama
Music

PHYSICAL EDUCATION
Walt Rehm, Chair
Dance
Health Education
Physical Education Adapted
Physical Education Activity
Physical Education Athletics
Physical Education Theory
Wellness

PHYSICAL SCIENCES
Kathy Jimison, Chair
Bret Clark, North County Coordinator
Astronomy
Chemistry
Geology
Physical Science
Physics

SOCIAL SCIENCES
Randy Gold, Chair
Brent LaMon, North County Coordinator
Anthropology
Geography
History
Philosophy
Political Science
Psychology
Sociology

STUDENT LIFE AND LEADERSHIP
Anthony Gutierrez, Coordinator
Leadership
ASSOCIATE DEGREE REQUIREMENTS

Associate Degree Application

A Cuesta College Application for Associate Degree (A.A./A.S.) must be completed by each student who wishes to receive an Associate in Arts or Associate in Science degree. The application is available on the Admissions and Records web site and should be submitted to the Admissions and Records Office one semester in advance of the term in which the student plans to complete the requirements. Commencement ceremony will be held the last Friday of the Spring Semester.

DEGREES AND CERTIFICATES

Degrees and certificates are awarded at the completion of each semester after degree requirements have been confirmed. Degree posting dates reflect the final date of the traditional semester or session in which the requirements were completed. See Instructional Programs section for a listing of degree and certificate programs.

Degree candidates are encouraged to participate in the Cuesta College commencement ceremony which takes place each spring on the San Luis Obispo campus.

Only those candidates whose degree requirements have been met will receive a diploma and/or a certificate.

Cuesta graduates may request a replacement diploma through the Evaluations office at a cost of $10.00.

CATALOG RIGHTS

A student who satisfies the following definition of attendance will follow the Cuesta College curriculum for degrees, general education, and certificates in effect:

- at the time the student began attendance at a California Community College, California State University, University of California, regionally accredited college or university; or
- at the time the student began attendance at Cuesta College; or
- as outlined in a subsequent Cuesta College catalog.

“Attendance” means attendance in at least one semester or two quarters each academic year. A student who misses two consecutive semesters, or three quarters in an academic year, excluding summer school, will lose catalog rights. In that case, the student must follow (1) the Cuesta College catalog that coincides with the student’s date of re-enrollment, or (2) a subsequent Cuesta College catalog. A total withdrawal in a semester does not constitute a one-semester break in enrollment when “Ws” are posted on a student record. Campus authorities may authorize or require substitutions for discontinued courses in certificate or degree programs.

RESIDENCY REQUIREMENT

Residency Requirements are met by enrolling in coursework through Cuesta College. Courses taken through “challenge” or credit by exam do not meet residency requirements.

- A.A./A.S. DEGREE - A minimum of 12 semester units must be completed in residence at Cuesta College before a degree may be granted.
- ADVANCED PLACEMENT CREDIT - A minimum of 12 units must be completed in residence at Cuesta College before credit can be awarded.
- CERTIFICATE OF PROFICIENCY - A minimum of two of the required courses must be completed in residence at Cuesta College.

- GENERAL EDUCATION CERTIFICATION - A minimum of 3 units must be completed in residence at Cuesta College before certification may be granted.
- HOSPITAL DIPLOMA CREDIT - A minimum of 12 units must be completed in residence at Cuesta College before credit can be awarded.
- MILITARY CREDIT - A minimum of 12 units must be completed in residence at Cuesta College before credit can be awarded.

REQUIREMENTS FOR ASSOCIATE IN ARTS OR ASSOCIATE IN SCIENCE DEGREE

Graduates from Cuesta College have conferred upon them the degree of Associate in Arts or Associate in Science. Requirements for graduation are prescribed by the Board of Governors of the California Community Colleges and the District Board of Trustees.

Liberal Arts

The Associate of Arts in Liberal Arts Degree is designated for students who wish a broad knowledge of liberal arts and sciences plus additional coursework in an “Area of Emphasis.” The Associate of Arts in Liberal Arts Degree would be an ideal choice for students planning on transferring to the California State University or University of California, as the student can satisfy their general education requirements with an additional focus on transferable coursework related to majors at CSU or UC.

- Choose either option I or II or III for the General Education pattern related to your educational goal.
- Complete 18 credits in one “Area of Emphasis” from those outlined below. (Note: where appropriate, courses in the “Area of Emphasis” may also be counted for a GE area).
- For ALL OPTIONS, complete the necessary Cuesta College graduation and proficiency requirements. (See the section in the Cuesta College Catalog and meet with a counselor).
- All classes listed below transfer to CSU. Courses in BOLD are also transferable to UC. Refer to www.ASSIST.org for transfer credits.

I. ASSOCIATE IN ARTS DEGREE: Students selecting this option must complete all of the required courses for Cuesta College AA/AS General Education Platter.

II. CSU/GE: Students selecting this option must complete all of the required courses for CSU GE certification.

III. IGETC: Students selecting this option must complete all of the required courses for IGETC certification.

AREAS OF EMPHASIS:

- 18 credits required from one Area of Emphasis.
- Courses selected can be used to fulfill GE areas.
- For depth, include a minimum of two courses from a single discipline. For breadth, include at least three disciplines in your selection.

NOTE: Effective fall 2009, a grade of “C” or better is required for all courses taken in an area of emphasis.

ELECTIVE CREDITS: Electives may be necessary to total the 60 overall units required for the Associate Degree.

Designated Degree

Sixty (60) semester units of degree applicable college level work with an average of “C” or better are required (2.0 GPA). A minimum of 12
semeter degree applicable units must be completed at Cuesta College. Minimum of 18 semester units of General Education (Refer to “General Education Requirements.”) English and math competency requirements Diversity requirement Health requirement See the specific course requirements listed for the Designated Degree under the “Degree and Certificates” section of this catalog.

GENERAL EDUCATION

General education is a coherent pattern of courses intended to serve three purposes: Taken as a whole, the program is intended to strengthen students’ essential intellectual skills; broadly introduce students to the core concepts and methods of the major disciplines; and prepare students to lead enriched lives in our multicultural society. General education courses are distinguished from those required for a major or allowed as freely chosen electives. Courses in the general education category are “general” in two senses: independently, they survey the core concepts and methods of the discipline in which they are included; and they point, where possible, to the influences and contributions of the discipline to other disciplines, culture, human history and our quest to understand our universe.

Through this program, students will acquire the ability to think and communicate clearly and effectively both orally and in writing; to use mathematics and other symbolic systems; to understand the modes of inquiry of the major disciplines; to appreciate the structures and processes of the natural environment; to be aware of other cultures and times; to achieve insights by thinking about ethical and social problems; to understand and appreciate the history of US culture and its governing institutions.

CRITERIA FOR GENERAL EDUCATION COURSES

Upon completion of the general education course pattern, in addition to the area-specific outcomes, students should be able to:
- identify, explain, and analyze the core concepts and methods of the major discipline in which the course is included;
- identify, explain, and analyze the influences and contributions of the specific discipline to other disciplines, culture, human history, and our quest to understand the universe.
- organize, integrate, and critically analyze information within the course, using these skills to generate and evaluate alternative perspectives; and
- prepare students to live enriched lives in our multicultural society.

ASSOCIATE IN ARTS OR SCIENCE DEGREE

In order to qualify for a degree from Cuesta College, students must complete 60 associate degree applicable semester units with a 2.0 grade point average. At least 12 of the 60 units must be earned at Cuesta. Students must take a minimum of 18 units of General Education coursework (one course in each category) and meet the English and Math competency requirements, the Health Education requirement, and the diversity requirement. A.S., requires 18 units in math/science courses.

GENERAL EDUCATION CATEGORIES AND REQUIREMENTS

Categories of courses that fulfill general education requirements and the criteria for inclusion in each of the categories are as follows:

AREA A: PHYSICAL AND LIFE SCIENCES

After successfully completing courses in this category, students will understand the scientific method and its role in research, analyze problems in a structured way, and develop and employ strategies for solutions using scientific principles. Students will understand the empirical basis for current scientific theories, how those theories develop and change, and how they explain the natural world. Students also will appreciate the influence of scientific knowledge on the development of civilization.

Select one from the following courses:

Anthropology
201 Physical Anthropology (3)

Astronomy
210 Astronomy (3)

Biology
201A Biology (5)
204 General Bacterology (5)
205 Human Anatomy (4)
211 Life Science (3)
212 Human Biology (3)
216 Plants & People (4)
220 Environmental Biology (3)
221 General Ecology (4)
222 Introduction to Marine Science (3)
224 Principles of Natural History (3)

Chemistry
21A General College Chemistry
210 Introduction to Chemistry
210FL Introduction to Chemistry with Facilitator Assisted Learning (4)
211 Introductory Organic/Biochemistry (4)

Electronics Technology
213 Electronics Fundamentals (6)

Geology
210 Physical Geology (4)
211 Historical Geology (4)
220 Geology of California (3)

Nutrition
210 Nutrition (3)
211 Introduction to Nutrition for Health Professionals (3)

Oceanography
210 Oceanography (3)

Physical Science
201A Physical Science: Physics and Chemistry (3)
201B Physical Science: Astronomy and Geology (3)

Physics
205A General Physics (4)
208A Principles of Physics (5)
210 Introduction to Physics (3)
130 Technical Physics (3)

Psychology
202 Introduction to Biological Psychology (3)
**AREA B: SOCIAL AND BEHAVIORAL STUDIES**

After successfully completing courses in this category, students will understand the theories and be able to employ and evaluate the methods of social science inquiry. Students will be able to analyze and critically assess ideas about the individual, social groups, institutions and society, as well as their interrelationships, structure and function. Students will be able to use this knowledge to develop a capacity for self-understanding and to understand contemporary issues, conflicts, problems and their origins.

Select one from the following courses:

<table>
<thead>
<tr>
<th>Anthropology</th>
<th>202</th>
<th>Archaeology (3)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>203</td>
<td>Cultural Anthropology (3)</td>
</tr>
<tr>
<td></td>
<td>225</td>
<td>Contemporary Culture of the World (3)</td>
</tr>
<tr>
<td>Early Childhood Education</td>
<td>201</td>
<td>Child Growth and Development (3)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Economics</th>
<th>201A</th>
<th>Principles of Economics (3)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>201B</td>
<td>Principles of Economics (3)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Family Studies</th>
<th>212</th>
<th>Human Development Life Span (3)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>214</td>
<td>Marriage and Family Relations (3)</td>
</tr>
<tr>
<td></td>
<td>215</td>
<td>Developmental Patterns of Women (3)</td>
</tr>
<tr>
<td></td>
<td>270</td>
<td>Introduction to Addiction Studies: Addiction and the Community (3)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Geography</th>
<th>201</th>
<th>Physical Geography (3)</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>202</td>
<td>Cultural Geography (3)</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>History</th>
<th>203A</th>
<th>History of World Civilization (3)</th>
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<tbody>
<tr>
<td></td>
<td>203B</td>
<td>History of World Civilization (3)</td>
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<tr>
<td></td>
<td>204A</td>
<td>History of Western Civilization (3)</td>
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<td></td>
<td>204B</td>
<td>History of Western Civilization (3)</td>
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<tr>
<td></td>
<td>207A</td>
<td>History of the United States (3)</td>
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<td></td>
<td>207B</td>
<td>History of the United States (3)</td>
</tr>
<tr>
<td></td>
<td>208A</td>
<td>History of Latin America (3)</td>
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<td></td>
<td>208B</td>
<td>History of Latin America (3)</td>
</tr>
<tr>
<td></td>
<td>210</td>
<td>History of California (3)</td>
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<td></td>
<td>212</td>
<td>History of the Mexican-American (3)</td>
</tr>
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<td></td>
<td>219</td>
<td>History of the Far East (3)</td>
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<td></td>
<td>233</td>
<td>Afro-American History (3)</td>
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<td></td>
<td>235</td>
<td>The History of African Civilization (3)</td>
</tr>
<tr>
<td></td>
<td>237</td>
<td>History of American Women (3)</td>
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<tr>
<td></td>
<td>239</td>
<td>The History of the Role of Women (3)</td>
</tr>
</tbody>
</table>

| Legal | 217  | Introduction to Law (3) |

<table>
<thead>
<tr>
<th>Political Science</th>
<th>201</th>
<th>Introduction to Political Science (3)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>202</td>
<td>Government and Politics of the United States (3)</td>
</tr>
<tr>
<td></td>
<td>204</td>
<td>World Politics (3)</td>
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<td></td>
<td>205</td>
<td>Law and Politics (3)</td>
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<td></td>
<td>206</td>
<td>Comparative Government (3)</td>
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<tr>
<td></td>
<td>209</td>
<td>Introduction to Political Theory (3)</td>
</tr>
</tbody>
</table>

**AREA C: ARTS AND HUMANITIES**

After successfully completing courses in this category, students will recognize the value of the great works of the human imagination in a broad context and understand their contribution to human culture. They will be able to analyze and appraise cultural/artistic achievements in verbal and/or non-verbal forms. Since language acquisition is a door to understanding the arts and humanities of other cultures, students who acquire second language skills also fulfill the category C requirement.

Select one from the following courses:

<table>
<thead>
<tr>
<th>American Sign Language</th>
<th>215A</th>
<th>Beginning American Sign Language (3)</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>215B</td>
<td>American Sign Language II (3)</td>
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<td></td>
<td>215C</td>
<td>American Sign Language III (3)</td>
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<td></td>
<td>215D</td>
<td>American Sign Language IV (3)</td>
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</tbody>
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<thead>
<tr>
<th>Art</th>
<th>200</th>
<th>Art Appreciation (3)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>203</td>
<td>Survey of Art History: Old Stone Age through Gothic (3)</td>
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<td></td>
<td>204</td>
<td>Survey of Art History: Renaissance through 19th Century (3)</td>
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<td>205</td>
<td>Survey of Art History: 20th Century (3)</td>
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<td></td>
<td>206</td>
<td>Survey of Art History: Non-Western Art (3)</td>
</tr>
<tr>
<td></td>
<td>220</td>
<td>Fundamentals of 2-D Design (2-3)</td>
</tr>
<tr>
<td></td>
<td>221</td>
<td>Beginning Drawing (2-3)</td>
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<td></td>
<td>240</td>
<td>Introduction to Print Media (2-3)</td>
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<td></td>
<td>270</td>
<td>3-Dimensional Design (2-3)</td>
</tr>
<tr>
<td></td>
<td>271</td>
<td>Beginning Sculpture (2-3)</td>
</tr>
<tr>
<td></td>
<td>280</td>
<td>Ceramics (2-3)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Drama</th>
<th>201A</th>
<th>Principles of Acting (3)</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>205</td>
<td>Introduction to Dramatic Literature (3)</td>
</tr>
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<td></td>
<td>206</td>
<td>Theater Appreciation (3)</td>
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<tr>
<td></td>
<td>207</td>
<td>Introduction to the Theatre (3)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>English</th>
<th>201B</th>
<th>English Composition: Introduction to Literature (3)</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>205</td>
<td>Introduction to Poetry (3)</td>
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<td>206</td>
<td>Introduction to the Novel (3)</td>
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<td></td>
<td>207</td>
<td>Introduction to the Short Story (3)</td>
</tr>
<tr>
<td></td>
<td>212A</td>
<td>American Literature (3)</td>
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<tr>
<td></td>
<td>212B</td>
<td>American Literature (3)</td>
</tr>
<tr>
<td></td>
<td>213</td>
<td>Multicultural Voices in American Literature (3)</td>
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<tr>
<td></td>
<td>215</td>
<td>Shakespeare (3)</td>
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<tr>
<td></td>
<td>216</td>
<td>Literature and Film (3)</td>
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<tr>
<td></td>
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<td>Literature by Women (3)</td>
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<tr>
<td></td>
<td>231</td>
<td>Creative Writing (3)</td>
</tr>
<tr>
<td></td>
<td>244A</td>
<td>European Literature (3)</td>
</tr>
<tr>
<td></td>
<td>244B</td>
<td>European Literature (3)</td>
</tr>
<tr>
<td></td>
<td>246A</td>
<td>Survey of British Literature (3)</td>
</tr>
<tr>
<td></td>
<td>246B</td>
<td>Survey of British Literature (3)</td>
</tr>
</tbody>
</table>
### French
- 201 Elementary French (4)
- 202 French (4)
- 203 French (4)

### German
- 201 Elementary German (4)
- 202 German (4)
- 203 German (4)

### Interior Design
- 240 Design and History of Furniture: Ancient - 18th Century (3)
- 245 Design and History of Furniture: 18th - 20th Century (3)

### Music
- 230A Music History (3)
- 230B Music History (3)
- 235 Music Appreciation: Classical Music (3)
- 237 Music Appreciation: American Popular Music (3)
- 238 Music Appreciation: Jazz History (3)
- 239 Fundamentals of Music (3)

### Philosophy
- 205 Introduction to the Bible (3)
- 206 Introduction to Philosophy (3)
- 209 World Religions (3)
- 212 Philosophical Classics in Theory of Reality (3)
- 213 Philosophical Classics in Ethics and Social Philosophy (3)

### Spanish
- 201 Elementary Spanish (4)
- 202 Spanish (4)
- 203 Spanish (4)

### Speech
- 202A Oral Interpretation of Literature (3)

### Journalism
- 201A News Writing and Reporting (3)
- 201B Introduction to Mass Communication (3)

### Speech
- 201A Public Address (3)
- 210 Small Group Discussion (3)
- 212 Intercultural Communications (3)
- 215 Argument and Debate (3)

### Area D2: Analytical Thinking
After successfully completing courses in this category, students will be able to construct and analyze statements in a formal symbolic system, and understand the relationship between the symbolic system and its various applications in the real world. Students will also appreciate the strengths and limitations of the system, its logical structure, and its derivation.

Select from the following fulfillment alternatives:

#### Alternative 1
- Math
  - 119 Elementary College Mathematics (3)
  - 122 Two-Semester Beginning Algebra: Part 2 (5)
  - 123 Elementary Algebra (5)

#### OR

#### Alternative 2
- Fulfill the Math competency* requirement through assessment and complete one of the following:
  - Math
    - 125 Plane Geometry (3)
    - 126A Intermediate Algebra - Part 1 (5)
    - 126B Intermediate Algebra - Part 2 (5)
    - 127 Intermediate Algebra (5)
    - 229 Trigonometry (3)
    - 230 College Mathematics for the Humanities (3)
    - 231 Trigonometry with Geometric Foundations (5)
    - 232 College Algebra
    - 236 Introduction to Applied Statistics (3)
    - 242 Precalculus Algebra (5)
    - 247 Introduction to Statistics (4)
    - 255 Calculus for Business and Management (3)
    - 265A Analytic Geometry and Calculus (5)

### Philosophy
- 208 Introduction to Logic (3)

### Area E: American Institutions
After successfully completing courses in this category, students will understand the impact of social, political, and economic forces in the historical development of the US. Students will be able to employ
interpretive skills to analyze historical causes and effects. Students will have an enhanced understanding of the interrelationship among the branches of our government over time. Students will also develop an understanding of US cultural and social diversity, and ethnic, gender, and class conflict.

Select one from the following courses:

**History**
- 207A History of the United States (3)
- 207B History of the United States (3)

**Political Science**
- 202 Government of the United States (3)

*ENGLISH AND MATH COMPETENCY REQUIREMENT*

Competency in reading, written expression, and mathematics must be demonstrated. The reading and written expression competency requirements are satisfied by either being assessed at the eligible level for English 201A; or by completing English 201A with a passing grade; or by taking English 156, or English 165 with a grade of “C” or better.

The math competency requirement is satisfied by completing Math 119 or 122 or 123 with a grade of C or better or by scoring a 70% or higher on either the Cuesta College Math Assessment Test # 2 or the Math 123 Proficiency Test.

**DIVERSITY REQUIREMENT**

After successfully completing the requirement, students will be able to identify, assess, and challenge biased assumptions and behaviors of individuals and societal institutions; analyze inter-group relations within categories of identity, such as race, ethnicity, gender, religion, sexual orientation, class, ability, nationality, or age; and examine struggles of non-dominant groups for power, justice, and access to resources.

Select one from the following:

**Anthropology**
- 203 Cultural Anthropology (3)
- 220 California Indians (3)

**Business Education**
- 260 International Business (3)

**Early Childhood Education**
- 215 Multicultural/Anti-bias Curriculum (3)

**English**
- 213 Multicultural Voices in American Literature (3)
- 217 Literature by Women (3)

**Family Studies**
- 213 Ethnic Identity Development Across the Life Span (3)
- 215 Developmental Patterns of Women (3)

**Health Education**
- 203 Women’s Health Issues (3)
- 208 Multicultural Health (3)

**History**
- 237 History of American Women (3)
- 239 History of the Role of Women (3)

**Legal**
- 217 Introduction to Law (3)

**Nutrition**
- 222 Food Customs and Culture

**Psychology**
- 206 Introduction to Social Psychology (3)

**Sociology**
- 202 Social Problems (3)
- 206 Minority Group Relations (3)
- 208 Introduction to Women’s Studies (3)

**Speech**
- 212 Intercultural Communication (3)

Completion of Nursing, Registered Degrees:
- A.S., Nursing, Registered
- C.P., Nursing, Registered
- C.P., Nursing, Registered (30 Unit Option)

**HEALTH REQUIREMENT**

After successfully completing this requirement, students will be able to apply a breadth & depth of knowledge that is inclusive of all the dimensions of health e.g., spiritual, environmental, social, mental & emotional, and physical. The scope and content of the health education course work this requirement provides the student with the knowledge and problem solving skills essential to evaluate health literature, analyze personal health risks and promote lifestyle choices. This preparation empowers the student to make relevant choices applicable to their genetic, environmental, and health risk factors that ultimately optimize mind/body/spirit health over a lifetime.

- Descriptive and discussion content of the major chronic diseases in the United States.
- Evaluation of individual risk factors for chronic diseases from a genetic, environmental, and lifestyle perspective.
- Descriptive and discussion content about communicable diseases/infections (e.g., STI’s, Hepatitis C) including symptoms and prevention.
- Analyzing the influence of environmental and nutritional concepts on food choices.
- Relating diet, exercise, and stress management to prevention of diseases and psychological wellbeing.
- Developing an appropriate physical fitness program that includes cardiovascular conditioning, muscle strength and endurance training, and flexibility.
- Examining the relationship between values and beliefs and mental health. Utilize this relationship to create effective interpersonal communication in relationships, coping, prevention of addictive behaviors and personal safety.
- Analyze and apply spiritual concepts to improve health and wellness.

Select one from the following:

**Health Education**
- 202 Health Education (3)
- 203 Women’s Health Issues (3)
- 208 Multicultural Health (3)

Completion of Nursing, Registered Degrees:
- A.S., Nursing, Registered
- C.P., Nursing, Registered
- C.P., Nursing, Registered (30 Unit Option)
DEGREE AND CERTIFICATE
GENERAL INFORMATION

CAREER PROGRAMS

Cuesta College offers two types of academic programs with occupational emphasis: programs leading to an Associate in Arts or Associate in Science degree and programs leading to a Certificate of Achievement and/or Certificate of Specialization. Both provide instruction in the skills and knowledge needed to enter or to make progress in an occupation. The student who wants to pursue a career-oriented program must be eligible to enroll at Cuesta College.

The Associate in Arts and Associate in Science degree programs require completion of a series of general education, health, and diversity courses in addition to courses which are career-oriented. Refer to the "Associate Degree Requirements" section of this catalog.

Vocational programs are developed by the college in close cooperation with advisory committees composed of representatives from business, industry, and the college. These advisory committees review course content to make certain that the instruction and curriculum provide current skills, and recommendations are made to update the curriculum. In this manner, students in these programs receive the most current information and skills to prepare them for employment in their chosen field.

Frequently a student’s educational goal will change. The college recognizes the mobility within our society and the necessity of changing education needs and goals. Therefore, students can switch from a degree program to a certificate program without loss of credit. The reverse is also true.

Certificate programs require completion of a course or a series of courses. Typically, students who seek certificates wish to complete a career program as quickly as possible to obtain employment. Many students complete the requirements for the certificate, attain employment, and return to Cuesta College to complete the additional general education requirements for an Associate degree or requirements for transfer.

A list which includes the various career programs with transfer, degree, or certificate designation appears later on in this document. Following the list are the specific course(s) required for each transfer, degree, and certificate program.

Counseling Services can provide additional information to plan a specific program not covered in this catalog.

Courses listed in this catalog may not be offered each semester. Consult with a college counselor or obtain a current class schedule to determine if a needed class is being offered.

Requirements for the Certificate of Achievement shall be as follows:
• Completion of certificate application
• Successfully complete the minimum of prescribed courses in the major area of study. At least two of the courses must be taken at Cuesta College.
• A minimum grade of “C” for each course.

Applications for either one of the certificates are available on the Cuesta College Website and at the Admissions and Records Office.

EVALUATIONS, WAIVERS AND SUBSTITUTIONS

The Evaluations Office will determine progress toward a degree at the time a degree application is submitted. Included in the evaluation will be consideration of course work according to college policy. Students may initiate a waiver/substitution petition through Counseling Services for special circumstances or when requirements change.

UNITS NOT USED TOWARD DEGREES/ CREDENTIALS

Continuing Education Units (CEU)

Though earned at colleges and universities, continuing education courses are designed for personal enrichment or job advancement and may not be used toward degree requirements.

Non-Degree Applicable Units

Non-degree applicable college courses may not be used to meet degree curriculum or unit requirements. There will be no exceptions to this policy. Designation of degree applicable or non-degree applicable will be according to the catalog the student is eligible for or is currently following.

Units from Non-Accredited Institutions

Cuesta College will only accept course work from institutions that are recognized by a regional accrediting agency.

A publication titled, “Accredited Institutions of Postsecondary Education,” published by the American Council on Education, is used for verification of accreditation. The publication is available in Counseling Services and in the Evaluations Office.

Upper Division Course Work

Course credit from colleges and universities that are at the upper division, junior or senior level, as determined by the institution, will not be used toward the 60 semester units required for an associate degree.

A student must petition to have upper division course content satisfy certain degree and certificate requirements. Contact Counseling Services for clarification of the waiver/substitution petition process.

CREDIT FOR ALTERNATIVE EDUCATION

Cuesta College affirms that there is merit in awarding college credit for other than the traditional classroom experiences when those experiences represent learning that may be validated. Therefore, Cuesta College awards credit according to the policies stated below.

Advanced Placement Examination

Cuesta College recognizes the high level of achievement of the student who has successfully completed one or more advanced placement examinations authorized by the College Entrance Examination Board (CEEB) and shall award credit based upon the criteria established by...
the college. Students may receive credit but no grade for some courses if they have scored a 3, 4, or 5 on the College Board Advanced Placement Examination (AP). The students must have completed at least 12 units at Cuesta College prior to receiving AP credit. For more information contact the Director of Counseling Services.

Credit for Educational Training in the Military
For currently enrolled students, in good standing, who have completed at least 12 units of “C” average work at Cuesta College, the college may grant up to 12 units of college credit in accordance with the recommendations of the American Council on Education for educational training completed in the military service. Educational work completed through the United States Armed Forces Institute (USAFI) will also be accepted with no unit maximum. For more information contact the Admissions and Records Office.

Credit by Examination (Challenge of Courses)
Credit by examination enables students to use their acquired knowledge, abilities and competencies to challenge certain existing courses for units of credit.

Petitions for credit by examination must be complete and submitted to the Admissions and Records Office no later than the Friday of the fourth week of the fall or spring semester or the Friday of the second week of summer session.

These requirements must be met in order to qualify for Credit by Examination:
- The course is listed in the catalog and appears on the list of classes that may be challenged.
- The student has completed all prerequisites for the course.
- The student is duly registered, in good standing, and has completed at least 12 units of “C” average work at Cuesta College.

The following restrictions apply per Cuesta College Board Policy R6400:
- A course may be challenged for a letter grade or on a credit/no credit basis if the course has an either/or grade option code.
- A maximum of 15 semester units may be challenged.
- A course may not be challenged more than once.
- Units received through a challenge may not be used to satisfy eligibility requirements for athletics, financial aid or veteran’s benefits.
- For courses that involve a lab, the examination will include a lab portion, studio portfolio evaluation or a similar demonstration of ability.
- Units received through challenge may not be used to satisfy residency requirements for the associate degree.

For more information, refer to the “Petition for Credit by Examination” form available in the Admissions and Records Office.

Independent Studies
The option of Independent Study at Cuesta College provides an opportunity for an in-depth study or practicum experience by an individual student in a selected topic under the direction of an instructor. In order to qualify, a student must not be on academic probation, must be enrolled in another class in addition to the independent study course, and must have completed the prerequisite and preparatory course work. A student may not earn more than two units for an independent study course in any term. To initiate independent study, a student should confirm through the Admissions and Records Office eligibility to enroll in an independent study course and should contact the appropriate academic division.

Credit for Hospital Diploma
A student who holds a current California R.N. license and who has earned at least 12 units of Cuesta College credit in residence may receive up to 35 Cuesta College credits for work previously earned at a hospital diploma nursing school as follows:
- Up to 18 semester units of course credit for specific diploma school nursing subject courses that have been evaluated by the Cuesta College director of nursing as equivalent to one or more of the courses required in the major for the current Cuesta College Registered Nursing designated degree; and
- Up to 12 semester units of additional elective, not-specified credit, none of which can be used for requirements in general education.

California Highway Patrol Academy and Approved Sheriff’s Academies
For currently enrolled students, in good standing, who have completed at least 12 units of “C” average work at Cuesta College, up to 12 elective units may be allowed upon completion of the California Highway Patrol Academy or any approved academy of an administration of justice unit. For more information contact the Criminal Justice department of the Business Education Division.

College Level Examination Program (CLEP)
The College Level Examination Program (CLEP) provides credit for successful completion of examinations and is based upon the premise that significant learning can and does take place outside of an educational institution. Evaluation of CLEP exams are conducted by the appropriate instructional area. CLEP exams are subject to an evaluation based upon meeting course context. Students may petition the director of counseling services for review and credit for each examination. This avenue is available for currently enrolled students in good standing. For more information contact the Director of Counseling Services.

Tech Prep
Local High School Students may receive Cuesta College credit for approved technical and vocational courses, through the San Luis Obispo County Tech Prep Articulation Agreement process. A specialized “Credit by Examination process” allows high school students to challenge the content and/or skill proficiency of specific courses, provided a valid Tech Prep articulation agreement between the student’s high school and Cuesta College is maintained. Enrollment fees are waived for students currently enrolled in high school who have been in residence in San Luis Obispo County for at least one year. Each student must fill out a Cuesta College admission application and a “Permit to Enroll” form, and submit a transcript to the Cuesta College Records Office.

For more information, contact the Tech Prep Office at 805-546-3100 ext 2533.
LIST OF DEGREES AND CERTIFICATES

Agricultural Technology
A.A. – Associate in Arts
A.S. – Associate in Science
C.A. – Cert. of Achievement
C.S. – Cert. of Specialization

Agricultural Technology
A.S. Agricultural Systems Management
A.S. Animal Science
A.S. BioResources and Agricultural Engineering
A.S. Crop Science
A.S. Dairy Product Technology
A.S. Dairy Production
A.S. Environmental Horticulture Science/Floral Design
A.S. Environmental Horticulture Science/Landscape Design
A.S. Environmental Horticulture Science/Plant Production
A.S. Food Science
A.S. Fruit Science
C.A. Viticulture Practices
C.A. Viticulture Practices and Maintenance

Architectural Technology
A.S. Architectural Technology
C.A. Architectural Technology

Art
A.A. Arts Management
A.A. 2-Dimensional Art
A.A. 3-Dimensional Art
C.A. Graphics

Automotive Technology
A.S. Advanced Engine Performance Technician
A.S. Auto Body Technician
C.A. Auto Body Technician
A.S. Automotive Technician
C.A. Automatic Transmission/Transaxle Specialist
C.A. Brakes Specialist
C.A. Chassis and Suspension Specialist
C.A. Electrical Systems Specialist
C.A. Engine Performance Specialist
C.A. Engine Repair Specialist
C.A. Heating and Air Conditioning Specialist
C.A. Manual Drivetrains and Axles Specialist

Basic Skills
C.A. Basic Skills

Biology
A.S. Biological Sciences

Broadcast Communications
A.A. Broadcast Communications

Business
A.A. Business Administration
C.A. Business Administration
A.A. International Business
C.S. International Business
A.A. Management
C.S. Supervision
C.S. Customer Service
A.A. Marketing

Chemistry
A.S. Chemistry

Computer Applications/Office Administration
A.A. Computer Applications/Office Administration
C.A. Administrative Assistant
C.A. Computer Office Support and Maintenance Specialist
C.A. Office Professional
C.A. Word Processing
C.S. Accounting Clerk/Bookkeeper
C.S. Business Communications
C.S. Desktop Publishing
C.S. Microcomputer Applications
C.S. Word Processing

Computer Information Systems
A.S. Computer Information Systems, Programming
C.S. Internet Applications Developer
A.S. Computer Network Administration
C.A. Computer Networking Specialist
A.S. Computer Science
A.S. Management Information Systems
A.S. Visual Basic/Database Administration

Construction Technology
A.S. Construction Technology
C.A. Construction Technology
C.S. Basic Water Treatment
C.S. Block Masonry
C.S. Brick Masonry
C.S. National Electrical Code
C.S. Uniform Building Code
C.S. Uniform Plumbing and Mechanical Codes
C.S. Water Distribution Systems
C.S. Woodworking

Criminal Justice
A.A. Criminal Justice

Culinary Arts
A.S. Culinary Arts
C.A. Culinary Arts
C.S. Baking

Dance
A.A. Dance

Drama
A.A. Drama

Early Childhood Education
A.A. Early Childhood Education Teacher: Community Track
C.A. Early Childhood Education Teacher: Community Track
A.A. Early Childhood Education Teacher: Laboratory Track
C.A. Early Childhood Education Teacher: Laboratory Track
C.S. Early Childhood Education Associate Teacher
C.S. Early Childhood Education Master Teacher: Curriculum
C.S. Early Childhood Education Master Teacher: Diversity
C.S. Early Childhood Education Site Supervisor
C.S. Working with School Age Children
<table>
<thead>
<tr>
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<tbody>
<tr>
<td><strong>Electronics and Computer Technology</strong></td>
<td><strong>A.S.</strong> Computer and Networking Technology</td>
<td><strong>C.A.</strong> - Journalism</td>
<td><strong>Liberal Arts–Areas of Emphasis</strong></td>
</tr>
<tr>
<td><strong>C.S.</strong> Computer and Network Maintenance</td>
<td><strong>C.S.</strong> Electro Mechanical Technology</td>
<td><strong>A.A.</strong> Liberal Arts: Arts, Humanities, and Communications</td>
<td><strong>A.S.</strong> Liberal Arts: Arts, Humanities, and Communications</td>
</tr>
<tr>
<td><strong>C.S.</strong> Computer Repair</td>
<td><strong>C.S.</strong> Electrical Technology</td>
<td><strong>A.A.</strong> Liberal Arts: Business/Economics, Hospitality Management, and Recreation Administration</td>
<td><strong>A.S.</strong> Liberal Arts: Business/Economics, Hospitality Management, and Recreation Administration</td>
</tr>
<tr>
<td><strong>A.S.</strong> Electro Mechanical Technician</td>
<td><strong>A.S.</strong> Electronics Technology</td>
<td><strong>C.A.</strong> CSU General Education</td>
<td><strong>A.A.</strong> Liberal Arts: Mathematics and Sciences</td>
</tr>
<tr>
<td><strong>C.A.</strong> Electrical Technology</td>
<td><strong>C.A.</strong> Electronics Technology</td>
<td><strong>C.A.</strong> IGETC General Education</td>
<td><strong>A.S.</strong> Liberal Arts: Mathematics and Sciences</td>
</tr>
<tr>
<td><strong>A.S.</strong> Electronics Technology</td>
<td><strong>C.S.</strong> Electronics Automation Technology</td>
<td><strong>C.A.</strong> Leadership Studies</td>
<td><strong>A.A.</strong> Liberal Arts: Social and Behavioral Sciences</td>
</tr>
<tr>
<td><strong>C.S.</strong> Power and Instrumentation Certificate</td>
<td><strong>C.S.</strong> Emergency Medical Services Technician Refresher</td>
<td><strong>C.S.</strong> Service Leadership</td>
<td><strong>A.S.</strong> Liberal Arts: Social and Behavioral Sciences</td>
</tr>
<tr>
<td><strong>Emergency Medical Services</strong></td>
<td><strong>C.S.</strong> Emergency Services</td>
<td><strong>Legal Studies</strong></td>
<td><strong>C.A.</strong> Facilities Technology Management</td>
</tr>
<tr>
<td><strong>C.A.</strong> Paramedic</td>
<td></td>
<td><strong>A.A.</strong> Legal Studies: Business Emphasis</td>
<td><strong>C.S.</strong> Facilities Technology</td>
</tr>
<tr>
<td><strong>C.S.</strong> Emergency Medical Services</td>
<td></td>
<td><strong>A.A.</strong> Legal Studies: Social Science Emphasis</td>
<td><strong>A.S.</strong> Facilities Technology</td>
</tr>
<tr>
<td><strong>C.S.</strong> Emergency Medical Services Hazardous Materials First Responder Operational</td>
<td><strong>C.S.</strong> AutoCAD – Level II/ Inventor</td>
<td><strong>Library/Information Technology</strong></td>
<td><strong>C.S.</strong> Medical Assisting</td>
</tr>
<tr>
<td><strong>C.S.</strong> Emergency Medical Services Technician Refresher</td>
<td></td>
<td><strong>A.S.</strong> Library/Information Technology</td>
<td><strong>C.S.</strong> Medical Assisting</td>
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<td><strong>C.S.</strong> Emergency Services</td>
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<td><strong>C.A.</strong> Library/Information Technology</td>
<td><strong>C.S.</strong> Phlebotomy</td>
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<tr>
<td><strong>Engineering</strong></td>
<td><strong>C.S.</strong> AutoCAD – Level I and Engineering Drawing</td>
<td><strong>Music</strong></td>
<td><strong>A.A.</strong> Jazz Studies</td>
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<tr>
<td><strong>A.S.</strong> Engineering</td>
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<td><strong>A.A.</strong> Music Performance</td>
<td><strong>C.A.</strong> Audio Technology</td>
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<tr>
<td><strong>C.A.</strong> Computer Aided Design/Drafting (CAD)</td>
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<td></td>
<td><strong>Nursing Assistant</strong></td>
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<tr>
<td><strong>C.S.</strong> AutoCAD – Level I</td>
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<td><strong>C.S.</strong> Nursing Assistant</td>
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<tr>
<td><strong>C.S.</strong> AutoCAD – Level I and Engineering Drawing</td>
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<td><strong>C.S.</strong> Nursing Assistant, Acute Care Nurse Assistant</td>
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<tr>
<td><strong>C.S.</strong> AutoCAD – Level II/ Inventor</td>
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<td></td>
<td><strong>C.S.</strong> Nursing Assistant, EKG Monitor Observer</td>
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<tr>
<td><strong>English</strong></td>
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<td><strong>Mathematics</strong></td>
<td><strong>Medical Assisting</strong></td>
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<td><strong>A.A.</strong> English</td>
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<td><strong>A.S.</strong> Mathematics</td>
<td><strong>A.S.</strong> Medical Assisting</td>
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<td><strong>English as a Second Language</strong></td>
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<td><strong>C.A.</strong> Medical Assisting</td>
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<td><strong>C.A.</strong> English as a Second Language, Intermediate</td>
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<td><strong>C.S.</strong> Medical Assisting</td>
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<tr>
<td><strong>C.A.</strong> English as a Second Language, Advanced</td>
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<td><strong>C.S.</strong> Phlebotomy</td>
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<td><strong>Facilities</strong></td>
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<td><strong>Fashion Design and Merchandising</strong></td>
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<td><strong>A.S.</strong> Facilities Technology Management</td>
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<td><strong>A.A.</strong> Fashion Design</td>
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<tr>
<td><strong>C.S.</strong> Facilities Technology</td>
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<td></td>
<td><strong>C.A.</strong> Fashion Design</td>
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<tr>
<td><strong>Family Studies/Human Services</strong></td>
<td></td>
<td></td>
<td><strong>A.A.</strong> Fashion Merchandising</td>
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<tr>
<td><strong>A.A.</strong> Family Studies/Human Services</td>
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<td><strong>C.A.</strong> Fashion Merchandising</td>
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<tr>
<td><strong>Fashion Design and Merchandising</strong></td>
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<td><strong>A.A.</strong> Fashion Merchandising</td>
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<tr>
<td><strong>A.A.</strong> Fashion Design</td>
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<td></td>
<td><strong>C.A.</strong> Fashion Merchandising</td>
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<tr>
<td><strong>C.A.</strong> Fashion Design</td>
<td></td>
<td></td>
<td><strong>Geology</strong></td>
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<tr>
<td><strong>A.A.</strong> Fashion Merchandising</td>
<td></td>
<td><strong>A.S.</strong> Geology</td>
<td><strong>History</strong></td>
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<tr>
<td><strong>C.A.</strong> Fashion Merchandising</td>
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<td><strong>A.A.</strong> History</td>
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<td><strong>History</strong></td>
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<td><strong>Hospitality</strong></td>
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<td><strong>A.S.</strong> Hospitality</td>
<td><strong>C.A.</strong> Hospitality</td>
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<td><strong>A.A.</strong> Interior Design</td>
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</tbody>
</table>
| | | | **A.A.** International Studies | | **Internationa**
### Physical Education
- **A.S.** Fitness, Health and Nutrition
- **C.A.** Fitness, Health and Nutrition
- **A.S.** Physical Education
- **C.S.** Athletic Training
- **C.S.** Personal Training

### Physics
- **A.S.** Physics

### Political Science
- **A.A.** Political Science

### Psychiatric Technician
- **A.S.** Psychiatric Technician
- **C.A.** Psychiatric Technician

### Psychology
- **A.S.** Psychology

### Recreation
- **A.A.** Recreation Administration

### Sociology
- **A.A.** Sociology
- **C.S.** Women's Studies

### Transfer Studies
- **C.A.** CSU General Education
- **C.A.** IGETC General Education

### Web Development Technologies
- **C.A.** Web Development Technologies

### Welding
- **A.S.** Welding Technology
- **C.A.** Welding Technology
- **C.S.** Welding Technology

### NON-CREDIT
- **C.S.** Non Credit English as a Second Language
- **C.S.** Non Credit Vocational English as a Second Language
- **C.S.** Secondary Education
### A.S., AGRICULTURAL TECHNOLOGY

#### A.S., AGRICULTURAL SYSTEMS MANAGEMENT

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Qtr. Units</th>
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<tbody>
<tr>
<td>BBA 128</td>
<td>Careers in Bioresource and Agricultural Engineering</td>
<td>2</td>
</tr>
<tr>
<td>BBA 129</td>
<td>Laboratory Skills and Safety</td>
<td>1</td>
</tr>
<tr>
<td>BBA 133</td>
<td>Engineering Design Graphics</td>
<td>2</td>
</tr>
<tr>
<td>BBA 141</td>
<td>Agricultural Machinery Safety</td>
<td>3</td>
</tr>
<tr>
<td>BBA 142</td>
<td>Agricultural Power and Machinery Management</td>
<td>4</td>
</tr>
<tr>
<td>BBA 151</td>
<td>CAD for Agricultural Engineering</td>
<td>1</td>
</tr>
<tr>
<td>BBA 203</td>
<td>Agricultural Systems Analysis</td>
<td>3</td>
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<tr>
<td>SS 121</td>
<td>Introductory Soil Science</td>
<td>4</td>
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**Cuesta Required Courses (14-15) Sem. Units**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Sem. Units</th>
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</thead>
<tbody>
<tr>
<td>CHEM 210</td>
<td>Introduction to Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>or CHEM 210F</td>
<td>Introduction to Chemistry with Facilitator Assisted Learning</td>
<td>4</td>
</tr>
<tr>
<td>or CHEM 201A</td>
<td>General College Chemistry</td>
<td>5</td>
</tr>
<tr>
<td>MATH 229</td>
<td>Trigonometry</td>
<td>3</td>
</tr>
<tr>
<td>MATH 232</td>
<td>College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 205A</td>
<td>General Physics</td>
<td>4</td>
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### A.S., ANIMAL SCIENCE

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Qtr. Units</th>
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</thead>
<tbody>
<tr>
<td>ASCI 101</td>
<td>Introduction to the Animal Sciences</td>
<td>2</td>
</tr>
<tr>
<td>ASCI 112</td>
<td>Principles of Animal Science</td>
<td>4</td>
</tr>
<tr>
<td>ASCI 211</td>
<td>Meat Science</td>
<td>4</td>
</tr>
<tr>
<td>ASCI 220</td>
<td>Introductory Animal Nutrition and Feeding</td>
<td>4</td>
</tr>
<tr>
<td>ASCI 221</td>
<td>Introduction to Beef Production</td>
<td>4</td>
</tr>
<tr>
<td>ASCI 222</td>
<td>Systems of Swine Production</td>
<td>4</td>
</tr>
<tr>
<td>ASCI 223</td>
<td>Systems of Sheep Management</td>
<td>4</td>
</tr>
<tr>
<td>ASCI 224</td>
<td>Equine Science</td>
<td>4</td>
</tr>
<tr>
<td>PM 225</td>
<td>Introduction to Poultry Management</td>
<td>4</td>
</tr>
<tr>
<td>VS 223</td>
<td>Anatomy and Physiology of Farm Animals</td>
<td>4</td>
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**Cal Poly Suggested Electives**

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<tr>
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<td>CHEM 211</td>
<td>Introduction to Organic and Biochemistry</td>
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### A.S., BIORESOURCES AND AGRICULTURAL ENGINEERING

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<td>BBA 216</td>
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<td>BBA 232</td>
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<td>BBA 234</td>
<td>Introduction to Mechanical Systems</td>
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### A.S., CROP SCIENCE

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<td>or VGSC 202</td>
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<td>VGSC 190</td>
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**Cuesta Suggested Electives**

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### A.S., DAIRY PRODUCT TECHNOLOGY

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<td>DSCI 123</td>
<td>Dairy Science Orientation</td>
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<td>DSCI 202</td>
<td>Dairy Product Marketing Programs</td>
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<td>DSCI 223</td>
<td>Frozen Dairy Foods</td>
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<td>DSCI 231</td>
<td>General Dairy Manufacturing</td>
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<tr>
<td>DSCI 233</td>
<td>Milk Processing and Inspection</td>
<td>4</td>
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<td>DSCI 234</td>
<td>Dairy Foods Evaluation</td>
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<tr>
<td>BIO 204</td>
<td>General Bacteriology</td>
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<td>CHEM 211</td>
<td>Introduction to Organic Biochemistry</td>
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### A.S., DAIRY PRODUCTION

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<td>Elements of Dairying</td>
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<td>DSCI 123</td>
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<td>DSCI 202</td>
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<td>DSCI 231</td>
<td>General Dairy Manufacturing</td>
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<td>DSCI 233</td>
<td>Milk Processing and Inspection</td>
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<td>Dairy Cattle Selection, Breeds, Fitting &amp; Showing</td>
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### A.S., BIORESOURCES AND AGRICULTURAL ENGINEERING

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<td>BBA 151</td>
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<td>BBA 216</td>
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<td>BBA 232</td>
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<td>BBA 234</td>
<td>Introduction to Mechanical Systems</td>
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<td>BBA 236</td>
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<td>BBA 239</td>
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### A.S., ENVIRONMENTAL HORTICULTURE SCIENCE/FLORAL DESIGN

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<td>EHS 125</td>
<td>Florist Practices I</td>
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<tr>
<td>EHS 126</td>
<td>Environmental Horticulture Construction</td>
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<tr>
<td>EHS 128</td>
<td>Principles of Horticulture Design</td>
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<tr>
<td>EHS 225</td>
<td>Florist Practices II</td>
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<tr>
<td>FRSC 230</td>
<td>California Fruit Growing</td>
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<td>Orientation to Environmental Horticulture and Crop Science</td>
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<td>HCS120</td>
<td>Principles of Horticulture and Crop Science</td>
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**A.S., ENVIRONMENTAL HORTICULTURE SCIENCE/LANDSCAPE DESIGN**

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<td>Landscape Installation and Maintenance</td>
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<td>SS 221</td>
<td>Fertilizers and Plant Nutrition</td>
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**A.S., ENVIRONMENTAL HORTICULTURE SCIENCE/PLANT PRODUCTION**

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<td>EHS 123</td>
<td>Landscape Installation and Maintenance</td>
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<td>EHS 124</td>
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<td>EHS 126</td>
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<td>EHS 245</td>
<td>Horticulture Applications</td>
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<td>SS 121</td>
<td>Introductory Soil Sciences</td>
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**A.S., FOOD SCIENCE**

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<td>FSN 204</td>
<td>Food Processing Operations</td>
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<td>FSN 210*</td>
<td>Nutrition</td>
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<td>FSN 250*</td>
<td>Food and Nutrition: Customs and Culture</td>
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<td>FSN 270</td>
<td>Food and Wine Plant Sanitation</td>
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<td>FSN 275</td>
<td>Principles of Food Safety and Hazard Analysis</td>
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**A.S., FRUIT SCIENCE**

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<td>Introduction to Vegetable Science</td>
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<td>FRSC 123</td>
<td>Beekeeping</td>
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<td>Pomology</td>
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<td>FRSC 133</td>
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<td>FRSC 210</td>
<td>Viticulture Practices</td>
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**C.S., VITICULTURE PRACTICES**

**Required Courses (5 units)**

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<td>AGTC 110</td>
<td>Propagation Techniques</td>
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<td>AGTC 115</td>
<td>Vineyard Irrigation and Fertilization</td>
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<td>AGTC 120</td>
<td>Vineyard Canopy Management</td>
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<tr>
<td>AGTC 130</td>
<td>Basic Viticulture</td>
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<tr>
<td>AGTC 135</td>
<td>Pest Control Management Update</td>
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<td>Soil Fertility and Quality in Central Coast Viticulture</td>
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**C.S., VITICULTURE PRACTICES AND MAINTENANCE**

**Required Courses (17 units)**

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<td>AGTC 130</td>
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<td>AGTC 135</td>
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<td>CTCH 168</td>
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<td>CTCH 169</td>
<td>Residential Wiring</td>
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**ARCHITECTURAL TECHNOLOGY**

**A.S., ARCHITECTURAL TECHNOLOGY**

**Required Courses (34.5 units)**

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<td>ARCH 232</td>
<td>Architectural Design &amp; Presentation</td>
<td>3</td>
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<td>ARCH 221</td>
<td>Design and Visual Communication</td>
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<td>ARCH 222</td>
<td>Design and Visual Communication II</td>
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<td>Architectural Environment Control Systems</td>
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**INSTRUCTION**

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<tr>
<td>MATH 232</td>
<td>College Algebra</td>
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# Cuesta College 2008-2009 Catalog

## ART

### A.A., ARTS MANAGEMENT

A minimum of 8 units in Art including the Art Gallery units must be earned at Cuesta College for an Arts Management, A.A. Degree.

**Required Courses (16-20 units)**

<table>
<thead>
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<th>Title</th>
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<td>Survey of Art History: Modernism and Post-Modernism</td>
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<td>ART 220</td>
<td>Fundamentals of 2-Dimensional Design</td>
<td>3</td>
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<td>ART 253</td>
<td>Digital Art</td>
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<tr>
<td>ART 293</td>
<td>Portfolio Presentation</td>
<td>2-3</td>
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<td>ART 295</td>
<td>Art Gallery</td>
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<td>BUS 245</td>
<td>Introduction to Business</td>
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<tr>
<td>or BUS 246</td>
<td>Retail Merchandising</td>
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<tr>
<td>or BUS 248</td>
<td>Small Business Management</td>
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<tr>
<td>or BUS 249</td>
<td>Entrepreneurship</td>
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### A.A., 2-DIMENSIONAL ART

A minimum of 8 units in Art including 6 from the second year courses must be earned at Cuesta College for a 2-Dimensional Art, A.A. Degree.

**Required Courses (14-20 units)**

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<td>ARCH 201</td>
<td>Architectural Design &amp; Presentation</td>
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<td>ARCH 202</td>
<td>Introduction to Architecture and Environmental Design</td>
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<td>ARCH 205</td>
<td>Architectural Modelmaking</td>
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<td>ARCH 245</td>
<td>Green Building with LEED Training</td>
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<tr>
<td>ARCH 254</td>
<td>Advanced Architectural Graphic Communication</td>
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<td>ENGR 125</td>
<td>AutoCAD</td>
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<td>Engineering Drawing II</td>
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<td>Engineering Statics</td>
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<td>Strength of Materials I</td>
<td>2</td>
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<tr>
<td>and ENGR 252B</td>
<td>Strength of Materials II</td>
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<td>Structural Systems for Architects</td>
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<td>ARCH 242</td>
<td>Introduction to Architectural Practice</td>
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<tr>
<td>CTCH 250</td>
<td>Introduction to Construction</td>
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<tr>
<td>ENGR 226</td>
<td>Engineering Drawing I</td>
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### C.A., ARCHITECTURAL TECHNOLOGY

**Required Courses (21.5 units)**

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<tr>
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<td>Architectural Design &amp; Presentation</td>
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<td>ARCH 221</td>
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<td>Camera Art</td>
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<td>ART 267</td>
<td>Intermediate Graphic Design</td>
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<td>ART 270</td>
<td>Fundamentals of 3-Dimensional Design</td>
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ART 150  Macintosh Operating System  1
ART 254  Intermediate Digital Art  3
ART 255  Adobe Illustrator: Art, Design, and Photography  1
ART 256  Adobe Photoshop: Art, Design, and Photography  1
ART 257  Digital Painting  1-3
ART 258  Adobe InDesign: Art, Design, and Photography  1-3
ART 260  Conceptual Blockbusting  3
ART 265  Adobe Flash: Art, Design, and Animation  3
ART 266  Graphic Design  2-3
ART 267  Intermediate Graphic Design  2-3
ART 268  Typography  3

**A.A., 3-DIMENSIONAL ART**
A minimum of 8 units in Art including 6 from the second year courses must be earned at Cuesta College for a 3-Dimensional Art, A.A. Degree.

**Required Courses (15-20 units)**
ART 220  Fundamentals of 2-Dimensional Design  3
ART 221  Beginning Drawing  2-3
ART 253  Digital Art  2-3
ART 270  Fundamentals of 3-Dimensional Design  3
ART 293  Portfolio Presentation  2-3
ART 295  Art Gallery  3-5

Plus 6 units from the following:
ART 203  Survey of Art History: Old Stoneage Through Gothic  3
ART 204  Survey of Art History: Renaissance Through 19th Century  3
ART 205  Survey of Art History: Modernism and Post-Modernism  3
ART 206  Survey of Art History: Non-Western Art  3

Plus 8 units from the following:
ART 271  Beginning Sculpture  2-3
ART 272  Intermediate Sculpture  2-3
ART 273  Figure Sculpture  2-3
ART 274  Sculpture Foundry  2-3
ART 280  Ceramics  2-3
ART 281  Ceramics  2-3
ART 282  Intermediate Ceramics  2-3
ART 283  Ceramic Sculpture  2-3
ART 284  Alternative and Primitive Firing Techniques in Ceramics  2-3

**C.A., GRAPHICS**

Required Courses (13-17 units)
ART 220  Fundamentals of 2-Dimensional Design  3
ART 221  Beginning Drawing  2-3
ART 229  Color  3
ART 253  Digital Art  2-3
ART 258  Adobe InDesign: Art, Design, and Photography  1-3
ART 266  Graphic Design  2-3

**AUTOMOTIVE TECHNOLOGY**

**AUTOMOTIVE TECHNOLOGY A.S. DEGREES**

Students must pass a minimum of two certification tests for the National Institute of Automotive Service Excellence (ASE).

**AUTOMOTIVE TECHNOLOGY CERTIFICATES OF PROFICIENCY**

The program of study is designed to facilitate entry into a growing technology-oriented field or to upgrade those already working in the area of automotive mechanics. Nine specialized Certificates of Proficiency are offered in the area of Automotive Technology. In addition to the prescribed curriculum, a student must pass the certification test for The National Institute for Automotive Service Excellence (ASE) for that specialty area.

If the student has completed a high school automotive lab class, or has experience in the auto repair industry, the ATECH 66 Automotive Maintenance & Light Repair Course requirement has been satisfied; however, students may take the class if they wish.

**A.S., ADVANCED ENGINE PERFORMANCE TECHNICIAN**

Required Courses ($4.5-55.5$ units)
ATCH 152  Internal Combustion Engine  3
ATCH 158  Automotive Electricity and Electronics  4
ATCH 160  Automotive Electrical Accessories  4
ATCH 164  Basic Clean Air Car Course  3
ATCH 187  Automotive Fuel Injection and Turbochargers  3
ATCH 188  Automotive Heating and Air Conditioning  3
ATCH 109  Introduction to Automotive Computers  2.5
ATCH 120  Automotive Ignition Systems  2
ATCH 125  Engine Performance  4
ATCH 127  Advanced Emissions Diagnostics  1
CIS 210  Introduction to Computer Applications  4
ETCH 213  Electronics Fundamentals  6
ENGL 165  Basic Technical Communications  4
MATH 124A  Technical Math  5
or MATH 127  Intermediate Algebra  5
PSCI 201A  Physical Science: Physics and Chemistry  3
WELD 270A  Basic Welding  3-4

**A.S., AUTO BODY TECHNICIAN**

Required Courses ($53.5-55.5$ units)
ATCH 152  Internal Combustion Engine  3
ATCH 158  Automotive Electricity and Electronics  4
ATCH 160  Automotive Electrical Accessories  4
ATCH 168  Automotive Repair Business  3
ATCH 167  Advanced Auto Body  3
ATCH 170  Auto Body Repair I  3
ATCH 171  Advanced Auto Painting  3
ATCH 175  Automotive Painting  5
ATCH 284  Braking Systems  4
ATCH 109  Introduction to Automotive Computers  2.5
CIS 210  Introduction to Computer Applications  4
ENGL 165  Basic Technical Communications  4
MATH 124A  Technical Math  5
or MATH 127  Intermediate Algebra  5
PSCI 201A  Physical Science: Physics and Chemistry  3
WELD 270A  Basic Welding  3-4
WELD 270C  Welding GMAW & GTAW  3-4

**C.A., AUTO BODY TECHNICIAN**

Required Courses (17 units)
ATCH 152  Internal Combustion Engine  3
ATCH 158  Automotive Electricity and Electronics  4
ATCH 160  Automotive Electrical Accessories  4
ATCH 168  Automotive Repair Business  3
ATCH 170  Auto Body Repair I  3
ATCH 171  Advanced Auto Body  3
ATCH 177  Advanced Auto Painting  3
ATCH 175  Automotive Painting  5
ATCH 284  Braking Systems  4
ATCH 109  Introduction to Automotive Computers  2.5
CIS 210  Introduction to Computer Applications  4
ENGL 165  Basic Technical Communications  4
MATH 124A  Technical Math  5
or MATH 127  Intermediate Algebra  5
PSCI 201A  Physical Science: Physics and Chemistry  3
WELD 270A  Basic Welding  3-4
WELD 270C  Welding GMAW & GTAW  3-4
### A.S., AUTOMOTIVE TECHNICIAN

**Required Courses (55.5-56.5 units)**

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<td>ATCH 158</td>
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<td>ATCH 281</td>
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<td>ATCH 182</td>
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<td>ATCH 284</td>
<td>Braking Systems</td>
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<td>ATCH 186</td>
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<tr>
<td>ATCH 188</td>
<td>Automotive Heating and Air Conditioning</td>
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### C.A., AUTOMATIC TRANSMISSION/TRANSAXLE SPECIALIST

**Required Courses (17 units)**

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<td>ATCH 182</td>
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<tr>
<td>ENGL 165</td>
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<tr>
<td>MATH 124A</td>
<td>Technical Math</td>
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</tr>
<tr>
<td>or MATH 127</td>
<td>Intermediate Algebra</td>
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<tr>
<td>PSCI 201A</td>
<td>Physical Science: Physics and Chemistry</td>
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### C.A., BRAKES SPECIALIST

**Required Courses (15.5 units)**

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<td>Automotive Electrical Accessories</td>
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<tr>
<td>ATCH 166</td>
<td>Automotive Maintenance and Light Repair</td>
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<tr>
<td>ATCH 168</td>
<td>Automotive Repair Business</td>
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<td>ATCH 284</td>
<td>Braking Systems</td>
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<td>ATCH 109</td>
<td>Introduction to Automotive Computers</td>
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<tr>
<td>or MATH 227</td>
<td>Intermediate Algebra</td>
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<tr>
<td>PSCI 1A</td>
<td>Physical Science: Physics and Chemistry</td>
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### C.A., CHASSIS AND SUSPENSION SPECIALIST

**Required Courses (16 units)**

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<td>Braking Systems</td>
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<td>ATCH 186</td>
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<td>Plus 8 units from the following:</td>
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<td>ENGL 165</td>
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### A.S., ELECTRICAL SYSTEMS SPECIALIST

**Required Courses (15.5 units)**

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<tr>
<td>ATCH 160</td>
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<td>ATCH 166</td>
<td>Automotive Maintenance and Light Repair</td>
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<td>ATCH 109</td>
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<tr>
<td>ENGL 165</td>
<td>Basic Technical Communications</td>
<td>4</td>
</tr>
<tr>
<td>MATH 124A</td>
<td>Technical Math</td>
<td>5</td>
</tr>
<tr>
<td>or MATH 127</td>
<td>Intermediate Algebra</td>
<td>(5)</td>
</tr>
<tr>
<td>PSCI 201A</td>
<td>Physical Science: Physics and Chemistry</td>
<td>3</td>
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### C.A., ENGINE PERFORMANCE SPECIALIST

**Required Courses (25.5 units)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>ATCH 152</td>
<td>Internal Combustion Engines</td>
<td>3</td>
</tr>
<tr>
<td>ATCH 158</td>
<td>Automotive Electricity and Electronics</td>
<td>4</td>
</tr>
<tr>
<td>ATCH 164</td>
<td>Basic Clean Air Car Course</td>
<td>3</td>
</tr>
<tr>
<td>ATCH 168</td>
<td>Automotive Repair Business</td>
<td>3</td>
</tr>
<tr>
<td>ATCH 187</td>
<td>Automotive Fuel Injection and Turbochargers</td>
<td>3</td>
</tr>
<tr>
<td>ATCH 109</td>
<td>Introduction to Automotive Computers</td>
<td>2.5</td>
</tr>
<tr>
<td>ATCH 120</td>
<td>Automotive Ignition Systems</td>
<td>2</td>
</tr>
<tr>
<td>ATCH 125</td>
<td>Engine Performance</td>
<td>4</td>
</tr>
<tr>
<td>ATCH 127</td>
<td>Advanced Emissions Diagnostics</td>
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### C.A., ENGINE REPAIR SPECIALIST

**Required Courses (22 units)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>ATCH 152</td>
<td>Internal Combustion Engines</td>
<td>3</td>
</tr>
<tr>
<td>ATCH 153</td>
<td>Engine Overhaul Procedures</td>
<td>3</td>
</tr>
<tr>
<td>ATCH 158</td>
<td>Automotive Electric and Electronics</td>
<td>4</td>
</tr>
<tr>
<td>ATCH 164</td>
<td>Basic Clean Air Car Course</td>
<td>3</td>
</tr>
<tr>
<td>ATCH 166</td>
<td>Automotive Maintenance and Light Repair</td>
<td>2</td>
</tr>
<tr>
<td>ATCH 168</td>
<td>Automotive Repair Business</td>
<td>3</td>
</tr>
<tr>
<td>ATCH 109</td>
<td>Introduction to Automotive Computers</td>
<td>2.5</td>
</tr>
<tr>
<td>Plus 4 units from the following:</td>
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<td></td>
</tr>
<tr>
<td>ENGL 165</td>
<td>Basic Technical Communications</td>
<td>4</td>
</tr>
<tr>
<td>MATH 124A</td>
<td>Technical Math</td>
<td>5</td>
</tr>
<tr>
<td>or MATH 127</td>
<td>Intermediate Algebra</td>
<td>(5)</td>
</tr>
<tr>
<td>PSCI 201A</td>
<td>Physical Science: Physics and Chemistry</td>
<td>3</td>
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### C.A., HEATING AND AIR CONDITIONING SPECIALIST

**Required Courses (17.5 units)**

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<thead>
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<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>ATCH 152</td>
<td>Internal Combustion Engines</td>
<td>3</td>
</tr>
<tr>
<td>ATCH 160</td>
<td>Automotive Electrical Accessories</td>
<td>4</td>
</tr>
<tr>
<td>ATCH 166</td>
<td>Automotive Maintenance and Light Repair</td>
<td>2</td>
</tr>
<tr>
<td>ATCH 168</td>
<td>Automotive Repair Business</td>
<td>3</td>
</tr>
<tr>
<td>ATCH 188</td>
<td>Automotive Heating and Air Conditioning</td>
<td>3</td>
</tr>
<tr>
<td>ATCH 109</td>
<td>Introduction to Automotive Computers</td>
<td>2.5</td>
</tr>
<tr>
<td>Plus 8 units from the following:</td>
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<tr>
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<td>Basic Technical Communications</td>
<td>4</td>
</tr>
<tr>
<td>MATH 124A</td>
<td>Technical Math</td>
<td>5</td>
</tr>
<tr>
<td>or MATH 127</td>
<td>Intermediate Algebra</td>
<td>(5)</td>
</tr>
<tr>
<td>PSCI 201A</td>
<td>Physical Science: Physics and Chemistry</td>
<td>3</td>
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</table>
### C.A., MANUAL DRIVETRAINS AND AXLES SPECIALIST

**Required Courses (15 units)**

<table>
<thead>
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<th>Course Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>ATCH 160</td>
<td>Automotive Electrical Accessories</td>
<td>4</td>
</tr>
<tr>
<td>ATCH 166</td>
<td>Automotive Maintenance and Light Repair</td>
<td>2</td>
</tr>
<tr>
<td>ATCH 168</td>
<td>Automotive Repair Business</td>
<td>3</td>
</tr>
<tr>
<td>ATCH 280</td>
<td>Manual Drivetrains</td>
<td>3</td>
</tr>
<tr>
<td>ATCH 281</td>
<td>Manual Transmissions</td>
<td>3</td>
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Plus 8 units from the following:

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 165</td>
<td>Basic Technical Communications</td>
<td>4</td>
</tr>
<tr>
<td>MATH 124A</td>
<td>Technical Math</td>
<td>5</td>
</tr>
<tr>
<td>or MATH 127</td>
<td>Intermediate Algebra (5)</td>
<td></td>
</tr>
<tr>
<td>PSCI 201A</td>
<td>Physical Science: Physics and Chemistry</td>
<td>3</td>
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</table>

### BASIC SKILLS

**C.A., BASIC SKILLS**

**Required Courses (8.5 units)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>ACSK 120</td>
<td>Learning Essentials for College Success</td>
<td>1.5</td>
</tr>
<tr>
<td>ENGL 099</td>
<td>Basic Reading and Writing</td>
<td>4</td>
</tr>
<tr>
<td>MATH 007</td>
<td>Pre-Algebra</td>
<td>3</td>
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</table>

Plus 4.5 units from the following:

<table>
<thead>
<tr>
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<th>Course Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>ACSK 005</td>
<td>Academic Support Lab</td>
<td>.5-1</td>
</tr>
<tr>
<td>ACSK 030A</td>
<td>Introduction to Phonetic Foundations</td>
<td>3.5</td>
</tr>
<tr>
<td>ACSK 030B</td>
<td>Advanced Phonetic Foundations</td>
<td>3.5</td>
</tr>
<tr>
<td>ACSK 032</td>
<td>Reading Comprehension</td>
<td>2</td>
</tr>
<tr>
<td>ACSK 034</td>
<td>Building Reading Essentials</td>
<td>3</td>
</tr>
<tr>
<td>ACSK 036</td>
<td>Reading Essentials</td>
<td>3</td>
</tr>
<tr>
<td>ACSK 050</td>
<td>Writing Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>ACSK 055</td>
<td>Spelling Essentials</td>
<td>3</td>
</tr>
<tr>
<td>ACSK 058</td>
<td>Grammar Essentials</td>
<td>1.5</td>
</tr>
<tr>
<td>ACSK 075</td>
<td>Arithmetic Fundamentals</td>
<td>4</td>
</tr>
<tr>
<td>ACSK 010</td>
<td>Keyboarding for Computer Access</td>
<td>.5-1</td>
</tr>
<tr>
<td>CAOA 120A</td>
<td>Beginning Computer Keyboarding</td>
<td>3</td>
</tr>
<tr>
<td>COUN 156</td>
<td>Student Success</td>
<td>1</td>
</tr>
<tr>
<td>COUN 261</td>
<td>Career Skills and Job Shadowing</td>
<td>1</td>
</tr>
<tr>
<td>MATH 003</td>
<td>Arithmetic</td>
<td>3</td>
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</tbody>
</table>

### BIOLOGY

**A.S., BIOLOGICAL SCIENCE**

**Required Courses (10 units)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 201A</td>
<td>Biology</td>
<td>5</td>
</tr>
<tr>
<td>BIO 202</td>
<td>General Botany</td>
<td>5</td>
</tr>
<tr>
<td>or BIO 203</td>
<td>General Zoology</td>
<td>(5)</td>
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</tbody>
</table>

Plus 32 units from the following:

<table>
<thead>
<tr>
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<th>Course Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>BIO 201B</td>
<td>Biology</td>
<td>5</td>
</tr>
<tr>
<td>BIO 204</td>
<td>General Bacteriology</td>
<td>5</td>
</tr>
<tr>
<td>BIO 205</td>
<td>Human Anatomy</td>
<td>4</td>
</tr>
<tr>
<td>BIO 206</td>
<td>General Human Physiology</td>
<td>5</td>
</tr>
<tr>
<td>BIO 208G</td>
<td>Biology Seminar: General Topics</td>
<td>1</td>
</tr>
<tr>
<td>BIO 209C</td>
<td>Coastal Biology Field Studies</td>
<td>1</td>
</tr>
<tr>
<td>BIO 209D</td>
<td>Desert Biology Field Studies</td>
<td>1</td>
</tr>
<tr>
<td>BIO 209H</td>
<td>Hawaiian Biology Field Studies</td>
<td>1-3</td>
</tr>
<tr>
<td>BIO 209S</td>
<td>Sierra Biology Field Studies</td>
<td>1</td>
</tr>
<tr>
<td>BIO 210E</td>
<td>Natural History of the Eastern California Mountains &amp; Deserts</td>
<td>2</td>
</tr>
<tr>
<td>BIO 210R</td>
<td>Natural History of the Coast Ranges</td>
<td>2</td>
</tr>
<tr>
<td>BIO 210V</td>
<td>Natural History of Death Valley National Park</td>
<td>2</td>
</tr>
<tr>
<td>BIO 212</td>
<td>Human Biology</td>
<td>3</td>
</tr>
<tr>
<td>BIO 212L</td>
<td>Human Biology Lab</td>
<td>1</td>
</tr>
<tr>
<td>BIO 213</td>
<td>Genetics and Society</td>
<td>3</td>
</tr>
<tr>
<td>BIO 220</td>
<td>Environmental Biology</td>
<td>3</td>
</tr>
<tr>
<td>or BIO 220</td>
<td>and BIO 220L</td>
<td></td>
</tr>
<tr>
<td>BIO 221</td>
<td>Environmental Biology Lab</td>
<td>(1)</td>
</tr>
<tr>
<td>BIO 222</td>
<td>Concepts of Ecology</td>
<td>3</td>
</tr>
<tr>
<td>BIO 222L</td>
<td>Introduction to Marine Science</td>
<td>3</td>
</tr>
<tr>
<td>BIO 224</td>
<td>Introduction to Marine Science Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>BIO 247</td>
<td>Principles of Natural History</td>
<td>3</td>
</tr>
<tr>
<td>BIO 248</td>
<td>Independent Studies</td>
<td>.5-2</td>
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### BROADCAST COMMUNICATIONS

**A.A., BROADCAST COMMUNICATIONS**

**Required Courses (19 units)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCST 221</td>
<td>Introduction to Broadcasting</td>
<td>3</td>
</tr>
<tr>
<td>BCST 223</td>
<td>Video Operations</td>
<td>3</td>
</tr>
<tr>
<td>BCST 224A</td>
<td>Basic Audio Production</td>
<td>3</td>
</tr>
<tr>
<td>BCST 225A</td>
<td>Video Studio Production</td>
<td>3</td>
</tr>
<tr>
<td>BCST 226</td>
<td>Media Writing</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 201A</td>
<td>English Composition</td>
<td>4</td>
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Plus 3 units from the following:

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<thead>
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<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>BCST 224B</td>
<td>Advanced Audio Production</td>
<td>3</td>
</tr>
<tr>
<td>BCST 224C</td>
<td>Advanced Audio Production</td>
<td>3</td>
</tr>
<tr>
<td>BCST 224D</td>
<td>Advanced Audio Production</td>
<td>3</td>
</tr>
<tr>
<td>BCST 225B</td>
<td>Field Video Production and Editing</td>
<td>3</td>
</tr>
<tr>
<td>BCST 230A</td>
<td>Television Internship</td>
<td>3</td>
</tr>
<tr>
<td>BCST 230B</td>
<td>Television Internship</td>
<td>3</td>
</tr>
<tr>
<td>BCST 230C</td>
<td>Television Internship</td>
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</tr>
<tr>
<td>BCST 230D</td>
<td>Television Internship</td>
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### BUSINESS

**A.A., BUSINESS ADMINISTRATION**

**Required Courses (37-40 units)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 201A</td>
<td>Principles of Accounting</td>
<td>4</td>
</tr>
<tr>
<td>BUS 201B</td>
<td>Principles of Accounting</td>
<td>4</td>
</tr>
<tr>
<td>BUS 218</td>
<td>Business Law</td>
<td>3</td>
</tr>
<tr>
<td>or BUS 219</td>
<td>International Business Law</td>
<td>(3)</td>
</tr>
<tr>
<td>BUS 245</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>BUS 283</td>
<td>Management and Supervision</td>
<td>3</td>
</tr>
<tr>
<td>BUS 286</td>
<td>Human Relations</td>
<td>3</td>
</tr>
<tr>
<td>CAOA 261</td>
<td>Introduction to Spreadsheets</td>
<td>3</td>
</tr>
<tr>
<td>CAOA 264</td>
<td>Introduction to Database Management</td>
<td>3</td>
</tr>
<tr>
<td>CIS 210</td>
<td>Introduction to Computer Applications</td>
<td>4</td>
</tr>
<tr>
<td>ECON 201A</td>
<td>Principles of Economics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 201B</td>
<td>Principles of Economics</td>
<td>3</td>
</tr>
<tr>
<td>WEXP 151</td>
<td>Cooperative Work Experience</td>
<td>.5</td>
</tr>
<tr>
<td>and WEXP 151L</td>
<td>Cooperative Work Experience</td>
<td>.5</td>
</tr>
<tr>
<td>or WEXP 252</td>
<td>Cooperative Work Experience</td>
<td>.5-2.5</td>
</tr>
<tr>
<td>and WEXP 252L</td>
<td>Cooperative Work Experience Education</td>
<td>(5)</td>
</tr>
<tr>
<td>or WEXP 252L</td>
<td>Cooperative Work Experience Education</td>
<td>(5-3.5)</td>
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Plus 3 units from the following:

<table>
<thead>
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<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>BUS 170</td>
<td>Dealing With Change</td>
<td>.5</td>
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<tr>
<td>BUS 171</td>
<td>Team Building</td>
<td>.5</td>
</tr>
<tr>
<td>BUS 172</td>
<td>Communicating With People</td>
<td>.5</td>
</tr>
<tr>
<td>BUS 173</td>
<td>Conflict Resolution</td>
<td>.5</td>
</tr>
<tr>
<td>BUS 174</td>
<td>Customer Service</td>
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### A.A., MANAGEMENT

**Required Courses (29-30 units)**

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<th>Course Title</th>
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<tbody>
<tr>
<td>BUS 201A</td>
<td>Principles of Accounting</td>
<td>4</td>
</tr>
<tr>
<td>BUS 218</td>
<td>Business Law</td>
<td>3</td>
</tr>
<tr>
<td>BUS 245</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>BUS 248</td>
<td>Small Business Management</td>
<td>3</td>
</tr>
<tr>
<td>or BUS 249</td>
<td>Entrepreneurship</td>
<td>4</td>
</tr>
<tr>
<td>BUS 283</td>
<td>Management and Supervision</td>
<td>3</td>
</tr>
<tr>
<td>BUS 286</td>
<td>Human Relations</td>
<td>3</td>
</tr>
<tr>
<td>CAOA 261</td>
<td>Introduction to Spreadsheets</td>
<td>3</td>
</tr>
<tr>
<td>CIS 210</td>
<td>Introduction to Computer Applications</td>
<td>4</td>
</tr>
<tr>
<td>ECON 201A</td>
<td>Principles of Economics</td>
<td>3</td>
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### C.S., SUPERVISION

**Required Courses (13-16 units)**

<table>
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<tbody>
<tr>
<td>BUS 283</td>
<td>Management and Supervision</td>
<td>3</td>
</tr>
<tr>
<td>BUS 286</td>
<td>Human Relations</td>
<td>3</td>
</tr>
<tr>
<td>or BUS 196</td>
<td>Workplace Human Relations</td>
<td>2</td>
</tr>
<tr>
<td>CAOA 123</td>
<td>Business English</td>
<td>3</td>
</tr>
<tr>
<td>FMST 205</td>
<td>Life Management</td>
<td>3</td>
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<tr>
<td>WEXP 151</td>
<td>Cooperative Work Experience</td>
<td>3</td>
</tr>
<tr>
<td>and WEXP 151L</td>
<td>Cooperative Work Experience</td>
<td>5-2.5</td>
</tr>
<tr>
<td>or WEXP 252</td>
<td>Cooperative Work Experience</td>
<td>5</td>
</tr>
<tr>
<td>and WEXP 252L</td>
<td>Cooperative Work Experience</td>
<td>5-3.5</td>
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### A.A., INTERNATIONAL BUSINESS

**Required Courses (43 units)**

<table>
<thead>
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<th>Course Title</th>
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<tr>
<td>BUS 201A</td>
<td>Principles of Accounting</td>
<td>4</td>
</tr>
<tr>
<td>BUS 219</td>
<td>International Business Law</td>
<td>3</td>
</tr>
<tr>
<td>BUS 245</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>BUS 260</td>
<td>Introduction to International Business</td>
<td>3</td>
</tr>
<tr>
<td>BUS 162</td>
<td>Geography for International Business</td>
<td>3</td>
</tr>
<tr>
<td>BUS 164</td>
<td>International Trade Relations</td>
<td>3</td>
</tr>
<tr>
<td>BUS 165</td>
<td>Basic of Exporting and Importing</td>
<td>2</td>
</tr>
<tr>
<td>BUS 168</td>
<td>International Marketing</td>
<td>3</td>
</tr>
<tr>
<td>BUS 283</td>
<td>Management and Supervisor</td>
<td>3</td>
</tr>
<tr>
<td>or BUS 286</td>
<td>Human Relations</td>
<td>(3)</td>
</tr>
<tr>
<td>CIS 210</td>
<td>Introduction to Computer Application</td>
<td>4</td>
</tr>
<tr>
<td>ECON 211</td>
<td>Global Economics</td>
<td>3</td>
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<tr>
<td>2 semesters</td>
<td>Foreign Language (French, German, Spanish)</td>
<td>8</td>
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<tr>
<td>PEAC 283</td>
<td>Golf (2 semesters)</td>
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</table>

### C.S., INTERNATIONAL BUSINESS

**Required Courses (16 units)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 219</td>
<td>International Business Law</td>
<td>3</td>
</tr>
<tr>
<td>BUS 260</td>
<td>Introduction to International Business</td>
<td>3</td>
</tr>
<tr>
<td>BUS 164</td>
<td>International Trade Relations</td>
<td>3</td>
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<tr>
<td>BUS 168</td>
<td>International Marketing</td>
<td>3</td>
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<tr>
<td>Foreign Language:</td>
<td>French, German, or Spanish</td>
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### A.A., MARKETING

**Required Courses (38-39 units)**

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<tr>
<td>BUS 201A</td>
<td>Principles of Accounting</td>
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<tr>
<td>BUS 218</td>
<td>Business Law</td>
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<tr>
<td>BUS 240</td>
<td>Advertising</td>
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<tr>
<td>BUS 241</td>
<td>Sales</td>
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<tr>
<td>BUS 243</td>
<td>Marketing</td>
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</tr>
<tr>
<td>BUS 245</td>
<td>Introduction to Business</td>
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<tr>
<td>BUS 248</td>
<td>Small Business Management</td>
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<tr>
<td>or BUS 249</td>
<td>Entrepreneurship</td>
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<td>BUS 283</td>
<td>Management and Supervision</td>
<td>3</td>
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<tr>
<td>BUS 286</td>
<td>Human Relations</td>
<td>3</td>
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<tr>
<td>CAOA 261</td>
<td>Introduction to Spreadsheets</td>
<td>3</td>
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<tr>
<td>CIS 210</td>
<td>Introduction to Computer Applications</td>
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<tr>
<td>ECON 201A</td>
<td>Principles of Economics</td>
<td>3</td>
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</table>
### A.S., CHEMISTRY

**Required Courses (25-28 units)**
- CHEM 201A General College Chemistry 5
- CHEM 201B General College Chemistry 5
- CHEM 212A Organic Chemistry 5
- CHEM 212B Organic Chemistry 5
- MATH 263* Pre-Calculus Mathematics 5
- or MATH 242* Precalculus Algebra (5)
- and MATH 229* Trigonometry (3)

* Any course for which Mathematics 63 is a prerequisite may be substituted.

### COMPUTER APPLICATIONS/OFFICE ADMINISTRATION

#### A.A., COMPUTER APPLICATIONS/OFFICE ADMINISTRATION

At least 8 units in Computer Applications/Office Administration must be earned at Cuesta College for a Computer Applications/Office Administration, A.A. Degree.

**Required Courses (40.5-42.5 units)**
- BUS 201B Principles of Accounting 4
- or CAOA 252 Computerized Accounting Using QuickBooks Pro (3)
- or BUS 251 Elements of Accounting 4
- BUS 201A Principles of Accounting (4)
- or PARAL 1 Introduction to Law Office Procedures for Paralegals (3)
- CAOA 120B Intermediate Computer Keyboarding and Document Processing 3
- CAOA 123 Business English 3
- CAOA 225 Business Calculations 3
- CAOA 250 Advanced Word Processing: Microsoft Word (3)
- or CAOA 252 Computerized Accounting Using QuickBooks Pro 3
- or CAOA 227 Business Communications 4
- or CAOA 128 Office Technology and Telecommunications 3
- or CAOA 129 Computer Applications/Office Administration Internship .5
- or CAOA 246 Beginning Word Processing: Microsoft Word 3
- or BUS 201B Principles of Accounting (4)
- Plus 9 units from the following:
  - BUS 286 Human Relations 3
  - CAOA 120A Beginning Computer Keyboarding and Document Processing 3
  - CAOA 250* Advanced Word Processing: Microsoft Word 3
  - CAOA 153 Essentials of MS Publisher 2
  - CAOA 154 Essentials of MS Outlook 2
  - CAOA 156 Test Prep for Microsoft Office Specialist (MOS) Certification .5
  - CAOA 160 Microcomputer Operations 3
  - CAOA 261 Introduction to Spreadsheets 3
  - CAOA 264 Introduction to Database Management 3
  - CAOA 265 Adobe InDesign 3
  - CAOA 266 Introduction to Computer Basics 1
  - CAOA 167 PowerPoint 1
  - CAOA 268 Photoshop Level 2 1.5
  - CAOA 269 Introduction to Web Publishing: Dreamweaver 3
  - CAOA 172 Photoshop Elements 1.5
  - CAOA 173 Adobe Acrobat 1.5

* If not used for required units.

### C.A., COMPUTER OFFICE SUPPORT AND MAINTENANCE SPECIALIST

**Required Courses (25 units)**
- CAOA 246 Beginning Word Processing, Microsoft Word 3
- CAOA 250 Advanced Word Processing, Microsoft Word 3
- CAOA 154 Essentials of MS Outlook 2
- CAOA 261 Introduction to Spreadsheets 3
- CAOA 264 Introduction to Database Management 3
- CAOA 266 Introduction to Computer Basics 1
- CAOA 167 PowerPoint 1
- CAOA 269 Introduction to Web Publishing: Dreamweaver 3
- CIS 221 Operating Systems Concepts I 3
- or CIS 201 Introduction to Computer Science (3)
- ETCH 253 Microcomputer Fundamentals for Technicians 3

### C.A., OFFICE PROFESSIONAL

**Required Courses (25.5 units)**
- CAOA 120B Intermediate Computer Keyboarding and Document Processing 3
- CAOA 123 Business English 3
- CAOA 126 Voice Recognition Software with Document Applications 3
- CAOA 227 Business Communications 4
- CAOA 128 Office Technology and Telecommunications 3
- CAOA 129 Computer Applications/Office Administration Internship .5
- CAOA 246 Beginning Word Processing: Microsoft Word 3
- CAOA 250 Advanced Word Processing: Microsoft Word 3
- Plus 12 units from the following:
  - BUS 251 Elements of Accounting 4
  - BUS 286 Human Relations 3
C.A.OA 120A Beginning Computer Keyboarding and Document Processing 3
C.A.OA 153 Essentials of MS Publisher 2
C.A.OA 154 Essentials of MS Outlook 2
C.A.OA 156 Test Prep for Microsoft Office Specialist (MOS) Certification .5
C.A.OA 160 Microcomputer Operations 3
C.A.OA 261 Introduction to Spreadsheets 3
C.A.OA 262 Introduction to Beginning Computer Keyboarding 1
C.A.OA 264 Introduction to Database Management 3
C.A.OA 265 Adobe InDesign 3
C.A.OA 266 Introduction to Computer Basics 1
C.A.OA 268 Introduction to Photoshop 3
C.A.OA 268A Photoshop-Level 2 1.5
C.A.OA 269 Introduction to Web Publishing: Dreamweaver 3
C.A.OA 271 Introduction to Flash: Business Applications 1.5-3
C.A.OA 272 Photoshop Elements 1.5
C.A.OA 173 Adobe Acrobat 1.5

C.A., WORD PROCESSING
Required Courses (28 units)
C.A.OA 120B Intermediate Computer Keyboarding and Document Processing 3
C.A.OA 123 Business English 3
C.A.OA 126 Voice Recognition Software with Document Applications 3
C.A.OA 227 Business Communications 4
C.A.OA 228 Office Technology and Telecommunications 3
C.A.OA 229 Computer Applications/Office Administration Internship .5
C.A.OA 246 Beginning Word Processing: Microsoft Word 3
C.A.OA 250 Advanced Word Processing: Microsoft Word 3
C.A.OA 160 Microcomputer Operations 3

Plus 10 units from the following:
B.U.S. 251 Elements of Accounting 4
B.U.S. 286 Human Relations 3
C.A.OA 120A Beginning Computer Keyboarding and Document Processing 3
C.A.OA 225 Business Calculations 3
C.A.OA 246* Beginning Word Processing: Microsoft Word 3
C.A.OA 153 Essentials of MS Publisher 2
C.A.OA 154 Essentials of MS Outlook 2
C.A.OA 156 Test Prep for Microsoft Office Specialist (MOS) Certification .5
C.A.OA 261 Introduction to Spreadsheets 3
C.A.OA 262 Introduction to Beginning Computer Keyboarding 1
C.A.OA 264 Introduction to Database Management 3
C.A.OA 265 Adobe InDesign 3
C.A.OA 266 Introduction to Computer Basics 1
C.A.OA 268 Introduction to Photoshop 3
C.A.OA 268A Photoshop-Level 2 1.5
C.A.OA 269 Introduction to Web Publishing: Dreamweaver 3
C.A.OA 271 Introduction to Flash: Business Applications 1.5-3
C.A.OA 272 Photoshop Elements 1.5
C.A.OA 173 Adobe Acrobat 1.5

* If not used for required units.

C.S., ACCOUNTING CLERK/BOOKKEEPER
Required Courses (19.5 units)
B.U.S. 251 Elements of Accounting 4
C.A.OA 123 Business English 3
C.A.OA 225 Business Calculations 3
C.A.OA 128 Office Technology and Telecommunications 3
C.A.OA 129 Computer Applications/Office Administration Internship .5
C.A.OA 252 Computerized Accounting Using QuickBooks Pro 3
C.A.OA 261 Introduction to Spreadsheets 3

Plus 3 units from the following:
C.A.OA 120A Beginning Computer Keyboarding and Document Processing 3
C.A.OA 120B Intermediate Computer Keyboarding and Document Processing 3
C.A.OA 160 Microcomputer Operations 3

C.S., BUSINESS COMMUNICATIONS
Required Courses (26.5 units)
C.A.OA 120B Intermediate Computer Keyboarding and Document Processing 3
C.A.OA 123 Business English 3
C.A.OA 225 Business Calculations 3
C.A.OA 126 Voice Recognition Software with Document Applications 3
C.A.OA 227 Business Communications 4
C.A.OA 128 Office Technology and Telecommunications 3
C.A.OA 129 Computer Applications/Office Administration Internship .5
C.A.OA 246 Beginning Word Processing: Microsoft Word 3
C.A.OA 250 Advanced Word Processing: Microsoft Word 3
C.A.OA 167 PowerPoint 1

C.S., DESKTOP PUBLISHING
Required Courses (13.5 units)
A.R.T. 220 Fundamentals of 2-Dimensional Design 3
C.A.OA 250 Advanced Word 3
C.A.OA 265 Adobe InDesign 3
C.A.OA 268 Introduction to Photoshop 3
or C.A.OA 269 Introduction to Web Publishing: Dreamweaver (3)
C.A.OA 173 Adobe Acrobat 1.5

Plus 3 units from the following:
C.A.OA 153 Essentials of MS Publisher 2
C.A.OA 168A Photoshop-Level 2 1.5
C.A.OA 172 Photoshop Elements 1.5
C.A.OA 270 Intermediate Web Publishing: Dreamweaver 3
C.A.OA 271 Using Flash for Business Applications 3

C.S., COMPUTER APPLICATIONS
Required Courses (16 units)
C.A.OA 246 Beginning Word Processing: Microsoft Word 3
C.A.OA 250 Advanced Word Processing: Microsoft Word 3
C.A.OA 261 Introduction to Spreadsheets 3
C.A.OA 264 Introduction to Database Management 3
C.A.OA 265 Adobe InDesign 3
or C.A.OA 167 PowerPoint (1)
and C.A.OA 153 Essentials of MS Publisher 2
or C.A.OA 268 Introduction to Photoshop (3)
or C.A.OA 269 Introduction to Web Publishing: Dreamweaver (3)
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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<td>CAOA 266</td>
<td>Introduction to Computer Basics</td>
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<td>CAOA 120A</td>
<td>Beginning Computer Keyboarding and Document Processing</td>
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<td>CAOA 120B</td>
<td>Intermediate Computer Keyboarding and Document Processing</td>
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<tr>
<td>CAOA 271</td>
<td>Using Flash for Business Applications</td>
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<tr>
<td>CAOA 123</td>
<td>Business English</td>
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<tr>
<td>CAOA 225</td>
<td>Business Calculations</td>
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<td>CAOA 128</td>
<td>Office Technology and Telecommunications</td>
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<td>CAOA 129</td>
<td>Computer Applications/Office Administration Internship</td>
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<td>CAOA 246</td>
<td>Beginning Word Processing: Microsoft Word</td>
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<td>CAOA 250</td>
<td>Advanced Word Processing: Microsoft Word</td>
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<td>CAOA 120A</td>
<td>Beginning Computer Keyboarding and Document Processing</td>
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<td>CAOA 120B</td>
<td>Intermediate Computer Keyboarding and Document Processing</td>
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<td>BUS 201A</td>
<td>Principles of Accounting</td>
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<td>BUS 245</td>
<td>Introduction to Business</td>
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<td>BUS 283</td>
<td>Management and Supervision</td>
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<td>CIS 210</td>
<td>Introduction to Computer Applications</td>
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<tr>
<td>CIS 212</td>
<td>Beginning COBOL Programming</td>
<td>3</td>
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<tr>
<td>CIS 217</td>
<td>“C” Programming Language</td>
<td>3</td>
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<tr>
<td>CIS 219</td>
<td>Object Oriented Programming - C++</td>
<td>3</td>
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<tr>
<td>or CIS 218</td>
<td>C# .NET Programming</td>
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<td>CIS 231</td>
<td>Fundamentals of Computer Science I</td>
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<td>CIS 232</td>
<td>Fundamentals of Computer Science II</td>
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<td>CIS 233</td>
<td>Fundamentals of Computer Science III</td>
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<tr>
<td>CIS 214</td>
<td>Introduction to Visual Basic</td>
<td>3</td>
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<td>ECON 201A</td>
<td>Principles of Economics</td>
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<td>ENGL 210</td>
<td>Technical Communication</td>
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<td>BUS 218</td>
<td>Business Law</td>
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<td>ETCH 253</td>
<td>Microcomputer Fundamentals for Technicians</td>
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<td>LIBT 107</td>
<td>Web Page Development with XHTML</td>
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<tr>
<td>LIBT 111</td>
<td>Javascript Fundamentals</td>
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### A.S., COMPUTER INFORMATION SYSTEMS

#### A.S., COMPUTER INFORMATION SYSTEMS, PROGRAMMING

Required Courses (44 units)

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<td>BUS 245</td>
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<td>BUS 283</td>
<td>Management and Supervision</td>
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<tr>
<td>CIS 210</td>
<td>Introduction to Computer Applications</td>
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<tr>
<td>CIS 212</td>
<td>Beginning COBOL Programming</td>
<td>3</td>
</tr>
<tr>
<td>CIS 217</td>
<td>“C” Programming Language</td>
<td>3</td>
</tr>
<tr>
<td>CIS 219</td>
<td>Object Oriented Programming - C++</td>
<td>3</td>
</tr>
<tr>
<td>or CIS 218</td>
<td>C# .NET Programming</td>
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</tr>
<tr>
<td>CIS 231</td>
<td>Fundamentals of Computer Science I</td>
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<td>CIS 232</td>
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<td>CIS 233</td>
<td>Fundamentals of Computer Science III</td>
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<tr>
<td>CIS 214</td>
<td>Introduction to Visual Basic</td>
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<tr>
<td>ECON 201A</td>
<td>Principles of Economics</td>
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<td>ENGL 210</td>
<td>Technical Communication</td>
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<td>BUS 218</td>
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### C.S., INTERNET APPLICATIONS DEVELOPER

Required Courses (17 units)

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<td>Introduction to Database Management</td>
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<td>CIS 214</td>
<td>Introduction to Visual Basic</td>
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<tr>
<td>CIS 115</td>
<td>Visual Basic for Internet Application</td>
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<tr>
<td>CIS 141</td>
<td>Data Base Administration</td>
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<tr>
<td>LIBT 106</td>
<td>Introduction to the Internet</td>
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<tr>
<td>LIBT 107</td>
<td>Web Page Development with XHTML</td>
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### C.S., NETWORKING SPECIALIST

Required Courses (28 units)

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<td>Operating System Concepts I</td>
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<tr>
<td>CIS 128</td>
<td>Network Server Administration</td>
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<td>CIS 260</td>
<td>Networking Fundamentals</td>
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<tr>
<td>CIS 261</td>
<td>Router Theory and Technology</td>
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<tr>
<td>CIS 262</td>
<td>Advanced Routing and Switching</td>
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<td>CIS 263</td>
<td>Wide Area Networking</td>
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<td>CIS 264</td>
<td>Introduction to Database Management</td>
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<tr>
<td>CIS 213</td>
<td>Beginning Basic Programming</td>
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<tr>
<td>CIS 217</td>
<td>“C” Programming Language</td>
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<tr>
<td>CIS 219</td>
<td>Object Oriented Programming – C++</td>
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<td>Introduction to Visual Basic</td>
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<td>CIS 212</td>
<td>Introduction to Linux</td>
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<td>CIS 141</td>
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<td>CIS 143</td>
<td>Web Site Administration</td>
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<td>CIS 145</td>
<td>Server Maintenance and Administration</td>
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<td>ETCH 220</td>
<td>Microcomputer Architecture and Programming</td>
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<td>ETCH 254</td>
<td>Web Page Development with XHTML</td>
<td>3</td>
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<tr>
<td>LIBT 107</td>
<td>Javascript Fundamentals</td>
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<td>LIBT 111</td>
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### C.A., COMPUTER NETWORKING SPECIALIST

Required Courses (35 units)

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<tr>
<td>CIS 233</td>
<td>Fundamentals of Computer Science III</td>
<td>2</td>
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<tr>
<td>CIS 240</td>
<td>Microcomputer Architecture &amp; Programming</td>
<td>3</td>
</tr>
<tr>
<td>or CIS 241</td>
<td>Discrete Structures</td>
<td>(3)</td>
</tr>
<tr>
<td>CHEM 201A</td>
<td>General College Chemistry</td>
<td>5</td>
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<td>and CHEM 201B</td>
<td>General College Chemistry</td>
<td>5</td>
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<tr>
<td>or PHYS 208A</td>
<td>Principles of Physics</td>
<td>(5)</td>
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<tr>
<td>and PHYS 208B</td>
<td>Principles of Physics</td>
<td>(5)</td>
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<tr>
<td>ENGR 219</td>
<td>Logic and Switching Circuits</td>
<td>4</td>
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<tr>
<td>MATH 265A</td>
<td>Analytic Geometry and Calculus</td>
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<td>MATH 265B</td>
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<td>Plus 3 units from the following:</td>
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<td></td>
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<tr>
<td>CIS 217</td>
<td>“C” Programming Language</td>
<td>3</td>
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<tr>
<td>CIS 219</td>
<td>Object Oriented Programming - C++</td>
<td>3</td>
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<tr>
<td>CIS 218</td>
<td>C# .NET Programming</td>
<td>3</td>
</tr>
<tr>
<td>CIS 240*</td>
<td>Microcomputer Architecture &amp; Programming</td>
<td>3</td>
</tr>
<tr>
<td>CIS 241*</td>
<td>Discrete Structures</td>
<td>3</td>
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<tr>
<td>ENGR 217</td>
<td>Introduction to Electronic Circuit Analysis</td>
<td>4</td>
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<tr>
<td>ENGR 245</td>
<td>Materials Engineering</td>
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</tr>
<tr>
<td>ENGR 250</td>
<td>Engineering Statics</td>
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</tbody>
</table>

* If not used for required units.
A.S., MANAGEMENT INFORMATION SYSTEMS
Required Courses (36-39)
BUS 201A Principles of Accounting 4
BUS 201B Principles of Accounting 4
BUS 218 Business Law 3
CIS 231 Fundamentals of Computer Science I 4
and CIS 232 Fundamentals of Computer Science II 2
or CIS 214 Introduction to Visual Basic 3
and CIS 115 Visual Basic for Internet Application 3
ECON 201A Principles of Economics 3
ECON 201B Principles of Economics 3
MATH 149 Statistics for Business 5
MATH 255 Calculus for Business and Management 3
Plus 5 units from the following:
CIS 212 Beginning COBOL Programming 3
CIS 217 “C” Programming Language 3
CIS 219 Object Oriented Programming - C++ 3
CIS 218 C# .NET Programming 3
CIS 231* Fundamentals of Computer Science I 4
CIS 232* Fundamentals of Computer Science II 2
CIS 233 Fundamentals of Computer Science III 2
CIS 240 Microcomputer Architecture & Programming 3
CIS 214* Introduction to Visual Basic 3
CIS 115* Visual Basic for Internet Application 3
* If not used for required units

A.S., VISUAL BASIC/DATABASE ADMINISTRATION
Required Courses (38 units)
BUS 201A Principles of Accounting 4
BUS 245 Introduction to Business 3
BUS 283 Management and Supervision 3
CAOA 261 Introduction to Spreadsheets 3
CAOA 264 Introduction to Database 3
CIS 231 Fundamentals of Computer Science I 4
CIS 232 Fundamentals of Computer Science II 2
CIS 214 Introduction to Visual Basic 3
CIS 115 Visual Basic for Internet Application 3
ECON 201A Principles of Economics 3
ENGL 210 Technical Communication 4
BUS 218 Business Law 3

CONSTRUCTION TECHNOLOGY
A.S., CONSTRUCTION TECHNOLOGY
Required Courses (34 units)
CTCH 250 Introduction to Construction 3
CTCH 255 Basic Woodworking 3
CTCH 163 Construction Management 3
CTCH 164 Blueprint Reading 3
CTCH 168 Residential Plumbing 4
CTCH 169 Residential Wiring 3
CTCH 171A Homebuilding: Layout and Concrete I 3
CTCH 172A Homebuilding: Floor and Wall Framing I 3
CTCH 173A Homebuilding: Roof Framing I 3
CTCH 174A Homebuilding: Finish Carpentry I 3
Plus 3 units from the following:
BUS 283 Management and Supervision 3
CTCH 156 Machine Woodworking/Furniture 3

C.A., CONSTRUCTION TECHNOLOGY
Required Courses (34 units)
CTCH 250 Introduction to Construction 3
CTCH 255 Basic Woodworking 3
CTCH 163 Construction Management 3
CTCH 164 Blueprint Reading 3
CTCH 168 Residential Plumbing 4
CTCH 169 Residential Wiring 3
CTCH 171A Homebuilding: Layout and Concrete I 3
CTCH 172A Homebuilding: Floor and Wall Framing I 3
CTCH 173A Homebuilding: Roof Framing I 3
CTCH 174A Homebuilding: Finish Carpentry I 3
Plus 3 units from the following:
CTCH 156 Machine Woodworking/Furniture 3
CTCH 157 Cabinetmaking/32 mm European Construction 3
CTCH 158 Cabinetmaking/Face Frame Construction 3
CTCH 165 Block Masonry 3
CTCH 166 Brick Masonry 3
CTCH 171B Homebuilding: Layout and Concrete II 2
CTCH 172B Homebuilding: Floor & Wall Framing II 2
CTCH 173B Homebuilding: Roof Framing II 2
CTCH 174B Homebuilding: Finish Carpentry II 2
CTCH 175 Basic Heating, Refrigeration, and Air Conditioning 3
CTCH 176 Basic Water Treatment 3
CTCH 177 Water Distribution Systems 3
CTCH 181 National Electrical Code 3
CTCH 182 Uniform Plumbing and Mechanical Codes 3
CTCH 183A Commercial Wiring and Electrical Systems 4
CTCH 183B Industrial Wiring and Electrical Systems 4
ENGL 165 Basic Technical Communication 4
MATH 123 Elementary Algebra 5
or MATH 123SI Elementary Algebra with Supplemental Learning (5)
WELD 270A Basic Welding 3-4
### C.S., BASIC WATER TREATMENT
Required Courses (3 units)
- **CTCH 176 Basic Water Treatment** 3

### C.S., BLOCK MASONRY
Required Course (3 units)
- **CTCH 165 Block Masonry** 3

### C.S., BRICK MASONRY
Required Course (3 units)
- **CTCH 166 Brick Masonry** 3

### C.S., NATIONAL ELECTRICAL CODE
Required Course (3 units)
- **CTCH 181 National Electrical Code** 3

### C.S., UNIFORM BUILDING CODE
Required Course (6 units)
- **CTCH 180B Building Code II, Structural Design and Material Provisions** 3

### C.S., UNIFORM PLUMBING AND MECHANICAL CODES
Required Course (3 units)
- **CTCH 182 Uniform Plumbing and Mechanical Codes** 3

### C.S., WATER DISTRIBUTION SYSTEMS
Required Courses (3 units)
- **CTCH 177 Water Distribution Systems** 3

### C.S., WOODWORKING
Required Courses (12 units)
- **CTCH 255 Basic Woodworking** 3
- **CTCH 156 Machine Woodworking/Furniture** 3
- **CTCH 157 Cabinetmaking/32 mm European Construction** 3
- **CTCH 158 Cabinetmaking/Face Frame Construction** 3

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### A.A., CRIMINAL JUSTICE
Students must pass all classes with a grade of “C” or better.
A minimum of 12 units in Criminal Justice must be earned at Cuesta College.

Required Courses (28 units)
- **CIS 210 Introduction to Computer Applications** 4
- **CJ 202 Introduction to Criminal Justice** 3
- **CJ 204 Principles and Procedures of the Justice System** 3
- **CJ 206 Concepts of Criminal Law** 3
- **CJ 208 Legal Aspects of Evidence** 3
- **CJ 210 Principles of Investigation** 3
- **CJ 212 Juvenile Justice Procedures** 3
- **CJ 213 Concepts of Enforcement Service** 3
- **CJ 224 Police-Community Relations** 3

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### CULINARY ARTS

#### A.S., CULINARY ARTS

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<thead>
<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>BUS 172</td>
<td>Communicating with People</td>
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<tr>
<td>BUS 173</td>
<td>Conflict Resolution</td>
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<tr>
<td>BUS 175</td>
<td>Values &amp; Ethics</td>
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<td>COUN 261</td>
<td>Career Skills and Job Shadowing</td>
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<td>CUL 210</td>
<td>Culinary Arts Fundamentals I</td>
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<td>CUL 213</td>
<td>Food Sanitation and Safety</td>
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<td>CUL 220</td>
<td>Culinary Arts Fundamentals II</td>
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<tr>
<td>CUL 125</td>
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<tr>
<td>CUL 230</td>
<td>Meat, Poultry, and Seafood Analysis and Production</td>
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<td>CUL 235</td>
<td>Intermediate Baking</td>
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<tr>
<td>CUL 240</td>
<td>Garde Manger</td>
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<tr>
<td>CUL 243</td>
<td>International Cuisine</td>
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<tr>
<td>CUL 145</td>
<td>Advanced Pastry Arts</td>
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<tr>
<td>CUL 149</td>
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<tr>
<td>HOPS 110</td>
<td>Hospitality Marketing and Sales</td>
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<tr>
<td>HOSP 130</td>
<td>Food and Beverage Operations</td>
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<tr>
<td>MATH 112</td>
<td>Converting Measurements</td>
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<td>NUTR 210</td>
<td>Nutrition</td>
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<td>NUTR 222</td>
<td>Food Customs and Culture</td>
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Plus .5 unit from the following:
- **BUS 170** Dealing with Change .5
- **BUS 171** Team Building .5
- **BUS 174** Customer Service .5
- **BUS 176** Attitude in the Workplace .5
- **BUS 177** Stress Management .5
- **BUS 178** Decision Making & Problem Solving .5
- **BUS 179** Time Management .5

#### C.A., CULINARY ARTS

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- **BUS 171** Team Building .5
- **BUS 174** Customer Service .5
- **BUS 176** Attitude in the Workplace .5
- **BUS 177** Stress Management .5
BUS 178  Decision Making & Problem Solving  .5
BUS 179  Time Management  .5

C.S., BAKING
Required Courses (5.5 units)
CUL 125  Baking and Baking Science I  1
CUL 145  Advanced Pastry Arts  1
CUL 210  Culinary Arts Fundamentals I  2.5
CUL 235  Intermediate Baking  1

DANCE
A.A., DANCE
Required Courses (26 units)
DANC 228  Social Dance Forms  1
DANC 225  Dance Improvisation and Composition  1
DANC 250  Dance History of the 20th Century  3
DANC 252  Dance Cultures of the World  3
DANC 255  Ballet  1
DANC 256  Jazz  1
DANC 258  Choreography and Performance  2
DANC 260A  Beginning Modern  1
DANC 260B  Intermediate Modern  1
DANC 260C  Advanced Modern  1
DRA 207  Introduction to Theatre  3
MUS 239  Fundamentals of Music  3
PEAC 206  Pilates for Fitness and Health  1
PETH 214  Foundations for Fitness  3
Plus 9 units from the following: Electives
BIO 205  Human Anatomy  4
BIO 212  Human Biology  3
DANC 249  Dance Ensemble  .5 - 3
DANC 254  Introduction to Dance  1
MUS 220  Elementary Voice  2
MUS 235  Music Appreciation  3
MUS 240  Recording Arts  2
MUS 250  Musical Theatre Workshop  3
MUS 251  Musical Theatre Performance  3
NUTR 230  Nutrition for Fitness and Sport  3

DRAMA
A.A., DRAMA
Required Courses (21 units)
DRA 201A  Principles of Acting  3
DRA 201B  Principles of Acting  3
DRA 207  Introduction to the Theatre  3
DRA 211A  Basic Theatre Practice  3
DRA 211B  Basic Theatre Practice  3
DRA 215  Introduction to Stage Movement  3
DRA 248  Play Production  3
Plus 6 units from the following:
DRA 202  Applied Principles of Acting  3
DRA 208  Voice for the Actor  3
DRA 247  Independent Studies - Drama  .5-2
DRA 250  Musical Theatre Workshop  3
DRA 251  Musical Theatre Performance  3
DRA 252  Writing, Directing, and Acting for Theatre  3

EARLY CHILDHOOD EDUCATION
A.A., EARLY CHILDHOOD EDUCATION
TEACHER: COMMUNITY TRACK
Required Courses (32 units)
ECE 201  Child Growth and Development  3
ECE 202  Child, Family and Community  3
ECE 203  Curriculum for Young Children  3
ECE 204  Child Health Safety and Nutrition  3
ECE 205  Principles and Practices of Teaching Young Children  3
ECE 206  Observation, Recording Techniques and Assessment  3
ECE 215  Teaching in a Diverse Society  3
ECE 256  Discipline and Classroom Management  3
ECE 257  Developing the Learning Environment  3
ECE 258  Supervised Field Experience  3
HEED 204*  Standard First Aid and CPR  2
Plus choose 3 units from the following:
ECE 211  Music and Movement Activities for Young Children  3
ECE 220  Art for Young Children  3
ECE 234  Children's Literature  3
Plus choose 3 units from the following:
ECE 135  Strategies for Challenging Behaviors  3
ECE 236  Understanding the Child with Special Needs  3
ECE 242  Infant-Toddler Caregiving  3
* Current certification in Standard First Aid and CPR may be substituted for HEED 4.

C.A., EARLY CHILDHOOD EDUCATION
TEACHER: COMMUNITY TRACK
Required Courses (32 units)
ECE 201  Child Growth and Development  3
ECE 202  Child, Family and Community  3
ECE 203  Curriculum for Young Children  3
ECE 204  Child Health Safety and Nutrition  3
ECE 205  Principles and Practices of Teaching Young Children  3
ECE 206  Observation, Recording Techniques and Assessment  3
ECE 215  Teaching in a Diverse Society  3
ECE 256  Discipline and Classroom Management  3
ECE 257  Developing the Learning Environment: Program and Curriculum  3
ECE 158  Supervised Field Experience  3
HEED 204*  Standard First Aid and CPR  2
Plus 3 units from the following:
ECE 211  Music and Movement Activities for Young Children  3
ECE 220  Art for Young Children  3
ECE 234  Children's Literature  3
Plus 3 units from the following:
ECE 244  Supervision and Administration of Parent Programs  3
ECE 245  Adult Supervision, Evaluation and Staff Relations in ECE  3
ECE 246  Administration and Supervision of Early Childhood Schools  3
Plus 3 units from the following:
ECE 135  Strategies for Challenging Behaviors  3
### A.A., EARLY CHILDHOOD EDUCATION

#### TEACHER: LABORATORY TRACK

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* Current certification in Standard First Aid and CPR may be substituted for HEED 4.

### C.A., EARLY CHILDHOOD EDUCATION

#### TEACHER: LABORATORY TRACK

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### C.S., EARLY CHILDHOOD EDUCATION

#### ASSOCIATE TEACHER

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### C.S., Early Childhood Education Master Teacher: Curriculum

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<td>FMST 213</td>
<td>Ethnic Identity Development Across the Life Span</td>
<td>3</td>
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<tr>
<td>SOC 206</td>
<td>Minority Group Relations</td>
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<tr>
<td>SPCM 212</td>
<td>Intercultural Communication</td>
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</table>

* If not used for required units.

### C.S., EARLY CHILDHOOD EDUCATION SITE

#### SUPERVISOR

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>ECE 207</td>
<td>Guidance of the Young Child</td>
<td>3</td>
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<tr>
<td>ECE 209</td>
<td>Program: Curriculum and Environment</td>
<td>3</td>
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<tr>
<td>ECE 215</td>
<td>Multicultural/Anti-Bias Curriculum</td>
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<td>ECE 217</td>
<td>Discipline and Classroom Management</td>
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<tr>
<td>ECE 218</td>
<td>Developing the Learning Environment</td>
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<table>
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<td>ECE 244</td>
<td>Supervision and Administration of Parent Programs</td>
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<td>ECE 245</td>
<td>Adult Supervision, Evaluations and Staff Relations in ECE</td>
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<td>ECE 246</td>
<td>Administration and Supervision of Early Childhood Schools</td>
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<tr>
<td>ECE 246</td>
<td>Administration and Supervision of Early Childhood Schools</td>
<td>3</td>
</tr>
</tbody>
</table>

* If not used for required units.
### C.S., WORKING WITH SCHOOL AGE CHILDREN

**Required Courses (15 units)**
- ECE 201 Child Growth and Development 3
- ECE 202 Child, Family and Community 3
- ECE 211 Music and Movement Activities for Young Children 3
- ECE 222 Crafts for School Age Children 3
- ECE 135 Strategies for Challenging Behaviors 3
- or ECE 236 Understanding the Child with Special Needs (3)

### ELECTRONICS AND COMPUTER TECHNOLOGY

#### A.S., COMPUTER AND NETWORKING TECHNOLOGY

**Required Courses (45 units)**
- BUS 286 Human Relations 3
- CIS 221 Operating Systems Concepts I 3
- CIS 260 Networking Fundamentals 2
- CIS 261 Router Theory and Technology 2
- CIS 262 Advanced Routing and Switching 2
- CIS 263 Wide Area Networking 2
- ETCH 111 Laboratory Techniques I 1
- ETCH 213 Electronics Fundamentals 6
- ETCH 216 Digital Circuits 4
- ETCH 218 Wireless Network Communication and Administration 4
- ETCH 253 Microcomputers Fundamentals for Technicians 3
- ETCH 254 Server Maintenance and Administration 4
- ETCH 255 Network Cabling Certification 2
- ETCH 256 Fiber Network Cabling Certification 2
- MATH 126A Intermediate Algebra 5
- or MATH 127 Intermediate Algebra (5)

### C.S., COMPUTER AND NETWORK MAINTENANCE

**Required Courses (18 units)**
- CIS 221 Operating Systems Concepts I 3
- CIS 260 Networking Fundamentals 2
- CIS 261 Router Theory and Technology 2
- ETCH 253 Microcomputer Fundamentals for Technicians 3
- ETCH 254 Server Maintenance and Administration 4
- ETCH 255 Network Cabling Certification 2
- ETCH 256 Fiber Network Cabling Certification 2
- MATH 126A Intermediate Algebra-Part I 5
- or MATH 127 Intermediate Algebra (5)

### C.S., COMPUTER REPAIR

**Required Courses (10 units)**
- CIS 221 Operating Systems Concepts I 3
- ETCH 253 Microcomputer Fundamentals for Technicians 3
- ETCH 254 Server Maintenance and Administration 4

### A.S., ELECTRO MECHANICAL TECHNOLOGY

**Required Courses (39 units)**
- CIS 201 Introduction to Programming 3
- CIS 214 Introduction to Visual Basic 3
- ETCH 111 Laboratory Techniques I 1
- ETCH 213 Electronics Fundamentals 6
- ETCH 216 Digital Circuits 4
- ETCH 224 Industrial Electronics 4
- ETCH 227 Fluid and Pneumatic Technology 4
- ETCH 255 Network Cabling Certification 2
- ENGR 226 Engineering Drawing I 4
- MATH 126A Intermediate Algebra-Part I 5
- MATH 127 Intermediate Algebra (5)
- PSCI 201A Physical Science: Physics and Chemistry 3

### C.A., ELECTRO MECHANICAL TECHNICIAN

**Required Courses (41 units)**
- CIS 201 Introduction to Programming 3
- CTCH 183A Commercial Wiring and Electrical Systems 4
- CTCH 183B Industrial Wiring and Electrical Systems 4
- ETCH 111 Laboratory Techniques I 1
- ETCH 213 Electronics Fundamentals 6
- ETCH 216 Digital Circuits 4
- ETCH 224 Industrial Electronics 4
- ETCH 227 Fluid and Pneumatic Technology 4
- ETCH 228 Programmable Logic Controllers 4
- ENGR 226 Engineering Drawing I 4
- PSCI 201A Physical Science: Physics and Chemistry 3

### A.S., ELECTRICAL TECHNOLOGY

**Required Courses (41 units)**
- CTCH 250 Introduction to Construction 3
- CTCH 169 Residential Wiring 3
- CTCH 181 National Electrical Code 3
- CTCH 183A Commercial Wiring and Electrical Systems 4
- CTCH 183B Industrial Wiring and Electrical Systems 4
- ETCH 111 Laboratory Techniques I 1
- ETCH 213 Electronics Fundamentals 6
- ETCH 224 Industrial Electronics 4
- ETCH 228 Programmable Logic Controllers 4
- ETCH 267 Power Systems and Rotating Electrical Machinery 4
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<tr>
<td>ETCH 257</td>
<td>Computer Instrumentation and Control</td>
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<tr>
<td>CTCH 163</td>
<td>Construction Management</td>
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<tr>
<td>CTCH 175</td>
<td>Basic Heating, Refrigeration, and Airconditioning</td>
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**C.A., ELECTRICAL TECHNOLOGY**

Required Courses (41 units)

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<td>CTCH 169</td>
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<td>CTCH 181</td>
<td>National Electrical Code</td>
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<td>ETCH 267</td>
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<td>ETCH 255</td>
<td>Network Cabling Certification</td>
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<td>ETCH 256</td>
<td>Advanced Network Cabling Techniques</td>
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<tr>
<td>CTCH 163</td>
<td>Construction Management</td>
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<tr>
<td>CTCH 175</td>
<td>Basic Heating, Refrigeration, and Airconditioning</td>
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**A.S., ELECTRONICS TECHNOLOGY**

Required Courses (42 units)

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<td>CIS 221</td>
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<td>Laboratory Techniques I</td>
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<td>ETCH 213</td>
<td>Electronics Fundamentals</td>
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<td>ETCH 215</td>
<td>Analog Devices</td>
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<td>ETCH 216</td>
<td>Digital Circuits</td>
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<td>ETCH 218</td>
<td>Wireless Communications and Connectivity</td>
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<tr>
<td>ETCH 220</td>
<td>Microcomputer Architecture and Programming</td>
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<td>ETCH 122</td>
<td>Logical Troubleshooting</td>
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<tr>
<td>ETCH 224</td>
<td>Industrial Electronics</td>
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<tr>
<td>ETCH 228</td>
<td>Programmable Logic Controllers</td>
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<tr>
<td>ETCH 253</td>
<td>Microcomputer Fundamentals for Technicians</td>
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<td>ETCH 255</td>
<td>Network Cabling Certification</td>
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<tr>
<td>ETCH 256</td>
<td>Advanced Network Connectivity</td>
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<td>MATH 127</td>
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<td>ATCH 158</td>
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<td>ATCH 109</td>
<td>Introduction to Automotive Computers</td>
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<td>CIS 115</td>
<td>Visual Basic for Internet Application</td>
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<td>CIS 260</td>
<td>Networking Fundamentals</td>
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<tr>
<td>CIS 261</td>
<td>Router Theory and Technology</td>
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<td>CIS 262</td>
<td>Advanced Routing and Switching</td>
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<td>CIS 263</td>
<td>Wide Area Networking</td>
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<td>CTCH 164</td>
<td>Blueprint Reading</td>
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<td>CTCH 169</td>
<td>Residential Wiring</td>
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<td>CTCH 183A</td>
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<td>ETCH 235</td>
<td>Robotics Technology</td>
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<td>ETCH 239</td>
<td>Computer Numerical Control</td>
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<td>ETCH 253</td>
<td>Microcomputer Fundamentals for Technicians</td>
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<td>ETCH 255</td>
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<tr>
<td>ENGR 226</td>
<td>Engineering Drawing I</td>
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<tr>
<td>ENGR 227</td>
<td>Engineering Drawing II</td>
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</table>
C.S., ELECTRONICS AUTOMATION TECHNOLOGY
Required Courses (15 units)
ETCH 224 Industrial Electronics 4
ETCH 228 Programmable Logic Controllers 4
ETCH 235 Robotics Technology 4
ETCH 239 Computer Numerical Controls 3

C.S., POWER AND INSTRUMENTATION CERTIFICATE
Required Courses (16 units)
ETCH 224 Industrial Electronics 4
ETCH 228 Programmable Logic Controllers 4
ETCH 257 Computer Instrumentation and Control 4
ETCH 267 Power Systems and Rotating Electrical Machinery 4

EMERGENCY MEDICAL SERVICES
Adherence to Cuesta College Paramedic students policies is required for process within and graduation from the program and satisfaction of eligibility to take the Paramedic National Registry licensure examination (NREMTP) leading to licensure as a California Paramedic. All EMS Paramedic courses must be completed with a minimum grade of “C” to progress. Conviction of a felony or of any offense substantially related to the qualifications, functions and duties of a Paramedic may constitute grounds for denial of licensure.

Students must meet one of the following:
- Full-time, six months work experience as an EMT;
- Part-time 1000 hours work experience as an EMT;
- Successful completion of an Emergency Medical Services Academy

C.A., PARAMEDIC
Required Courses (40 units)
EMS 106 Paramedic Theory 14
EMS 107 Paramedic Clinical 6
EMS 108 Paramedic Internship 9
ENGL 156 College Reading and Writing 3
MATH 123 Elementary Algebra 5
BIO 212 Human Biology 3

C.S., EMERGENCY MEDICAL SERVICES
Students must receive an 80% or better on the final exam to receive certification from EMSA.
Required Course (6 units)
EMS 201 Emergency Medical Technician I 6

C.S., EMERGENCY MEDICAL SERVICES HAZARDOUS MATERIALS FIRST RESPONDER OPERATIONAL
Students must receive an 80% or better on the final exam to receive certification from EMSA.
Required Course (1.5 units)
EMS 103 Hazardous Materials First Responder Operational 1.5

C.S., EMERGENCY MEDICAL SERVICES TECHNICIAN REFRESHER
Students must receive an 80% or better on the final exam to receive certification from EMSA.
Required Course (1.5 units)
EMS 102 Emergency Medical Technician I Refresher 1.5

C.S., EMERGENCY SERVICES
Required Course (.5 units)
EMS 104 Emergency Vehicle Operator - Ambulance .5

ENGINEERING
A.S., ENGINEERING
Completion of this program prepares the students for admission to any college or university in the engineering discipline of their choice. All courses are fully articulated and transferable. All courses listed must be completed with a “C” grade or better.
Required Courses (37 units)
CHEM 201A General College Chemistry 5
ENGR 250 Engineering Statics 3
MATH 265A Analytic Geometry and Calculus 5
MATH 265B Analytic Geometry and Calculus 5
MATH 283 Calculus 4
MATH 287 Linear Analysis 5
PHYS 208A Principles of Physics 5
PHYS 208B Principles of Physics 5

Plus 13 units (of which 9 must be earned at Cuesta) from the following, with a minimum of 3 courses from the Engineering discipline:
- CIS 217 “C” Programming Language 3
- CIS 231 Fundamentals of Computer Science I 4
- CIS 240 Microcomputer Architecture & Programming 3
- ENGR 201 Plane Surveying 3
- ENGR 210 Computational Methods for Engineers 3
- ENGR 218 Introduction to Electronic Circuit Analysis 3
- ENGR 265L Electronic Circuit Lab 1
- ENGR 246 Materials Engineering 2
- ENGR 246L Engineering Materials Lab 1
- ENGR 248 Introduction to Engineering 1
- ENGR 251 Engineering Dynamics 3
- ENGR 252A Strength of Materials I 2
- ENGR 252B Strength of Materials II 2
- ENGR 252L Strength of Materials Lab 1
- GEOL 210 Physical Geology 4
- PHYS 208C Modern Physics 3
- WELD 270A Basic Welding 3-4

C.A., COMPUTER AIDED DESIGN/DRAFTING (CAD)
All courses must be completed with a grade of “C” or better.
Required Courses (17 units)
ARCH 221 Design and Visual Communication I 4
ARCH 230 Architectural Computer Aided Drafting 3
ARCH 242 Introduction to Architectural Practice 3
ENGR 226 Engineering Drawing I 4
ENGR 227 Engineering Drawing II 3

Plus 6 units from the following:
ARCH 232 Architectural Design & Presentation Computer Graphics 3
### ARCH 222
Design and Visual Communication II 4
### ARCH 205
Architectural Modelmaking 2
### ARCH 245
Green Building with LEED Training 1
### CIS 210
Introduction to Computer Applications 4
### CTCH 250
Introduction to Construction 3
### ENGR 201
Plane Surveying 3

#### C.S., AUTOCAD - LEVEL I
Required Courses (1 unit)
- ENGR 125  AutoCAD 1

#### C.S., AUTOCAD - LEVEL I AND ENGINEERING DRAWING
Required Courses (4 units)
- ENGR 226  Engineering Drawing I 4

#### C.S., AUTOCAD - LEVEL II/INVENTOR
Required Courses (3 units)
- ENGR 227  Engineering Drawing II 3

### ENGLISH

#### A.A., ENGLISH
Required Course (10 units)
- ENGL 201A  English Composition 4
- ENGL 201B  English Composition: Introduction to Literature 3
- ENGL 201C  English Composition: Critical Thinking 3
  Plus 12 units from the following:
- ENGL 205  Introduction to Poetry 3
- ENGL 206  Introduction to the Novel 3
- ENGL 207  Introduction to the Short Story 3
- ENGL 212A  American Literature 3
- ENGL 212B  American Literature 3
- ENGL 213  Multicultural Voices in American Literature 3
- ENGL 215  Shakespeare 3
- ENGL 216  Literature and Film 3
- ENGL 217  Literature by Women 3
- ENGL 244A  European Literature 3
- ENGL 244B  European Literature 3
- ENGL 246A  Survey of British Literature 3
- ENGL 246B  Survey of British Literature 3

### ENGLISH AS A SECOND LANGUAGE

#### C.A., ENGLISH AS A SECOND LANGUAGE, INTERMEDIATE
Required Course (12 units)
- ESL 003  ESL Reading, Writing, and Grammar, Level 3 6
- ESL 004  ESL Reading, Writing, and Grammar, Level 4 6
  Plus 2 units from the following:
- ESL 025A  ESL 25A Intermediate Level Conversation 2
- ESL 025B  ESL 25B Intermediate Level Conversation 2
- ESL 025C  ESL 25C Intermediate Level Conversation 2

#### C.A., ENGLISH AS A SECOND LANGUAGE, ADVANCED
Required Course (15 units)
- ESL 005  ESL Reading, Writing, and Grammar, Level 5 6

#### ESL 006A
English as a Second Language, Writing and Grammar, Level 6 6
### ESL 006B
English as a Second Language, Reading, Level 6 3
  Plus 2 units from the following:
- ESL 035A  ESL 35A Advanced Level Conversation 2
- ESL 035B  ESL 35B Advanced Level Conversation 2
- ESL 035C  ESL 35C Advanced Level Conversation 2

#### FACILITIES

### A.S., FACILITIES TECHNOLOGY MANAGEMENT
Required Courses (46-47 units)
- ATCH 166  Automotive Maintenance and Light Repair 2
- BUS 245  Introduction to Business 3
- BUS 283  Management and Supervision 3
- CTCH 250  Introduction to Construction 3
- CTCH 168  Residential Plumbing 3
- CTCH 169  Residential Wiring 3
- CTCH 183A  Commercial Wiring and Electrical Systems 4
- ETCH 111  Laboratory Techniques 1 1
- ETCH 213  Electronics Fundamentals 6
- ETCH 224  Industrial Electronics 4
- ETCH 227  Fluid and Pneumatic Technology 4
- ETCH 255  Network Cabling Certification 2
- MATH 126A  Intermediate Algebra-Part 1 5
  or MATH 127  Intermediate Algebra 5
- WELD 270A  Basic Welding 3-4
  Plus 3 units from the following:
- ATCH 152  Internal Combustion Engines 3
- ATCH 158  Automotive Electricity and Electronics 4
- ATCH 168  Automotive Repair Business 3
- ATCH 280  Manual Drivetrains 3
- ATCH 188  Automotive Heating And Air Conditioning 3
- CIS 210  Introduction to Computer Applications 3
- CTCH 183B  Industrial Wiring and Electrical Systems 4
- ETCH 228  Programmable Logic Controllers 4
- ETCH 257  Instrumentation and Control 4
- ETCH 267  Power Systems and Rotating Electrical Machinery 4
- LDER 255  Community Internship 1-3
- LDER 261A  Philosophy of Leadership 1.5
- LDER 261B  Leadership: Success Strategies Seminar 1.5
- WELD 270B  Advanced Welding 3-4

### C.S., FACILITIES TECHNOLOGY
Required Courses (18-19 Units)
- ATCH 166  Automotive Maintenance and Light Repair 2
- CTCH 250  Introduction to Construction 3
- CTCH 168  Residential Plumbing 3
- ETCH 111  Laboratory Techniques 1 1
- ETCH 213  Electronics Fundamentals 6
- WELD 270A  Basic Welding 3-4

### FAMILY STUDIES/HUMAN SERVICES

#### A.A., FAMILY STUDIES/HUMAN SERVICES
Students transferring to four-year colleges or universities are urged to include Psychology 1A and Sociology 1A as part of their General Education/Breadth requirements.
Required Courses (27 units)
- FMST 202  The Child, Family and Community 3
- FMST 205  Life Management 3
### FMST Courses

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<tr>
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<td>Introduction to Human Services</td>
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<tr>
<td>FMST 212</td>
<td>Human Development: Life Span</td>
<td>3</td>
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<tr>
<td>or FMST 220</td>
<td>Aging in the 21st Century: Social Gerontology</td>
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<tr>
<td>FMST 213</td>
<td>Ethnic Identity Development Across the Life Span</td>
<td>3</td>
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<td>FMST 214</td>
<td>Family, Relationships and Intimacy</td>
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<td>FMST 215</td>
<td>Developmental Patterns of Women</td>
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<td>FMST 216</td>
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<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>FMST 212*</td>
<td>Human Development: Life Span</td>
<td>3</td>
</tr>
<tr>
<td>or FMST 220*</td>
<td>Aging in the 21st Century: Social Gerontology</td>
<td>3</td>
</tr>
<tr>
<td>FMST 270</td>
<td>Introduction to Addiction Studies: Addiction and the Community</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>FMST 278</td>
<td>Families andAddiction</td>
<td>3</td>
</tr>
<tr>
<td>LDER 253</td>
<td>Peer Counseling</td>
<td>2</td>
</tr>
<tr>
<td>or LDER 255</td>
<td>Community Internship</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 201</td>
<td>Introductory Psychology</td>
<td>3</td>
</tr>
<tr>
<td>SOC 201A</td>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>SOC 206</td>
<td>Minority Group Relations</td>
<td>3</td>
</tr>
<tr>
<td>WEXP 252/252L</td>
<td>Cooperative Work Experience – Occupational</td>
<td>1-4</td>
</tr>
</tbody>
</table>

* If not used for required units

### FASHION DESIGN AND MERCHANDISING

#### A.A., FASHION DESIGN

**Required Courses (36 units)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGR 125</td>
<td>AutoCAD</td>
<td>1</td>
</tr>
<tr>
<td>FDM 210</td>
<td>Introduction to Fashion</td>
<td>3</td>
</tr>
<tr>
<td>FDM 212</td>
<td>Textiles</td>
<td>3</td>
</tr>
<tr>
<td>FDM 214</td>
<td>Apparel Evaluation</td>
<td>3</td>
</tr>
<tr>
<td>FDM 215</td>
<td>Design Analysis and Color Theory</td>
<td>3</td>
</tr>
<tr>
<td>FDM 216</td>
<td>Fashion Illustration</td>
<td>3</td>
</tr>
<tr>
<td>FDM 218</td>
<td>Commercial Fashion Design</td>
<td>3</td>
</tr>
<tr>
<td>FDM 220</td>
<td>Fashion Analysis</td>
<td>3</td>
</tr>
<tr>
<td>FDM 225</td>
<td>History of Fashion: Classic Through 19th Century</td>
<td>3</td>
</tr>
<tr>
<td>or FDM 226</td>
<td>20th Century Trends and Designs</td>
<td>(3)</td>
</tr>
<tr>
<td>FDM 260</td>
<td>Product Development</td>
<td>3</td>
</tr>
<tr>
<td>FDM 263</td>
<td>Clothing Construction</td>
<td>3</td>
</tr>
<tr>
<td>FDM 165</td>
<td>Pattern Development</td>
<td>2</td>
</tr>
<tr>
<td>FDM 270</td>
<td>Fashion Portfolio Presentation</td>
<td>3</td>
</tr>
</tbody>
</table>

Plus 3 units from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 200</td>
<td>Art Appreciation</td>
<td>3</td>
</tr>
<tr>
<td>ART 211</td>
<td>Beginning Drawing</td>
<td>2-3</td>
</tr>
<tr>
<td>ART 222</td>
<td>Intermediate Drawing</td>
<td>2-3</td>
</tr>
<tr>
<td>ART 223</td>
<td>Life Drawing</td>
<td>2-3</td>
</tr>
</tbody>
</table>

Plus 3 units from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 245</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>BUS 170*</td>
<td>Dealing with Change</td>
<td>.5</td>
</tr>
<tr>
<td>BUS 171*</td>
<td>Team Building</td>
<td>.5</td>
</tr>
<tr>
<td>BUS 172*</td>
<td>Communicating with People</td>
<td>.5</td>
</tr>
<tr>
<td>BUS 173*</td>
<td>Conflict Resolution</td>
<td>.5</td>
</tr>
<tr>
<td>BUS 174*</td>
<td>Customer Service</td>
<td>.5</td>
</tr>
<tr>
<td>BUS 175*</td>
<td>Values &amp; Ethics</td>
<td>.5</td>
</tr>
<tr>
<td>BUS 176*</td>
<td>Attitude in the Workplace</td>
<td>.5</td>
</tr>
<tr>
<td>BUS 177*</td>
<td>Stress Management</td>
<td>.5</td>
</tr>
<tr>
<td>BUS 178*</td>
<td>Decision Making &amp; Problem Solving</td>
<td>.5</td>
</tr>
<tr>
<td>BUS 179*</td>
<td>Time Management</td>
<td>.5</td>
</tr>
<tr>
<td>FDM 225**</td>
<td>History of Fashion: Classic Through 19th Century</td>
<td>3</td>
</tr>
<tr>
<td>or FDM 226**</td>
<td>20th Century Trends and Designs</td>
<td>(3)</td>
</tr>
<tr>
<td>FDM 230</td>
<td>Fashion Buying</td>
<td>3</td>
</tr>
<tr>
<td>FDM 235</td>
<td>Fashion Promotion</td>
<td>3</td>
</tr>
<tr>
<td>CIS 210</td>
<td>Introduction to Computer Applications</td>
<td>4</td>
</tr>
<tr>
<td>FDM 240</td>
<td>Visual Merchandising and Display</td>
<td>3</td>
</tr>
<tr>
<td>FDM 247</td>
<td>Independent Study: Fashion Design and Merchandising</td>
<td>.5-2</td>
</tr>
<tr>
<td>or WEXP 252</td>
<td>Cooperative Work Experience Education - Occupational</td>
<td>(.5)</td>
</tr>
<tr>
<td>and WEXP 252L</td>
<td>Cooperative Work Experience Lab - Occupational</td>
<td>(5-3.5)</td>
</tr>
</tbody>
</table>

* No more than 3 units
** If not used for required units
**A.A., FASHION MERCHANDISING**

Required Courses (31 units)

- CIS 210 Introduction to Computer Applications 4
- FDM 210 Introduction to Fashion 3
- FDM 212 Textiles 3
- FDM 214 Apparel Evaluation 3
- FDM 215 Design Analysis and Color Theory 3
- FDM 220 Fashion Analysis 3
- FDM 225 History of Fashion: Classic through 19th Century 3
  or FDM 226 20th Century Trends and Designs (3)
- FDM 230 Fashion Buying 3
- FDM 235 Fashion Promotion 3
- FDM 240 Visual Merchandising and Display 3

Plus 9 units from the following:

- BUS 240 Advertising 3
  or BUS 243 Marketing (3)
- BUS 248 Small Business Management 3
  or BUS 249 Entrepreneurship (4)
- BUS 283 Management and Supervision 3
  or BUS 286 Human Relations (3)

Plus 3 units from the following:

- BUS 170* Dealing with Change .5
- BUS 171* Team Building .5
- BUS 172* Communicating with People .5
- BUS 173* Conflict Resolution .5
- BUS 174* Customer Service .5
- BUS 175* Values & Ethics .5
- BUS 176* Attitude in the Workplace .5
- BUS 177* Stress Management .5
- BUS 178* Decision Making & Problem Solving .5
- BUS 179* Time Management .5
- FDM 216 Fashion Illustration 3
  or FDM 218 Commercial Fashion Design (3)
- FDM 225** History of Fashion: Classic through 19th Century 3
  or FDM 226** 20th Century Trends and Designs (3)
- FDM 247 Independent Study: Fashion Design and Merchandising .5-2
  or WEXP 252 Cooperative Work Experience Education - Occupational (.5)
  and WEXP 252L Cooperative Work Experience Lab - Occupational (.5-3.5)
- FDM 260 Product Development 3

* No more than 3 units
** If not used for required units

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**A.S., GEOLOGY**

Required Courses (38-39 units)

- CHEM 201A General College Chemistry 5
- CHEM 201B General College Chemistry 5
- GEOL 210 Physical Geology 4
- GEOL 211 Historical Geology 4
  or GEOL 220 Geology of California (3)
  and GEOL 229A Geological Science Field Studies (1)
  and GEOL 229B Geological Science Field Studies (1)
- MATH 265A Analytic Geometry and Calculus 5
- PHYS 208A Physics 5
- PHYS 208B Principles of Physics 5

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**A.A., HISTORY**

Required Courses (12 units)

- HIST 203A History of World Civilizations 3
  or HIST 203B History of World Civilizations (3)
- HIST 208A History of Latin America 3
  or HIST 208B History of Latin America (3)
- HIST 219 History of the Far East 3
  or HIST 235 History of African Civilization (3)
- HIST 204A History of Western Civilization (3)
- HIST 207A History of the United States 3
- POLS 204 World Politics 3
- POLS 206 Comparative Government (3)
### HOSPITALITY

**A.S., HOSPITALITY**

**Required Courses (28 units)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>HOSP 105*</td>
<td>Front Office Operations</td>
<td>3</td>
</tr>
<tr>
<td>HOSP 110*</td>
<td>Hospitality Marketing and Sales</td>
<td>3</td>
</tr>
<tr>
<td>HOSP 115*</td>
<td>Housekeeping Operations</td>
<td>3</td>
</tr>
<tr>
<td>HOSP 120*</td>
<td>Supervision in the Hospitality Industry</td>
<td>3</td>
</tr>
<tr>
<td>HOSP 125*</td>
<td>Hospitality Law</td>
<td>3</td>
</tr>
<tr>
<td>HOSP 130*</td>
<td>Food and Beverage Operations</td>
<td>3</td>
</tr>
<tr>
<td>HOSP 135*</td>
<td>Hospitality Security and Loss Prevention</td>
<td>3</td>
</tr>
<tr>
<td>HOSP 140*</td>
<td>Hospitality Training and Development Skills</td>
<td>3</td>
</tr>
<tr>
<td>WEXP 151/151L</td>
<td>Cooperative Work Experience Education - General</td>
<td>1-3</td>
</tr>
</tbody>
</table>

or WEXP 252/252L Cooperative Work Experience Education - Occupational 1-4

* Completion of courses earns Hotel Lodging Association Hospitality certificates.

### C.A., HOSPITALITY

**Required Courses (24 units)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>HOSP 105</td>
<td>Front Office Operations</td>
<td>3</td>
</tr>
<tr>
<td>HOSP 110</td>
<td>Hospitality Marketing and Sales</td>
<td>3</td>
</tr>
<tr>
<td>HOSP 115</td>
<td>Housekeeping Operations</td>
<td>3</td>
</tr>
<tr>
<td>HOSP 120</td>
<td>Supervision in the Hospitality Industry</td>
<td>3</td>
</tr>
<tr>
<td>HOSP 125</td>
<td>Hospitality Law</td>
<td>3</td>
</tr>
<tr>
<td>HOSP 130</td>
<td>Food and Beverage Operations</td>
<td>3</td>
</tr>
<tr>
<td>HOSP 135</td>
<td>Hospitality Security and Loss Prevention</td>
<td>3</td>
</tr>
<tr>
<td>HOSP 140</td>
<td>Hospitality Training and Development Skills</td>
<td>3</td>
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</table>

### INTERIOR DESIGN

**A.A., INTERIOR DESIGN**

**Required Courses (47 units)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARCH 221</td>
<td>Design and Visual Communication I</td>
<td>4</td>
</tr>
<tr>
<td>CIS 210</td>
<td>Introduction to Computer Applications</td>
<td>4</td>
</tr>
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</table>

or POLS 209 Introduction to Political Theory (3)

Plus 9 units from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 201A</td>
<td>Principles of Economics</td>
<td>3</td>
</tr>
<tr>
<td>HIST 203A*</td>
<td>History of World Civilizations</td>
<td>3</td>
</tr>
<tr>
<td>HIST 203B*</td>
<td>History of World Civilizations</td>
<td>3</td>
</tr>
<tr>
<td>HIST 204A*</td>
<td>History of Western Civilization</td>
<td>3</td>
</tr>
<tr>
<td>HIST 204B*</td>
<td>History of Western Civilization</td>
<td>3</td>
</tr>
<tr>
<td>HIST 207A*</td>
<td>History of the United States</td>
<td>3</td>
</tr>
<tr>
<td>HIST 207B*</td>
<td>History of the United States</td>
<td>3</td>
</tr>
<tr>
<td>HIST 208A*</td>
<td>History of Latin America</td>
<td>3</td>
</tr>
<tr>
<td>HIST 208B*</td>
<td>History of Latin America</td>
<td>3</td>
</tr>
<tr>
<td>HIST 210</td>
<td>History of California</td>
<td>3</td>
</tr>
<tr>
<td>HIST 212</td>
<td>History of the Mexican-American</td>
<td>3</td>
</tr>
<tr>
<td>HIST 219*</td>
<td>History of the Far East</td>
<td>3</td>
</tr>
<tr>
<td>HIST 233</td>
<td>History of the Afro-American</td>
<td>3</td>
</tr>
<tr>
<td>HIST 235*</td>
<td>History of African Civilization</td>
<td>3</td>
</tr>
<tr>
<td>HIST 239</td>
<td>History of the Role of Woman</td>
<td>3</td>
</tr>
</tbody>
</table>

* If not used for required units.

**Plus 6 units from the following:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARCH 222</td>
<td>Design and Visual Communication II</td>
<td>4</td>
</tr>
<tr>
<td>ART 200</td>
<td>Art Appreciation</td>
<td>3</td>
</tr>
<tr>
<td>ART 221</td>
<td>Beginning Drawing</td>
<td>2-3</td>
</tr>
<tr>
<td>BUS 246</td>
<td>Retail Merchandising</td>
<td>3</td>
</tr>
<tr>
<td>BUS 248</td>
<td>Small Business Management</td>
<td>3</td>
</tr>
<tr>
<td>BUS 249</td>
<td>Entrepreneurship</td>
<td>4</td>
</tr>
<tr>
<td>BUS 286</td>
<td>Human Relations</td>
<td>3</td>
</tr>
<tr>
<td>CTCH 180A</td>
<td>Building Code 1, Architectural Design Provisions</td>
<td>3</td>
</tr>
<tr>
<td>FDM 240</td>
<td>Visual Merchandising and Display</td>
<td>3</td>
</tr>
<tr>
<td>ID 245</td>
<td>Design and History of Furniture: 18th – 20th Century</td>
<td>3</td>
</tr>
<tr>
<td>ID 260</td>
<td>Interior Design: European Excursions</td>
<td>2</td>
</tr>
</tbody>
</table>

### C.A., INTERIOR DESIGN

**Required Courses (47 units)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARCH 221</td>
<td>Design and Visual Communication I</td>
<td>4</td>
</tr>
<tr>
<td>CIS 210</td>
<td>Introduction to Computer Applications</td>
<td>4</td>
</tr>
</tbody>
</table>

CIS 210 Introduction to Computer Applications 4

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ID 210</td>
<td>Interior Design</td>
<td>3</td>
</tr>
<tr>
<td>ID 212</td>
<td>Textiles</td>
<td>3</td>
</tr>
<tr>
<td>ID 215</td>
<td>Design Analysis and Color Theory</td>
<td>3</td>
</tr>
<tr>
<td>or FDM 215</td>
<td>Design Analysis and Color Theory</td>
<td>3</td>
</tr>
<tr>
<td>ID 217</td>
<td>Rendering &amp; Rapid Visualization for Interior Design</td>
<td>3</td>
</tr>
<tr>
<td>ID 219</td>
<td>Interior Architectural Drafting</td>
<td>3</td>
</tr>
<tr>
<td>ID 220</td>
<td>Materials and Products of Interior Design</td>
<td>3</td>
</tr>
<tr>
<td>ID 222</td>
<td>Interior Space and Light Planning</td>
<td>3</td>
</tr>
<tr>
<td>ID 228</td>
<td>Residential and Commercial Interior Design</td>
<td>3</td>
</tr>
<tr>
<td>ID 234</td>
<td>AutoCAD for Interior Designers</td>
<td>3</td>
</tr>
<tr>
<td>ID 135</td>
<td>Professional Practices</td>
<td>3</td>
</tr>
<tr>
<td>ID 240</td>
<td>Design and History of Furniture: Ancient – 18th Century</td>
<td>3</td>
</tr>
<tr>
<td>ID 245</td>
<td>Design and History of Furniture: 18th – 20th Century</td>
<td>3</td>
</tr>
</tbody>
</table>

Plus 6 units from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 200</td>
<td>Art Appreciation</td>
<td>3</td>
</tr>
<tr>
<td>ART 221</td>
<td>Beginning Drawing</td>
<td>2-3</td>
</tr>
<tr>
<td>BUS 246</td>
<td>Retail Merchandising</td>
<td>3</td>
</tr>
<tr>
<td>BUS 248</td>
<td>Small Business Management</td>
<td>3</td>
</tr>
<tr>
<td>BUS 249</td>
<td>Entrepreneurship</td>
<td>4</td>
</tr>
<tr>
<td>BUS 286</td>
<td>Human Relations</td>
<td>3</td>
</tr>
<tr>
<td>CTCH 180A</td>
<td>Building Code 1, Architectural Design Provisions</td>
<td>3</td>
</tr>
<tr>
<td>FDM 240</td>
<td>Visual Merchandising and Display</td>
<td>3</td>
</tr>
</tbody>
</table>
A.A., INTERNATIONAL STUDIES

Required Courses (26 units)

- ANTH 203 Cultural Anthropology 3
- GEOG 202 Cultural Geography 3
- POLS 204 World Politics 3
- POLS 206 Comparative Government 3
- ECON 201A Principles of Economics 3
- ECON 201B Principles of Economics 3
- 2 semester Foreign Language (French, German, Spanish) 8

A.A., JOURNALISM

Required Courses (24-25 units)

- ENGL 201A English Composition 4
- JOUR 201A News Writing and Reporting 3
- JOUR 201B Introduction to Mass Communication 3
- JOUR 202A Introduction to News Production 4
- JOUR 202B News Production 4
- JOUR 202C News Production 4
- ART 244 Photography 2-3
  or ART 245 Intermediate Photography (2-3)

Plus 3 units from the following:
- BCST 221 Introduction to Broadcasting 3
- BCST 226 Writing for Electronic Media 3
- SPCM 201A Public Address 3

LEADERSHIP

C.S., LEADERSHIP STUDIES

Required Courses (10.5-14 units)

- LDER 247* Independent Studies: Leadership .5-2
- LDER 261A Philosophy of Leadership 1.5
- LDER 261B Leadership Success Strategies Seminar 1.5
- LDER 262 Student Leadership (minimum 2 semesters) 4-6
- LDER 263 Exploring Leadership-Making a Difference 3

* NOTE: The Independent Study course for this certificate must include a project related strictly to Leadership Studies.

C.S., SERVICE LEADERSHIP

Required Courses (7.5-13 units)

- LDER 247* Independent Studies: Leadership .5-2
- LDER 253 Peer Counseling 2
- LDER 255 Community Internship (minimum 2 semesters) 1-3, 1-3
- LDER 261A Philosophy of Leadership 1.5
- LDER 261B Leadership Success Strategies Seminar 1.5

* NOTE: The Independent Study course for this certificate must include a project related strictly to Service Leadership.

LEGAL STUDIES

A.A., LEGAL STUDIES: BUSINESS EMPHASIS

Required Courses (12 units)

- ECON 201A Principles of Economics 3
- LGL 217 Introduction to Law 3
- SOC 201A Introduction to Sociology 3
- POLS 202 Government of the United States 3
- BUS 218 Business Law 3
- BUS 245 Introduction to Business 3
- ECON 201B Principles of Economics 3
- MATH 147 Introduction to Statistics 4
- MATH 255 Calculus for Business and Management 3

A.A., LEGAL STUDIES: SOCIAL SCIENCE EMPHASIS

Required Courses (12 units)

- ECON 201A Principles of Economics 3
- POLS 202 Government of the United States 3
- LGL 217 Introduction to Law 3
- SOC 201A Introduction to Sociology 3
- ANTH 203 Cultural Anthropology 3
- BUS 218 Business Law 3
- ECON 201B Principles of Economics 3
- POLS 201 Introduction to Political Science 3
- POLS 204 World Politics 3
- BUS 206 Comparative Government 3
- BUS 209 Introduction to Political Theory 3
- HIST 204A History of Western Civilization 3
- HIST 204B History of Western Civilization 3
- HIST 207A History of United States 3
- HIST 207B History of United States 3
- MATH 147 Introduction to Statistics 4
- PHIL 208 Introduction to Logic 3
- PHIL 213 Philosophical Classics in Ethics and Social Philosophy 3

LIBERAL ARTS – AREAS OF EMPHASIS

LIBERAL ARTS

The Associate of Arts in Liberal Arts Degree is designed for students who wish a broad knowledge of liberal arts and sciences plus additional coursework in an “Area of Emphasis”. The Associate of Arts in Liberal Arts Degree would be an ideal choice for those students planning on transferring to the California State University or University of California as the student can satisfy their general education requirements, plus focus on transferable coursework that relates to majors at CSU or UC.

- Choose either Option I or II or III for the General Education pattern related to your educational goal.
- Complete 18 units in one “Area of Emphasis” from those outlined below.

(Note: Where appropriate, courses in the “area of emphasis” may also be counted for a GE area)

- For ALL OPTIONS: complete necessary Cuesta College graduation and proficiency requirements. (See Cuesta College Catalog and meet with a counselor)
I. ASSOCIATE IN ARTS DEGREE: Students selecting this option must complete all of the required courses for Cuesta College AA/AS General Education Pattern.
II. CSU/GE: Students selecting this option must complete all of the required courses for CSU GE Certification.
III. IGETC: Students selecting this option must complete all of the required courses for IGETC Certification.

AREAS OF EMPHASIS:
• 18 units required from one Area of Emphasis listed below
• Courses selected can be used to also fulfill GE areas.
• For depth, include a minimum of two courses from a single discipline
• For breadth, include at least three disciplines in your selection.
• All courses listed below transfer to CSU
• Courses in BOLD also transfer to UC

NOTE: Effective Fall 2009, a grade of a “C” or better is required for all required courses for IGETC Certification.

BUSINESS/ECONOMICS, HOSPITALITY MANAGEMENT AND RECREATION ADMINISTRATION

These courses emphasize the integration of theory and practice within the fields of business, economics, hospitality or hotel management and recreation administration. Students will develop the ability to effectively manage and lead organizations in a variety of settings. Students will demonstrate an understanding of the place of business and management within the global economy. Students will critically apply ethical standards to business practices and decisions.

This area of emphasis is for students who are planning to transfer in one of the following majors: Economics*, Business, Hospitality Management, Agribusiness or Recreation Administration.

Students should check with a counselor to determine if this area of emphasis is appropriate for them.

• BUS (Business) 201A, 201B, 218, 245, 249
• CIS 210
• ECON (Economics) 201A, 201B, 211
• MATH (Mathematics) 232, 242, 255, 265A, 236, 247
• PETH (Physical Education Theory) 204, 207, 208

*Students transferring to a CSU or UC as a Economics major should consult with a counselor to determine what area of emphasis is appropriate for them.

MATHEMATICS AND SCIENCES

These courses emphasize the natural sciences which examine the physical universe, its life forms and its natural phenomena. Courses in Math emphasize the development of mathematical and quantitative reasoning skills beyond the level of intermediate algebra. Students will be able to demonstrate an understanding of the methodologies of science as investigative tool. Students will also be able to examine the influence that acquisition of scientific knowledge has on the development of the world’s civilization.

At least one mathematics course is required for this area of emphasis. This area of emphasis is for students who are planning to transfer in one of the following majors: Biology, Chemistry, Ecology, Engineering, Geology, Marine Biology, Mathematics and Nutrition. Students should check with a counselor to determine if this area of emphasis is appropriate for them.

• BIO (Biology) 201A, 201B, 202, 203, 204, 205, 206, 211, 212, 212L, 216, 220, 220L, 221, 222, 222L, 224
• CHEM (Chemistry) 201A, 201B, 210, 210FAL, 211, 212A, 212B
• GEOL (Geology) 210, 211, 212, 220
• MATH (Mathematics) 229, 231, 232, 236, 242, 247, 255, 265A, 265B, 283, 287
• NUTR (Nutrition) 210, 211
• OCEN (Oceanography) 210, 210L
• PSCI (Physical Science) 201A, 201AL
• PHYS (Physics) 205A, 205B, 208A, 208B, 208C, 210

Electives may be necessary to total 60 overall units required for the Associate degree.

ARTS, HUMANITIES AND COMMUNICATIONS

These courses emphasize the study of cultural, literary, and humanistic activities, as well as artistic expression of human beings. Students will evaluate and interpret the ways in which people through the ages in different cultures have expressed themselves and responded to the world around them through artistic and cultural creation. Students will also learn to value aesthetic understanding and incorporate these concepts when constructing value judgments.

This area of emphasis is for students who are planning to transfer in one of the following majors: Art, Art History, Communications, Drama, English, French, Philosophy, Spanish, German, Music and Philosophy. Students should check with a counselor to determine if this area of emphasis is appropriate for them.

• ASL (American Sign Language) 215A, 215B, 215C
• ART (Art) 200, 203, 204, 205, 206, 220, 221, 222, 223, 224, 229, 230, 231, 232, 240, 241, 244, 245, 253, 268, 270, 271, 273, 280, 281, 282, 283
• BCST (Broadcasting) 221
• DANC (Dance) 225, 228, 250, 252, 255, 256, 258, 260A, 260B, 260C
• DRA (Drama) 201A, 201B, 206, 207, 20 8, 211A, 215, 218, 248, 251
• ENGL (English) 201A, 201C, 205, 206, 207, 212A, 212B, 213, 215, 216, 217, 231, 244A, 244B, 246A, 246C
• FR (French) 201, 202, 203, 204
• GER (German) 201, 202, 203, 204
• HIST (History) 203A, 203B, 204A, 204B, 207A, 207B, 212, 219, 233, 235, 239
• JOUR (Journalism) 201A, 201B

PHIL (Philosophy) 205, 206, 209, 212, 213
• SPAN (Spanish) 201, 202, 203, 204
• SPCM (Speech) 201A, 202A, 210, 212, 215

All classes listed below transfer to CSU. Courses in BOLD also are transferable to UC. Refer to www.ASSIST.org for transfer details.
**SOCIAL AND BEHAVIORAL SCIENCES**

These courses emphasize the perspective, concepts, theories and methodologies of the disciplines typically found in the vast variety of disciplines that comprise study in the Social and Behavioral Sciences. Students will study about themselves and others as members of a larger society. Topics and discussion to stimulate critical thinking about ways people have acted in response to their societies will allow students to evaluate how societies and social subgroups operate.

This area of emphasis is for students who are planning to transfer in one of the following majors: Anthropology, Criminal Justice, Child Development, Economics*, Family Studies, Geography, History, Political Science, Psychology and Sociology. Students should check with a counselor to determine if this area of emphasis is appropriate for them.

- ANTH (Anthropology) 201, 201A, 202, 203, 220, 221, 225
- CJ (Criminal Justice) 202, 206
- ECE (Early Childhood Education) 201, 202
- ECON (Economics) 201A, 201B, 211
- FMST (Family Studies) 202, 214
- GEOG (Geography) 202
- LGL (Legal Studies) 217
- MATH (Mathematics) 236 or 247
- POLI (Political Science) 201, 202, 204, 206, 209
- PSYC (Psychology) 201, 202, 206, 233
- SOC (Sociology) 201A, 201B, 202, 206, 208

*Students transferring to a CSU or UC as an Economics major should consult with a counselor to determine what area of emphasis is appropriate for them.

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**C.A., CSU GENERAL EDUCATION**

Complete the lower-division California State University General Education pattern.

**C.A., IGETC GENERAL EDUCATION**

Complete the Intersegmental General Education Transfer Curriculum (IGETC).

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**LIBRARY/INFORMATION TECHNOLOGY**

**A.S., LIBRARY/INFORMATION TECHNOLOGY**

**Required Courses (25.5 units)**

- CIS 210 Introduction to Computer Applications 4
- ENGL 201A English Composition 4
- LIBT 101 Introduction to Library Services 1
- LIBT 104 Organizing Information 3
- LIBT 105 Library/Information Center Collections 3
- LIBT 106 Introduction to the Internet 1
- LIBT 108 Library Supervisory Skills 1
- LIBT 109 Library Public Services 3
- LIBT 114 Information Technology Internship 2
- LIBT 115 Technology in the Workplace 2
- LIBT 117 Ethics in the Information Age 1
- DIST 101 Introduction to Online Courses .5

Plus 4 units from the following:

- CAOA 246 Beginning Word Processing: Microsoft Word 3
  or CAOA 148 Beginning Word Processing: WordPerfect for Windows (3)
- CAOA 160 Microcomputer Operations 3
- CAOA 261 Introduction to Spreadsheets 3
- CAOA 264 Introduction to Database Management 3
- CAOA 265 Desktop Publishing 3
- CAOA 167 PowerPoint 1
- ECE 234 Children’s Literature 3
- ECE 207 Guidance of the Young Child 3
- LIBT 102 Introduction to Web Technologies and Concepts 1
- LIBT 207 Web Page Development with XHTML 3
- LIBT 110 School Library/Media Center Services 2
- LIBT 111 JavaScript Fundamentals 1
- LIBT 212 Research Skills for Information Age 1
- LIBT 113 Advanced Internet Searching 1
- LIBT 116 Multimedia Applications for the Web 2
- LIBT 118 Connecting Adolescents with Literature and Libraries 3
- LIBT 147 Independent Studies .5-2

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**C.A., LIBRARY/INFORMATION TECHNOLOGY**

**Required Courses (17.5 units)**

- LIBT 101 Introduction to Library Services 1
- LIBT 104 Organizing Information 3
- LIBT 105 Library/Information Center Collections 3
- LIBT 106 Introduction to the Internet 1
- LIBT 108 Library Supervisory Skills 1
- LIBT 109 Library Public Services 3
- LIBT 114 Information Technology Internship 2
- LIBT 115 Technology in the Workplace 2
- LIBT 117 Ethics in the Information Age 1
- DIST 101 Introduction to Online Courses .5

Plus 9 units from the following:

- CAOA 246 Beginning Word Processing: Microsoft Word 3
  or CAOA 148 Beginning Word Processing: WordPerfect for Windows (3)
- CAOA 160 Microcomputer Operations 3
- CAOA 261 Introduction to Spreadsheets 3
- CAOA 264 Introduction to Database Management 3
- CAOA 265 Desktop Publishing 3
- CAOA 167 PowerPoint 1
- CIS 210 Introduction to Computer Applications 4
- ECE 234 Children’s Literature 3
- ECE 207 Guidance of the Young Child 3
- LIBT 102 Introduction to Web Technologies and Concepts 1
- LIBT 207 Web Page Development with XHTML 3
- LIBT 110 School Library/Media Center Services 2
- LIBT 111 JavaScript Fundamentals 1
- LIBT 212 Research Skills for Information Age 1
- LIBT 113 Advanced Internet Searching 1
- LIBT 116 Multimedia Applications for the Web 2
- LIBT 118 Connecting Adolescents with Literature and Libraries 3
- LIBT 147 Independent Studies .5-2

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**MATHEMATICS**

**A.S., MATHEMATICS**

A minimum of nine units from Math 65A, 65B, 83 or 87 must be earned at Cuesta College for a Mathematics, A.S. Degree.

**Required Courses (19 units)**

- CAOA 160 Microcomputer Operations 3
- CAOA 261 Introduction to Spreadsheets 3
- CAOA 264 Introduction to Database Management 3
- CAOA 265 Desktop Publishing 3
- CAOA 167 PowerPoint 1
- CIS 210 Introduction to Computer Applications 4
- ENGL 201A English Composition 4
- LIBT 101 Introduction to Library Services 1
- LIBT 104 Organizing Information 3
- LIBT 105 Library/Information Center Collections 3
- LIBT 106 Introduction to the Internet 1
- LIBT 108 Library Supervisory Skills 1
- LIBT 109 Library Public Services 3
- LIBT 114 Information Technology Internship 2
- LIBT 115 Technology in the Workplace 2
- LIBT 117 Ethics in the Information Age 1
- DIST 101 Introduction to Online Courses .5
- LIBT 102 Introduction to Web Technologies and Concepts 1
- LIBT 207 Web Page Development with XHTML 3
- LIBT 110 School Library/Media Center Services 2
- LIBT 111 JavaScript Fundamentals 1
- LIBT 212 Research Skills for Information Age 1
- LIBT 113 Advanced Internet Searching 1
- LIBT 116 Multimedia Applications for the Web 2
- LIBT 118 Connecting Adolescents with Literature and Libraries 3
- LIBT 147 Independent Studies .5-2
MATH 265A Analytic Geometry and Calculus 5
MATH 265B Analytic Geometry and Calculus 5
MATH 283 Calculus 4
MATH 287 Linear Analysis 5

Plus 8 units from the following:
CHEM 201A General College Chemistry 5
CHEM 201B General College Chemistry 5
MATH 147 Introduction to Statistics 4
PHYS 208A Principles of Physics 5
PHYS 208B Principles of Physics 5
PHYS 208C Modern Physics 3

A.S., MEDICAL ASSISTING
All Allied Health courses must be completed with a minimum grade of “C” to progress within and to graduate from the program in order to fulfill Designated Degree requirements.
Required Courses (33 units)
BIO 212 Human Biology 3
BUS 251 Elements of Accounting 4
CAOA 123 Business English 3
MAST 110 Medical Assisting Basics 2
MAST 111 Medical Assisting Fast Track 12
NRAD 222 Medical Terminology 3
PSYC 201 Introductory Psychology 3
SOCI 201A Introduction to Sociology 3

Plus 3 units from the following:
CAOA 128 Office Technology and Telecommunications 3
CAOA 264 Introduction to Database Management 3
MAST 109 Phlebotomy 3

C.A., MEDICAL ASSISTING
All Allied Health courses must be completed with a minimum grade of “C” to progress within and to graduate from the programs in order to fulfill Occupational Certificate requirements.
Required Courses (23 units)
BIO 212 Human Biology 3
CAOA 123 Business English 3
MAST 110 Medical Assisting Basics 2
MAST 111 Medical Assisting Fast Track 12
NRAD 222 Medical Terminology 3

Plus 3 units from the following with a minimum grade of “C” for each course:
BUS 251 Elements of Accounting 4
CAOA 128 Office Technology and Telecommunications 3
CAOA 264 Introduction to Database Management 3
MAST 109 Phlebotomy 3
NAST 148 Nursing Assistant 5

C.S., MEDICAL ASSISTING
Required Courses (14 units)
MAST 110 Medical Assisting Basics 2
MAST 111 Medical Assisting Fast Track 12

C.S., PHLEBOTOMY
Required Course (3 units)
MAST 109 Phlebotomy 3

MUSIC
A.A., JAZZ STUDIES
Required Courses (21 units)
MUS 203A Music Theory 5
MUS 203B Music Theory 5
MUS 203C Music Theory 3
MUS 212 Applied Music (4 times) 8

Plus 8 units from the following:
MUS 223 Vocal Jazz Ensemble 2-3
MUS 231 Jazz Ensemble 1-3
MUS 233 Jazz Improvisation 2
MUS 232A Concert Jazz Ensemble 1-3

C.A., AUDIO TECHNOLOGY
Required Courses (16 units)
MUS 239 Fundamentals of Music 3
MUS 240 Recording Arts I: Fundamentals of Audio Technology 3
MUS 241 Recording Arts II: Studio Workshop I 3
MUS 242 Recording Arts III: Advanced Audio Technology 3
MUS 243 Recording Arts IV: Studio Workshop II 4
**NURSING ASSISTANT**

**C.S., NURSING ASSISTANT**
Conviction by any court of a crime requires prior clearance by the Department of Health Services before providing patient care.

Required Course (5 units)

NAST 148 Nursing Assistant 5

**C.S., NURSING ASSISTANT, ACUTE CARE NURSE ASSISTANT**

Required Course (3 units)

NAST 145 Acute Care Nurse Assistant 3

**C.S., NURSING ASSISTANT, EKG MONITOR OBSERVER**

Required Course (2.5 units)

NAST 125 EKG Monitor Observer 1

**A.S., NURSING, REGISTERED**

Adherence to Cuesta College NRAD student policies is required for progress within and graduation from the program and satisfaction of eligibility to take professional licensure examinations. All nursing courses must be completed with a minimum grade of "C" to progress. Conviction of a felony or of any offense substantially related to the qualifications, functions and duties of a Registered Nurse may constitute grounds for denial of licensure.

Required Courses (75.5-78.5 units)

**NRAD 201** Foundations of Nursing/Caring 2
**NRAD 201A** Nurse Caring Concepts 2
**NRAD 201B** Nurse Caring Practicum I 5
**NRAD 201D** Decision Making Data I 2
**NRAD 202A** Nurse Caring Family Concepts 3
**NRAD 202B** Nurse Caring Practicum II 8
**NRAD 202D** Decision Making Data II 2
**NRAD 203A** Nurse Caring Concepts III 2
**NRAD 203B** Nurse Caring Practicum III 5
**NRAD 203D** Nurse for Medical-Surgical Clients 2
**NRAD 204** Nurse Leadership/Management 1
**NRAD 204A** Nurse Caring Concepts for Clients Psychiatrically at Risk 2
**NRAD 204B** Nurse Caring for People at Risk Practicum 6
**NRAD 204D** Nurse Caring for People at Risk Concepts 2
**NRAD 120** Supplementary Nursing Skills Practice (3 semesters) .5,.5,.5
**BIO 204** General Bacteriology or Equivalent 4-5
**BIO 205** Human Anatomy 4
**BIO 206** General Human Physiology or Equivalent 4-5
**ENGL 201A** English Composition or Equivalent 3-4
**PSYC 201** Introductory Psychology 3
**SOC 201A** Introduction to Sociology 3
**SPCM 201A** Public Address or a course in interpersonal relations or communications skills 3

**C.A., NURSING, REGISTERED**

Adherence to Cuesta College NRAD student policies is required for progress within and graduation from the program and satisfaction of eligibility to take professional licensure examinations. All nursing courses must be completed with a minimum grade of "C" to progress. Conviction of a felony or of any offense substantially related to the qualifications, functions and duties of a Registered Nurse may constitute grounds for denial of licensure.

Required Courses (69.5-72.5 units)

**NRAD 201** Foundations of Nursing/Caring 2
**NRAD 201A** Nurse Caring Concepts 2
**NRAD 201B** Nurse Caring Practicum I 5
**NRAD 201D** Decision Making Data I 2
**NRAD 202A** Nurse Caring Family Concepts 3
**NRAD 202B** Nurse Caring Practicum II 8
**NRAD 202D** Decision Making Data II 2
**NRAD 203A** Nurse Caring Concepts III 2
**NRAD 203B** Nurse Caring Practicum III 5
**NRAD 203D** Nurse for Medical-Surgical Clients 2
**NRAD 204** Nurse Leadership/Management 1
**NRAD 204A** Nurse Caring Concepts for Clients Psychiatrically at Risk 2
**NRAD 204B** Nurse Caring for People at Risk Practicum 6
**NRAD 204D** Nurse Caring for People at Risk Concepts 2
**NRAD 120** Supplementary Nursing Skills Practice (3 semesters) .5,.5,.5
**BIO 204** General Bacteriology or Equivalent 4-5
**BIO 205** Human Anatomy 4
**BIO 206** General Human Physiology or Equivalent 4-5
**ENGL 201A** English Composition or Equivalent 3-4
**PSYC 201** Introductory Psychology 3
**SOC 201A** Introduction to Sociology 3
**SPCM 201A** Public Address or a course in interpersonal relations or communications skills 3

**C.A., NURSING, REGISTERED (30 UNIT OPTION)**

These students will be identified by the director of nursing as having met the BRN requirements under the LVN 30-unit options. All nursing courses must be completed with a minimum grade of “C” to progress. Conviction of a felony or of any offense substantially related to the qualifications, functions and duties of a Registered Nurse may constitute grounds for denial of licensure.

Required Courses (30 units)

**NRAD 203** Nursing Transitions 1
**NRAD 203A** Nurse Caring Concepts III 2
**NRAD 203B** Nurse Caring Practicum III 5
**NRAD 203D** Nurse Caring for Medical-Surgical Clients 2
**NRAD 203H** Third Semester Readiness Nursing .5
**NRAD 204** Nurse Leadership/Management 1
**NRAD 204A** Nurse Caring Concepts for Clients Psychiatrically at Risk 2
**NRAD 204B** Nurse Caring for People at Risk Practicum 6
**NRAD 204D** Nurse Caring for People at Risk Concepts 2
**NRAD 220** Supplementary Nursing Skills Practice .5
**BIO 204** General Bacteriology or Equivalent 5
**BIO 212** Human Biology 3
C.A., NURSING, LICENSED VOCATIONAL NURSE
Adherence to Cuesta College LVN student policies is required for progress within and graduation from the program and satisfaction of eligibility to the vocational nurse licensure examination. All vocational nursing courses must be completed with a minimum grade of “C” to progress. Conviction of a felony or of any offense substantially related to the qualifications, functions and duties of a LVN may constitute grounds for denial of licensure.

Required Courses (60 units)
LVN 101 Fundamentals Theory and Basics of Nursing 5
LVN 101A Fundamental Skills 6
LVN 101B Fundamental Clinical 3
LVN 102 Maternal Child and Intermediate Vocational Nursing Theory 6
LVN 102A Intermediate and Medication Skills 6
LVN 102B Maternal/Child and Intermediate Clinical 6
LVN 103 Advanced Vocational Nursing Theory 6
LVN 103A Advanced Skills lab for Vocational Nursing 6
LVN 103B Advanced Vocational Nursing Clinical 6
BIO 212 Human Biology 3
ENGL 156 College Reading and Writing 4
MATH 003 Arithmetic 3

C.S., LICENSED VOCATIONAL NURSE, BASIC INTRAVENOUS THERAPY, BLOOD TRANSFUSION, AND PHLEBOTOMY
Student must successfully complete LVN 103B or its equivalent.

Required Courses (2 units)
LVN 004 Basic Intravenous Therapy, Blood Transfusion, and Phlebotomy 2

PAARALEGAL
A.A., PARALEGAL
Required Courses (46-48 units)
BUS 218 Business Law 3
CAOA 123 Business English 3
CAOA 252 Computerized Accounting Using QuickBooks Pro 3
CIS 210 Introduction to Computer Applications 4
or CJ 202 Introduction to Criminal Justice (3)
CJ 206 Concepts of Criminal Law 3
LGL 217 Introduction to the Law 3
LGL 220 Legal Research and Writing 3
LGL 222 Tort and Insurance Law 3
LGL 123 Estate Planning and Administration 2
LGL 124 Family Law 2
PLGL 101 Introduction to Law Office Procedures for Paralegals 3
PLGL 102A Law Office Procedures for Family Law 1
PLGL 102B Law Office Procedures for Estate Planning and Administration 1
PLGL 203 Paralegal Internship 1-3
PLGL 105 Civil Litigation Procedures and Documents 3
PLGL 106 Business Organizations 2
PLGL 130 Interviewing and Investigation for Paralegals 1
PLGL 131 Current Ethical Issues for Paralegals 1
PLGL 132 Legal Terminology for Paralegals 1
RE 163 Legal Aspects of Real Estate 3

C.A., PARALEGAL
Required Courses (46-48 units)
BUS 218 Business Law 3
CAOA 123 Business English 3
CAOA 252 Computerized Accounting Using QuickBooks Pro 3
CIS 210 Introduction to Computer Applications 4
or CJ 202 Introduction to Criminal Justice (3)
CJ 206 Concepts of Criminal Law 3
LGL 217 Introduction to the Law 3
LGL 220 Legal Research and Writing 3
LGL 222 Tort and Insurance Law 3
LGL 123 Estate Planning and Administration 2
LGL 124 Family Law 2
PLGL 101 Introduction to Law Office Procedures for Paralegals 3
PLGL 102A Law Office Procedures for Family Law 1
PLGL 102B Law Office Procedures for Estate Planning and Administration 1
PLGL 203 Paralegal Internship 1-3
PLGL 105 Civil Litigation Procedures and Documents 3
PLGL 106 Business Organizations 2
PLGL 130 Interviewing and Investigation for Paralegals 1
PLGL 131 Current Ethical Issues for Paralegals 1
PLGL 132 Legal Terminology for Paralegals 1
RE 163 Legal Aspects of Real Estate 3

PARAMEDIC
See Emergency Medical Services

PHYSICAL EDUCATION
A.S., FITNESS, HEALTH AND NUTRITION
Required Courses (28-29 units)
BIO 205 Human Anatomy 4
or BIO 212 Human Biology (3)
HEED 202 Health Education 3
HEED 204 Standard First Aid and CPR 2
HEED 206 Health Aspects of Drug Use 3
NUTR 210 Nutrition 3
or NUTR 211 Introduction to Nutrition for Health Professionals (3)
NUTR 230 Nutrition for Fitness and Sport 3
PETH 204 Recreation Program Planning 3
PETH 213 Introduction to Prevention and Care of Athletic Injuries 2
PETH 214 Foundations for Fitness 3
PETH 218 Exercise Leadership 3

C.A., FITNESS, HEALTH AND NUTRITION
Required Courses (28-29 units)
BIO 205 Human Anatomy 4
or BIO 212 Human Biology (3)
HEED 202 Health Education 3
HEED 204 Standard First Aid and CPR 2
HEED 206 Health Aspects of Drug Use 3
NUTR 210 Nutrition 3
or NUTR 211 Introduction to Nutrition for Health Professionals (3)
A.S., PHYSICAL EDUCATION
Required Courses (30 units)
BIO 205 Human Anatomy 4
BIO 206 General Human Physiology 5
HEED 202 Health Education 3
or HEED 203 Women's Health Issues (3)
or HEED 208 Multicultural Health Issues (3)
HEED 204 Standard First Aid and CPR 2
PETH 205 Intro to Physical Education 2
PETH 213 Introduction to Prevention and Care of Athletic Injuries 2
PETH 214 Foundations for Fitness 3
PETH 218 Exercise Leadership 3

PHYSICS
A.S., PHYSICS
Required Courses (29-31 units)
MATH 265A Analytic Geometry and Calculus 5
MATH 265B Analytic Geometry and Calculus 5
MATH 283 Calculus 3
MATH 185 Differential Equations 3
or MATH 287 Linear Analysis (5)
PHYS 208A Principles of Physics 5
PHYS 208B Principles of Physics 5
PHYS 208C Modern Physics 3

POLITICAL SCIENCE
A.A., POLITICAL SCIENCE
Required Courses (18 units)
POLS 201 Introduction to Political Science 3
POLS 202 Government of the United States 3
POLS 204 World Politics 3
POLS 205 Law and Politics: Introduction to Legal Controversies 3
POLS 206 Comparative Government 3
POLS 209 Introduction to Political Theory 3

Note: No more than 6 units

C.S., PERSONAL TRAINING
Required Courses (15 units)
BIO 205 Human Anatomy 4
NUTR 230 Nutrition for Fitness and Sports 3
PETH 213 Introduction to Prevention and Care and Care of Athletic Injuries 2
PETH 214 Foundations for Fitness 3
PETH 218 Exercise Leadership and Assessment 3

PSYCHIATRIC TECHNICIAN
A.S., PSYCHIATRIC TECHNICIAN
Required Courses (69.5 units)
BIO 212 Human Biology 3
### A.A., PSYCHIATRIC TECHNICIAN

**Required Courses (60.5 units)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYT 207</td>
<td>Nursing Sciences</td>
<td>18.5</td>
</tr>
<tr>
<td>PSYT 208</td>
<td>Care of the Developmentally Disabled</td>
<td>17</td>
</tr>
<tr>
<td>PSYT 209</td>
<td>Psychiatric Nursing</td>
<td>18.5</td>
</tr>
<tr>
<td>PSYT 110</td>
<td>Introduction to Psychiatric Technician</td>
<td>6.5</td>
</tr>
</tbody>
</table>

### RECREATION

**A.A., RECREATION ADMINISTRATION**

**Required Courses (31 units)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS 210</td>
<td>Introduction to Computer Applications</td>
<td>4</td>
</tr>
<tr>
<td>HEED 202</td>
<td>Health Education</td>
<td>3</td>
</tr>
<tr>
<td>or HEED 208</td>
<td>Multicultural Health Issues</td>
<td>(3)</td>
</tr>
<tr>
<td>HEED 204</td>
<td>Standard First Aid and CPR</td>
<td>2</td>
</tr>
<tr>
<td>MATH 147</td>
<td>Introduction to Statistics</td>
<td>4</td>
</tr>
<tr>
<td>PETH 203</td>
<td>Intramural and Recreational Sport Programming</td>
<td>3</td>
</tr>
<tr>
<td>PETH 204</td>
<td>Recreation Program Planning</td>
<td>3</td>
</tr>
<tr>
<td>PETH 207</td>
<td>Introduction to Recreation and Leisure Services</td>
<td>3</td>
</tr>
<tr>
<td>PETH 208</td>
<td>Recreation Leadership</td>
<td>3</td>
</tr>
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</table>

Plus 6 units from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>PEAC 240</td>
<td>Swimming (Intermediate or Advanced Level)</td>
<td>.5-1</td>
</tr>
<tr>
<td>PEAC 254</td>
<td>Introduction to Dance</td>
<td>.5-1</td>
</tr>
<tr>
<td>PEAC 265</td>
<td>Adult Fitness</td>
<td>.5-1</td>
</tr>
<tr>
<td>PEAC 266</td>
<td>Endurance Conditioning</td>
<td>.5-1</td>
</tr>
<tr>
<td>PEAC 268</td>
<td>Stretching Routines for Fitness and Sport</td>
<td>.5-1</td>
</tr>
</tbody>
</table>

### SOCIOLOGY

**A.A., SOCIOLOGY**

**Required Courses (12 units)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOC 201A</td>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>SOC 201B</td>
<td>Social Institutions</td>
<td>3</td>
</tr>
<tr>
<td>SOC 202</td>
<td>Social Problems</td>
<td>3</td>
</tr>
<tr>
<td>or SOC 206</td>
<td>Minority Group Relations</td>
<td>3</td>
</tr>
<tr>
<td>or SOC 208</td>
<td>Introduction to Women's Studies</td>
<td>3</td>
</tr>
</tbody>
</table>

Plus 9-11 units from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 203</td>
<td>Cultural Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 225</td>
<td>Contemporary Cultures of the World</td>
<td>3</td>
</tr>
<tr>
<td>ECON 201A</td>
<td>Principles of Economics</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 202</td>
<td>Cultural Geography</td>
<td>3</td>
</tr>
<tr>
<td>POLS 204</td>
<td>World Politics</td>
<td>3</td>
</tr>
<tr>
<td>POLS 206</td>
<td>Comparative Government</td>
<td>3</td>
</tr>
<tr>
<td>HEED 203</td>
<td>Women's Health Issues</td>
<td>3</td>
</tr>
<tr>
<td>HEED 208</td>
<td>Multicultural Health Issues</td>
<td>3</td>
</tr>
<tr>
<td>HIST 204A</td>
<td>History of Western Civilization</td>
<td>3</td>
</tr>
<tr>
<td>HIST 204B</td>
<td>History of Western Civilization</td>
<td>3</td>
</tr>
<tr>
<td>HIST 207A</td>
<td>History of the United States</td>
<td>3</td>
</tr>
<tr>
<td>HIST 207B</td>
<td>History of the United States</td>
<td>3</td>
</tr>
<tr>
<td>HIST 208A</td>
<td>History of Latin America</td>
<td>3</td>
</tr>
<tr>
<td>HIST 208B</td>
<td>History of Latin America</td>
<td>3</td>
</tr>
<tr>
<td>HIST 210</td>
<td>History of California</td>
<td>3</td>
</tr>
<tr>
<td>HIST 212</td>
<td>History of the Mexican-American</td>
<td>3</td>
</tr>
<tr>
<td>HIST 219</td>
<td>History of the Far East</td>
<td>3</td>
</tr>
<tr>
<td>HIST 233</td>
<td>History of the Afro-American</td>
<td>3</td>
</tr>
<tr>
<td>HIST 235</td>
<td>History of African Civilization</td>
<td>3</td>
</tr>
<tr>
<td>HIST 239</td>
<td>History of the Role of Woman</td>
<td>3</td>
</tr>
<tr>
<td>MATH 236</td>
<td>Introduction to Applied Statistics</td>
<td>3</td>
</tr>
<tr>
<td>or MATH 147</td>
<td>Statistics for Business</td>
<td>(4)</td>
</tr>
<tr>
<td>or MATH 149</td>
<td>Statistics for Business</td>
<td>(5)</td>
</tr>
<tr>
<td>PHIL 206</td>
<td>Introduction to Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 208</td>
<td>Introduction to Logic</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 209</td>
<td>World Religions</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 201</td>
<td>Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 206</td>
<td>Introduction to Social Psychology</td>
<td>3</td>
</tr>
<tr>
<td>SOC 204</td>
<td>Introduction to Criminology</td>
<td>3</td>
</tr>
</tbody>
</table>

### C.S., WOMEN'S STUDIES

**Required Courses (3 units)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOC 208</td>
<td>Introduction to Women's Studies</td>
<td>3</td>
</tr>
</tbody>
</table>

Plus 12 units from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 217</td>
<td>Literature by Women</td>
<td>3</td>
</tr>
<tr>
<td>FMST 215</td>
<td>Developmental Patterns of Women</td>
<td>3</td>
</tr>
<tr>
<td>HEED 203</td>
<td>Women's Health Issues</td>
<td>3</td>
</tr>
<tr>
<td>HIST 237</td>
<td>History of American Women</td>
<td>3</td>
</tr>
</tbody>
</table>
TRANSFER CERTIFICATES

C.A., CSU GENERAL EDUCATION
Complete the lower-division California State University General Education pattern.

C.A., IGETC GENERAL EDUCATION
Complete the Intersegmental General Education Transfer Curriculum (IGETC).

WEB DEVELOPMENT TECHNOLOGIES

C.A., WEB DEVELOPMENT TECHNOLOGIES
Required Courses (20 units)
ART 220 Fundamentals of 2-Dimensional Design 3
BUS 243 Marketing 3
BUS 248 Small Business Management 3
LIBT 102 Introduction to Web Technologies and Concepts 1
LIBT 106 Introduction to the Internet 1
LIBT 107 Web Page Development with XHTML 3
LIBT 111 JavaScript Fundamentals 1
LIBT 114 Information Technology Internship 2
LIBT 116 Multimedia Applications for the Web 2
LIBT 117 Ethics in the Information Age 1
Plus 6 units from the following:
ART 255 Adobe Illustrator: Art, Design, and Photography 1
ART 256 Adobe Photoshop: Art, Design, and Photography 1
ART 266 Graphic Design 3
ART 267 Intermediate Graphic Design 3
ART 293 Portfolio Presentation 3
BUS 260 International Business 3
BUS 283 Management and Supervision 3
CAOA 264 Introduction to Database Management 3
CAOA 268 Introduction to Photoshop 3
CIS 217 “C” Programming Language 3
CIS 219 Object Oriented Programming - C++ 3
CIS 218 Operating Systems Concepts I 3
CIS 103 Fundamentals of Programming for the Internet 2
CIS 128 Windows Server Administration 3
CIS 143 Web Site Administration 4
ENGL 210 Technical Communication 4

C.S., WELDING TECHNOLOGY
Required Course (3-4 units)
WELD 280 Welding Certification 3-4

WELDING

A.S., WELDING TECHNOLOGY
Required Courses (28-32 units)
ENGL 210A English Composition 4
or ENGL 210 Technical Communication (4)
ENGR 226 Engineering Drawing I 4
MATH 123 Elementary Algebra 5
or MATH 123SI Elementary Algebra with Supplemental Learning (5)
WELD 270A Basic Welding 3-4
WELD 270B Advanced Welding 3-4
WELD 170C Welding: GMAW and GTAW 3-4
WELD 277 Metal Fabrication 3
WELD 280 Welding Certification 3-4

* OR satisfactory completion of the math proficiency for graduation.
TRANSFER

TRANSFER TO THE CALIFORNIA STATE UNIVERSITY (CSU) SYSTEM

TRANSFER TO THE UNIVERSITY OF CALIFORNIA (UC) SYSTEM

INTERSEGMENTAL GENERAL EDUCATION TRANSFER CURRICULUM (IGETC)
TRANSFER TO THE CALIFORNIA STATE UNIVERSITY (CSU) SYSTEM

Cuesta College offers courses to meet lower division (freshman and sophomore) General Education requirements for transfer to universities and colleges both public and private. For specific majors, consult the appropriate four-year catalog. Cuesta College Counseling Services will provide additional information in planning a specific freshman and sophomore year program for students. The California State University (CSU) General Education pattern is subject to change. Students are advised to check with Counseling Services.

GENERAL EDUCATION BREADTH PATTERN FOR THE CSU SYSTEM

To obtain a bachelor’s degree from the CSU system, a student must complete a minimum of 48 term credits of General Education courses, nine of which must be upper division credits.

Cuesta College may certify a maximum of thirty-nine (39) credits as having fulfilled the CSU lower division General Education requirements. No more than thirty (30) term credits may be certified for areas B through D combined. It is required that the students complete all of Area A and B3 with grades of “C” or better prior to transfer. A class taken at another accredited institution may be included in Cuesta College’s certification if the class would have been certified at the other institution. At Cuesta College, ASSIST is used to provide accurate data about articulation agreements, thus reducing the possibility of students receiving incorrect information. Visit ASSIST at http://www.assist.org.

GENERAL EDUCATION CERTIFICATION

Applications for General Education certifications can be obtained in the Admissions and Records Office. To be fully certified, students must complete 9 credits in each area of A, B, C, and D, and 3 credits in area E.

DISTRIBUTION OF COURSES

The following courses are applicable to the General Education requirements that may be certified by Cuesta College. They must be distributed as follows (* = course prerequisite).

AREA A: COMMUNICATION IN THE ENGLISH LANGUAGE

A minimum of nine (9) term credits are required to satisfy the CSU General Education requirements in this area. Included are courses that involve one, or all, of the following: oral communication, written communication, critical thinking, and consideration of common fallacies in reasoning. Cuesta College will certify a maximum of nine (9) credits in this area. Area A must be completed with a grade of “C” or better prior to transfer.

Choose one (1) course each from A1, A2, and A3.

[A1] ORAL COMMUNICATION

SPCM 201A  Public Address (3)
SPCM 210  Small Group Discussion (3)
*SPCM 215  Argumentation and Debate (3)

[A2] WRITTEN COMMUNICATION

Engl 201A  English Composition (4)

[A3] CRITICAL THINKING

Select one (1) course from the following:

ENGL 201B  English Composition: Intro to Literature (3)
ENGL 201C  English Composition: Critical Thinking (3)
PHIL 208  Introduction to Logic (3)

*SPCM 215  Argumentation and Debate (3)

* Course cannot be double counted.

AREA B: PHYSICAL UNIVERSE, AND LIFE FORMS

A minimum of nine (9) credits is required. Choose one (1) course each from B1, B2, and B3. At least one lab course is required in B1 or B2 area. Lab courses are underlined.

[B1] PHYSICAL SCIENCE

Astronomy
210  Astronomy (3)

Chemistry
201A  General College Chemistry (5)
201B  General College Chemistry (5)
210  Introductory Chemistry (4)

Oceanography
210  Oceanography (3)

Physical Science
201A  Physical Science: Physics & Chemistry (3)
201B  Physical Science: Astronomy and Geology (3)

Physics
205A  General Physics (4)
205B  General Physics (4)
208A  Principles of Physics (5)
208B  Principles of Physics (5)
210  Introduction to Physics (3)

[B2] LIFE FORMS

Biology
201A  Biology (5)
201B  Biology (5)
202  General Botany (5)
203  General Zoology (5)
204  General Bacteriology (5)
205  Human Anatomy (4)
206  General Human Physiology (5)
211  Life Science (3)
212  Human Biology (3)
213  Genetics in Society (3)
216  Plants and People (4)
220  Environmental Biology (3)
221  General Ecology (4)
222 Introduction to Marine Science (3)
224 Principles of Natural History (3)

Psychology
202T* Introduction to Biological Psychology (3)

[B3] LABORATORY ACTIVITY
Must be taken with or subsequent to corresponding course from B1 or B2.

Astronomy
210L* Astronomy Lab (1)

Physical Science
201AL* Physical Science Lab (1)

Biology
212L* Human Biology Lab (1)
220L* Environmental Science Lab (1)
222L* Introduction to Marine Science Lab (1)

Oceanography
210L* Oceanography (3)

[B4] MATHEMATICS/QUANTITATIVE REASONING
One course must be completed with a grade of “C” or better prior to transfer.

Mathematics
229T Trigonometry (3)
230T Mathematics for the Humanities (3)
231T Trigonometry with Geometric Foundations (5)
232T College Algebra (3)
236T Introduction to Applied Statistics (3)
242T Precalculus Algebra (5)
247T Introduction to Statistics (4)
255T Calculus for Business and Management (3)
265A* Analytic Geometry and Calculus (5)
265B* Analytic Geometry and Calculus (5)
283T Calculus (4)
287T Linear Analysis (5)

AREA C: ARTS, LITERATURE, PHILOSOPHY AND FOREIGN LANGUAGES
A minimum of nine (9) semester credits is required. Choose one course from C1, one course from C2, and additional courses from either.

[C1] ARTS

Art
200 Art Appreciation (3)
203 Survey of Art History: Old Stone Age through Gothic (3)
204 Survey of Art History: Renaissance through 19th Century (3)
205 Survey of Art History: 20th Century (3)
206 Survey of Art History: Non-Western Art (3)
220 Fundamentals of 2-D Design (2-3)
221 Beginning Drawing (2-3)
222T Intermediate Drawing (2-3)
223T Life Drawing (2-3)
230T Beginning Painting (2-3)
231T Intermediate Painting (2-3)
232T Watercolor Painting (2-3)
234T Figure Painting (2-3)
241T Etching (3)
244T Photography (2-3)
245T Intermediate Photography (2-3)
246T Camera Art (2)
247 Film and Video Art (2)
266T Graphic Design (2-3)
267T Graphic Design (2-3)
270 3-Dimensional Design (2-3)
271 Beginning Sculpture (2-3)
273T Figure Sculpture (2-3)
274T Sculpture Foundry (2-3)
280 Ceramics (2-3)
281T Ceramics (2-3)
282T Intermediate Ceramics (2-3)
290T Art Excursions (0.5-1)
293 Portfolio Presentation (2-3)
295 Art Gallery (3-4-5)

Dance
250 Dance History of the 20th Century (3)
252 Dance Cultures of the World (3)

Drama
201A Principles of Acting (3)
202T Principles of Acting (3)
205 Introduction to Dramatic Literature (3)
206 Theater Appreciation (3)
207 Introduction to the Theatre (3)
211A Basic Theatre Practice (3)
218 Main Currents in Motion Pictures (3)
248 Play Production (3)
250T Musical Theatre Workshop (3)

Music
220 Elementary Voice (2)
230A Music History (3)
230B Music History (3)
235 Music Appreciation: Classical Music (3)
237 Music Appreciation: American Popular Music (3)
238 Music Appreciation: Jazz History (3)
239 Fundamentals of Music (3)
250T Musical Theatre Workshop (3)
253T Master Chorale (2)
258 Elementary Piano (2)

Speech
202A Oral Interpretation of Literature (Same as Drama 10A) (3)

[C2] HUMANITIES

American Sign Language
215A Beginning American Sign Language (3)
215B* Intermediate American Sign Language (3)

Early Childhood Education
234T Literature for Young Children (3)

English
205T Introduction to Poetry (3)
206T Introduction to the Novel (3)
207T Introduction to the Short Story (3)
208T Introduction to Drama (3)
212A* American Literature (3)
212B* American Literature (3)
213P Multicultural Voices in American Literature (3)
215P Shakespeare (3)
216P Literature and Film (3)
217P Literature by Women (3)
231P Creative Writing (3)
244AP European Literature (3)
244BP European Literature (3)
246AP Survey of British Literature (3)
246BP Survey of British Literature (3)

French
201 Elementary French (4)
202P French (4)
203P French (4)
204P French (4)

German
201 Elementary German (4)
202P German (4)
203P German (4)
204P German (4)

History
*203A History of World Civilization (3)
*203B History of World Civilization (3)
*204A History of Western Civilization (3)
*204B History of Western Civilization (3)

Philosophy
205 Introduction to the Bible (3)
206 Introduction to Philosophy (3)
209 World Religions (3)
212 Philosophical Classics in Theory of Reality (3)
213 Philosophical Classics in Ethics and Social Philosophy (3)

Spanish
201 Elementary Spanish (4)
202P Spanish (4)
203P Spanish (4)
204P Spanish (4)

* Course(s) cannot be double-counted

AREA D: SOCIAL, POLITICAL, AND ECONOMIC INSTITUTIONS

A minimum of nine (9) term credits is required. Choose three courses from at least two (2) disciplines

[D1] ANTHROPOLOGY & ARCHEOLOGY

Anthropology
201 Physical Anthropology (3)
202 Archaeology (3)
203 Cultural Anthropology (3)
220 California Indians (3)
221 North American Indians (3)
225 Contemporary Culture of the World (3)

[D2] ECONOMICS

Economics
201A Principles of Economics (3)
211 Global Economics (3)

[D3] ETHNIC STUDIES

Speech Communication
212 Intercultural Communication (3)

Family Studies
213 Ethnic Identity Development Across the Life Span (3)

[D4] GENDER STUDIES

History
237 History of American Women (3)

Sociology
208 Introduction to Women’s Studies (3)

[D5] GEOGRAPHY

Geography
201AP Principles of Economics (3)
211 Global Economics (3)

[D6] HISTORY

History
*203A History of World Civilization (3)
*203B History of World Civilization (3)
204A History of Western Civilization (3)
204B History of Western Civilization (3)
207A History of the U.S. (3)
207B History of the U.S. (3)
208A History of Latin America (3)
208B History of Latin America (3)
210 History of California (3)
212 History of the Mexican-American (3)
219 History of the Far East (3)
237 History of American Women (3)
233 Afro-American History (3)
235 The History of African Civilization (3)
239 The History of the Role of Women (3)

* Course(s) cannot be double counted

[D7] INTERDISCIPLINARY SOCIAL OR BEHAVIORAL SCIENCE

Early Childhood Education
202P The Child, Family and Community (3)

Family Studies
202P The Child, Family and Community (3)
214 Marriage and Family Relations (3)

[D8] POLITICAL SCIENCE, GOVERNMENT & LEGAL INSTITUTIONS

Legal
217 Introduction to Law (3)

Political Science (Prior to Fall 2004 Government)
201 Introduction to Political Science (3)
202 Government of the U.S. (3)
204 World Politics (3)
205 Law and Politics: Introduction to Legal Controversies (3)
206 Comparative Government (3)
209 Introduction to Political Theory (3)
ADMISSION AS A TRANSFER STUDENT TO THE CSU SYSTEM

Admission as a transfer student to a CSU campus is subject to change. Check with Counseling Services for confirmation.

A student will qualify for admission as a transfer student if the student has a grade point average of 2.0 or better in all transferable credits attempted, was in good standing at the last college attended, and meets the following standards:

1. Was eligible as a freshman, or
2. Was eligible as a freshman except for the college preparatory subjects in English and mathematics and has satisfied the subject deficiencies, or
3. Has completed sixty (60) transferable term credits and has satisfied any deficiencies in college preparatory English and mathematics (non-residents must have a grade point average of 2.4 or better).

The CSU campuses are:

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

[PSYCHOLOGY]

Psychology
201A  Introduction to Psychology (3)
233  Personality and Adjustment (3)

[SOCIOLOGY]

Sociology
201A  Introduction to Sociology (3)
201B  Social Institutions (3)
202  Social Problems (3)
208  Introduction to Women's Studies

NOTE: United States History, Constitution, and American Ideals Requirement. The CSU system will not award a degree until this requirement is fulfilled. HIST 207A or HIST 207B and POLS 202 will fulfill this requirement.

AREA E: LIFELONG UNDERSTANDING AND SELF DEVELOPMENT

A minimum of three (3) term credits is required to satisfy the CSU General Education requirement in this area. Included in this area are classes designed to equip people for lifelong understanding and development of themselves as integrated physiological and psychological entities. Cuesta College will certify a maximum of three (3) credits in this area. Select three (3) credits from the following courses:

Academic Skills (Prior to Spring 2004 Learning Skills 102)
225  College Success (3)

Early Childhood Education
201  Child Growth and Development (3)

Family Studies
212  Human Development Life Span (3)
215  Developmental Patterns of Women (3)
216  Parenting (3)
218  Human Sexuality (3)
220  Introduction to Gerontology (3)

Health Education
202  Health Education (3) or
203  Women's Health Issues (3) or
206  Health Aspects of Drug Use (3)
208  Multicultural Health (3)

Nutrition
210  Nutrition (3)

Psychology
201A  Introductory Psychology (3)
206  Introduction to Social Psychology (3)
235  Psychological Principles of Communication (3)

Sociology
206  Minority Group Relations (3)

Note: Additions to the General Education Breadth Pattern can be located on the ASSIST web site at http://www.assist.org.
TRANSFER TO THE UNIVERSITY OF CALIFORNIA (UC) SYSTEM

ADMISSION AS A RESIDENT STUDENT TO THE UNIVERSITY OF CALIFORNIA

Course requirements vary from one UC campus to the next. Therefore, students should work with a counselor to first select a particular UC campus to formulate a strategy for completing that campus' admissions requirements, major requirements, and general education requirements. Students should consult the catalog of the UC campus of their choice to find out specific details regarding transfer, major, and breadth requirements.

Students in this category must:

A. Complete 60 term credits or 90 quarter units of transferable college course work with a grade point average of at least 2.40, and

B. Complete a course pattern requirement (with at least a “C” grade in each course) to include:
   - 1. Two transferable college courses (3 term or 4-5 quarter credits each) in English composition: English 201A and English 201C; and
   - 2. One transferable college course (3 term or 4-5 quarter credits) in Mathematical Concepts and Quantitative Reasoning; and
   - 3. Four transferable college courses (3 term or 4-5 quarter credits each) chosen from at least two of the following subject areas: Arts and Humanities; Social and Behavior Sciences; or Physical and Biological Sciences. The Intersegmental General Education Transfer Curriculum (IGETC) will satisfy the above new requirements.

Students who did not satisfy the Subject Requirement based on their high school record must take transferable college courses in the subjects they are missing, earn a grade of “C” or better in each course, and earn an overall “C” (2.00) average in all transferable college course work.

Students who met the Subject and Scholarship Requirements from high school, but who did not meet the Examination Requirement (SAT/ACT), must complete a minimum of 12 term (18 quarter) credits of transferable work and earn an overall “C” (2.00) average in all transferable college course work. Students need not take the examinations required of freshmen.

The UC campuses are:

UC Berkeley
UC Santa Barbara
UC Davis
UC Santa Cruz
UC Irvine
UC San Francisco (graduate only)
UC Los Angeles
UC Modesto
UC Riverside
UC San Diego**

**Eleanor Roosevelt & Revelle do not accept IGETC.

Students are advised to contact a Cuesta counselor regarding changes to the UC admissions requirements, changes to the Intersegmental General Education Transfer Curriculum (IGETC) pattern, and changes to the “pass-along” policy.

Completion of all the requirements in the Intersegmental General Education Transfer Curriculum (IGETC) will permit a student to transfer from a community college to a campus in either the California State University or the University of California system without the need, after transfer, to take additional lower division, general education courses to satisfy campus general education requirements. The course requirements for all areas must be completed before IGETC can be certified. Applications for IGETC certification are available in the Admissions and Records Office. Official transcripts must be on file before applying for IGETC certification. UC transfers must complete all subject areas prior to transferring to the UC system.

IGETC is subject to change and it is the student's responsibility to check with Counseling Services and the Transfer/Career Center regarding the current status of IGETC. Cuesta College will “pass along” coursework from other accredited colleges excluding UCs. See Counseling Services for details. For updates to the IGETC list visit the ASSIST web site at http://www.assist.org.

All courses must be completed with grades of “C” or better.

1 Indicates courses that may be counted in one area only.
2 Indicates that transfer credit may be limited by either UC or CSU or both. Consult with a counselor for additional information.
3 Designates courses with a laboratory.
4 Designates course has a prerequisite.

AREA 1 – ENGLISH COMMUNICATION

For CSU, three (3) courses required, one (1) from each group below, three (3) term credits; for UC, two (2) courses required, one (1) from Group A and B.

Group A: English Composition
1 Course (4 term credits)
   English 201A English Composition (4)

Group B: Critical Thinking - English Composition
1 Course (3 term credits)
   English 201C Critical Thinking and Composition (3)

Group C: Oral Communication (CSU Requirement Only)
1 Course (3 term units)
   Speech 201A Public Address (3)

AREA 2 – MATHEMATICAL CONCEPTS AND QUANTITATIVE REASONING

1 course (3 term credits)

Math 232p College Algebra (3)
Math 236p Introduction to Applied Statistics (3)
Math 242p Precalculus Algebra (5)
Math 247p Introduction to Statistics (4)
Math 255p Calculus for Business & Management (3)
Math 265A College Algebra (5)
Math 265B Analytic Geometry & Calculus (5)
Math 283p Calculus (4)
Math 287p Linear Analysis (5)

1 Indicates courses that may be counted in one area only.
2 Indicates that transfer credit may be limited by either UC or CSU or both. Consult with a counselor for additional information.
3 Designates courses with a laboratory.
4 Designates course has a prerequisite.
**AREA 3 - ARTS AND HUMANITIES**

At least 3 courses, 1 course from Arts, 1 course from Humanities and the third course from either area (9 term credits).

**Arts**
- Art 200  Art Appreciation (3)
- Art 203  Survey of Art History: Old Stone Age through Gothic (3)
- Art 204  Survey of Art History: Renaissance through 19th Century (3)
- Art 205  Survey of Art History: 20th Century (3)
- Art 206  Survey of Art History: Non-Western Art (3)
- Dance 252  Dance History (3)
- Dance 253  Dance Culture (3)
- Drama 205  Introduction to Dramatic Literature (3)
- Drama 206  Theater Appreciation (3)
- Drama 207  Introduction to the Theatre (3)
- Drama 218  Main Styles in Film (3)
- Music 235  Music Appreciation: Classical Music (3)
- Music 237  Music Appreciation: American Popular Music (3)
- Music 238  Music Appreciation: Jazz History (3)

**Humanities**
- English 201  English Composition: Introduction to Literature (3)
- English 205  Introduction to Poetry (3)
- English 206  Introduction to the Novel (3)
- English 207  Introduction to the Short Story (3)
- English 212  American Literature (3)
- English 212  American Literature (3)
- English 213  Multicultural Voices in American (3)
- English 215  Shakespeare (3)
- English 216  Literature and Film (3)
- English 217  Literature by Women (3)
- English 244  European Literature (3)
- English 244  European Literature (3)
- English 246  European Literature (3)
- English 246  Survey of British Literature (3)
- English 246  Survey of British Literature (3)
- *History 203  History of World Civilization (3)
- *History 203  History of World Civilization (3)
- *History 204  History of Western Civilization (3)
- *History 204  History of Western Civilization (3)
- *History 207  History of United States (3)
- *History 207  History of United States (3)
- *History 208  History of Latin America (3)
- *History 208  History of Latin America (3)
- *History 210  History of California (3)
- *History 212  History of Mexican-American (3)
- *History 219  History of Far East (3)
- *History 233  Afro-American History (3)
- *History 235  History of African Civilization (3)
- *History 239  History of the Role of Women (3)

**AREA 4 - SOCIAL AND BEHAVIORAL SCIENCES**

At least three (3) courses from at least two (2) disciplines or an interdisciplinary sequence.

**Anthropology**
- Anthropology 201  Physical Anthropology (3)
- Anthropology 202  Archaeology (3)
- Anthropology 203  Cultural Anthropology (3)
- Anthropology 220  California Indians (3)
- Anthropology 221  North American Indians (3)
- Anthropology 225  Contemporary Cultures of the World (3)
- Early Child Edu 201  Child Growth and Development (3)
- Early Child Edu 202  Child, Family and Community (3)
- Economics 201  Principles of Economics (3)
- Economics 201  Principles of Economics (3)
- Economics 211  Global Economics (3)
- Family Studies 212  Human Development: Life Span (3)
- Family Studies 213  Ethnic Identity Development Across the Life Span (3)
- Geography 201  Physical Geography (3)
- Geography 202  Cultural Geography (3)
- *History 203  History of World Civilization (3)
- *History 203  History of World Civilization (3)
- *History 204  History of Western Civilization (3)
- *History 204  History of Western Civilization (3)
- *History 207  History of United States (3)
- *History 207  History of United States (3)
- *History 208  History of Latin America (3)
- *History 208  History of Latin America (3)
- *History 210  History of California (3)
- *History 212  History of Mexican-American (3)
- *History 219  History of Far East (3)
- *History 233  Afro-American History (3)
- *History 235  History of African Civilization (3)
- *History 239  History of the Role of Women (3)

**Political Sci 201**  Introduction to Political Science (3)
- Political Sci 202**  Government of United States (3)
- Political Sci 204**  World Politics (3)
- Political Sci 205  Law and Politics (3)
- Political Sci 206**  Comparative Government (3)
- Political Sci 209**  Introduction to Political Theory (3)
- Psychology 201A  Introductory Psychology (3)
- Psychology 206  Introduction to Social Psychology (3)
- Psychology 233  Personality and Adjustment (3)
- Sociology 201A  Introduction to Sociology (3)
- Sociology 201B  Social Institutions (3)
- Sociology 202  Social Problems (3)
- Sociology 205  Social Problems (3)
- Sociology 206  Minority Group Relations (3)
- Sociology 208  Introduction to Women's Studies (3)

* History courses cannot be double counted in area 3 and area 4.
** (Prior to Fall 2004 Government)

**AREA 5 - PHYSICAL AND BIOLOGICAL SCIENCES**

At least two (2) courses, one (1) Physical Science and one (1) Biological Science course; at least one (1) must include a laboratory (7-9 term credits).

**Physical Science**
- Astronomy 210  Astronomy (3)
- Astronomy 210  Astronomy Lab (3)
- Chemistry 201A  General College Chemistry (5)
Chemistry 201B\(^P\)  General College Chemistry (5)
Chemistry 210\(^P\)  Intro to Chemistry (4)
Chemistry 210FAL\(^P\)  Intro to Chemistry (FAL) (4)
Chemistry 211\(^P\)  Introductory Organic Chemistry (4)
Chemistry 212A\(^P\)  Organic Chemistry (5)
Chemistry 212B\(^P\)  Organic Chemistry (5)
Geology 210\(^P\)  Physical Geology (4)
Geology 211\(^P\)  Historical Geology (4)
Geology 212  Geologic Hazards, Man and Environment (1)
Geology 220  Geology of California (3)
Physical Sci 201A\(^P\)  Physics and Chemistry (3)
Physical Sci 201AL\(^P\)  Physical Science Lab (1)
Physical Sci 201B\(^P\)  Astronomy and Geology (3)
Physics 205A\(^P\)  General Physics (4)
Physics 205B\(^P\)  General Physics (4)
Physics 208A\(^P\)  Principles of Physics (5)
Physics 208B\(^P\)  Principles of Physics (5)
Physics 210\(^P\)  Introduction to Physics (3)

Oceanography
Oceanography 210  Oceanography (3)
Oceanography 210L  Oceanography Laboratory (1)

Psychology
Psychology 202  Introduction to Biological Psychology (3)

Biological Science
Biological Science

American Sign Lang 215B\(^P\)  American Sign Language II
French 201\(^P\)  Elementary French (4)
French 202\(^P\)  French (4)
German 201\(^P\)  Elementary German (4)
German 202\(^P\)  German (4)
Spanish 201\(^P\)  Elementary Spanish (4)
Spanish 202\(^P\)  Spanish (4)

NOTE: Additions to the IGETC list can be located on the ASSIST website at http://www.assist.org.

GRADUATION REQUIREMENT IN U.S. HISTORY,
CONSTITUTION AND AMERICAN IDEALS

Courses used to meet this requirement may not be used to satisfy requirements for IGETC, but may be completed prior to transfer.

Six (6) credits, one (1) course from #1 and one (1) course from #2.
1. History 207A or 207B
2. Political Science 202 (Prior to Fall 2004 Government 2)

LANGUAGE OTHER THAN ENGLISH
(UC REQUIREMENT ONLY)

Complete 2 years of the same foreign language of high school work with a grade of “C” or better or earn a score of 3 or higher on the Foreign Language Advanced Placement test, or 550 on the College Board Achievement Test in Foreign Language or complete a 2 course sequence from the courses below at Cuesta College. High school transcripts must be submitted to verify language proficiency.
COURSES

ACADEMIC SKILLS (ACASK)
AG TECHNOLOGY (AGTECH)
ANTHROPOLOGY (ANTH)
ARCHITECTURE (ARCH)
ART
ASTRONOMY (ASTR)
AUTOMOTIVE TECHNOLOGY (ATECH)
BIOLOGY (BIO)
BROADCAST COMMUNICATIONS (BCST)
BUSINESS (BUS)
CHEMISTRY (CHEM)
COMPUTER APPLICATIONS/OFFICE ADMINISTRATION (CAOA)
COMPUTER INFORMATION SYSTEMS (CIS)
CONSTRUCTION TECHNOLOGY (CTECH)
COUNSELING (COUNS)
CRIMINAL JUSTICE (CJ)
CULINARY ARTS (CULART)
DANCE
DRAMA (DRA)
EARLY CHILDHOOD EDUCATION (ECE)
ECONOMICS (ECON)
EDUCATIONAL SERVICES (EDSER)
 ELECTRONICS TECHNOLOGY (ELTECH)
EMERGENCY MEDICAL SERVICES (EMS)
EMERITUS COLLEGE (EMCOLL)
ENGINEERING (ENGR)
ENGLISH (ENGL)
ENGLISH AS A SECOND LANGUAGE (ESL)
FAMILY STUDIES (FAMST)
FASHION DESIGN AND MERCHANDISING (FDM)
FRANCH (FR)
GEOGRAPHY (GEOG)
GEOLOGY (GEOL)
GERMAN (GER)
HEALTH EDUCATION (HEED)
HISTORY (HIST)
HOSPITALITY (HOSP)
HUMANITIES (HUMAN)
INTERIOR DESIGN (INTDES)
JOURNALISM (JOUR)
LEADERSHIP (LEADER)
LEGAL
LIBRARY/INFORMATION TECHNOLOGY (LIBINF)
LICENSED VOCATIONAL NURSING (LVN)
MATHEMATICS (MATH)
MEDICAL ASSISTING (MEDAST)
MUSIC (MUS)
NURSING ASSISTANT (NRAST)
NURSING, REGISTERED ASSOCIATE DEGREE (NRAD)
NUTRITION (NUTR)
ONLINE
PARALEGAL (PARAL)
PHILOSOPHY (PHIL)
PHYSICAL EDUCATION ADAPTED (PEADPT)
PHYSICAL EDUCATION ACTIVITY (PEACT)
PHYSICAL EDUCATION ATHLETICS (PEACT)
PHYSICAL EDUCATION THEORY (PETHRY)
PHYSICAL SCIENCES (PHYSIC)
PHYSICS (PHYS)
POLITICAL SCIENCE (POLSCI)
PSYCHIATRIC TECHNICIAN (PSYTEC)
PSYCHOLOGY (PSYCH)
REAL ESTATE (RE)
SIGN LANGUAGE (SL)
SOCIOLOGY (SOC)
SPANISH (SPAN)
SPEECH (SPCH)
VOCATIONAL ESL (VESL)
WELDING (WELD)
WELLNESS (WELL)
WORK EXPERIENCE (WRKEXP)
ACADEMIC SKILLS

005 ACADEMIC SUPPORT LABORATORY (1.0 to 0.5)
(Formerly ACASK 5)
3.0 hours laboratory per week
Associate Degree Non-Applicable
Provides students with specialized programs designed to improve basic skills in reading, spelling, grammar, vocabulary, mathematics, study skills, and English as a Second Language. Students work independently and at their own pace using computers, audio-tutorial tapes, and supplemental materials. Laboratory time is arranged with the instructor.

110 TEST PREPARATION: OCCUPATIONAL (1.0)
(Formerly ACASK 10)
6.0 hours lecture per week
Associate Degree Applicable
Prepares prospective employees to successfully take the necessary placement test or qualifying examination to apply for employment in a variety of occupations, such as the psychiatric technician placement test and the civil service examination. The specific content, skills, knowledge, and the most appropriate test-taking approaches will be included to build confidence, and reduce uncertainty, confusion, and test anxiety. The goal is to maximize each individual's potential to achieve the highest possible score on the placement test or qualifying examination.

115 ADJUNCT STUDY SKILLS (0.5)
(Formerly ACASK 15)
1.5 hours laboratory per week
Associate Degree Applicable
Learn, practice, and apply time management, textbook reading, critical thinking, note taking, and test taking skills to specific content courses through combining small group collaborative instruction and individualized lab modules covering study skills appropriate to various content courses.

217 SUPPLEMENTAL INSTRUCTION (1.0 to 0.5)
(Formerly ACASK 17)
3.0 hours laboratory per week
Associate Degree Applicable
Co-requisite: Enrollment in the targeted discipline course.
Integrate "how to learn" while focusing on "what to learn" in the target-ed, historically high-risk, discipline courses. Students meet weekly with a Supplemental Instruction Leader for structured study: applying appropriate academic study skills, reviewing, preparing for exams, sharpening critical thinking, comparing notes, and clarifying lecture/text concepts. Regular attendance and participation are required.
Transfer: CSU.

120 LEARNING ESSENTIALS FOR COLLEGE SURVIVAL (1.5)
(Formerly ACASK 20)
3.0 hours lecture per week
Associate Degree Applicable
Presents essential study methods that promote college success. Including, but not limited to; managing and maximizing learning and study time; critical thinking; levels of comprehension; understanding textbooks and other written material; active listening and note-taking strategies; test preparation; synthesizing and reviewing course content; test taking strategies; and campus resources.

225 COLLEGE SUCCESS (3.0)
(Formerly ACASK 25)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 156.
A comprehensive course that integrates personal growth and values, academic study strategies, and critical and creative thinking proficiency. This survey course focuses on life management, learning styles, personal and educational values, time management, instructor-student relations, maintaining health, memory and concentration, lecture note-taking, textbook studying, subject-specific studying, test taking, using the library, critical analysis, problem solving, and creative thinking. Emphasis is on the attainment of life-long success in academic, professional and personal development.
Transfer: CSU; UC (For UC maximum credit of one course between ACSK 225 and PETH 10).

227 TEST AND PERFORMANCE ANXIETY (1.5)
(Formerly ACASK 27)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: ENGL 156.
Examines the relationship between the physiological, psychological, and emotional responses to test and performance anxiety. Course investigates the theories of stress and anxiety and offers guided practice in the cognitive, meditative, and biofeedback-aided techniques to manage anxiety while taking a test, succeeding in math, giving a speech, and/or competing in a sports event.
Transfer: CSU.

030A INTRO PHONETIC FOUNDATIONS FOR READING AND SPELLING (3.5)
(Formerly ACASK 30A)
4.5 hours per week: (3.0 hours lecture, 1.5 hours laboratory)
Associate Degree Non-Applicable
Develops an awareness of sound identity and sequence in words. Promotes the ability to use single-syllable word attack generalizations and introduces multi-syllable concepts. Features multi-sensory and discovery learning. Designed for students with learning disabilities.

030B ADVANCED PHONETIC FOUNDATIONS FOR READING AND SPELLING (3.5)
(Formerly ACASK 30B)
4.5 hours per week: (3.0 hours lecture, 1.5 hours laboratory)
Associate Degree Non-Applicable
Continues to develop phonemic awareness and self-correction skills. Teaches multi-syllable word attack generalizations, prefixes, suffixes, and strategies for visual memory and proofreading. Continues to use multi-sensory and discovery learning.

032 READING COMPREHENSION (2.0 to 1.0)
(Formerly ACASK 32)
2.0 hours lecture per week
Associate Degree Non-Applicable
Designed for students who have difficulty understanding and remembering what they read. Includes progressive instruction in sentence, paragraph, essay, and textbook chapter comprehension. An appointment with a Disabled Student Programs and Services faculty member prior to enrollment is strongly advised.

034 BUILDING READING ESSENTIALS (3.0)
(Formerly ACASK 34)
3.0 hours lecture per week
Associate Degree Non-Applicable
Promotes review, improvement, and development of the basic reading skills needed to be prepared for ACSK 036: Reading Essentials. This preparation includes the skills fundamental to effective reading and clear thinking by increasing vocabulary through word attack skills, by analyzing the structure of written material through identifying stated and implied main ideas, by discerning the relationships of supporting details, and by valid inferences. Active reading strategies are stressed for optimal comprehension.
36  READING ESSENTIALS  (3.0)  
(Formerly ACASK 36)  
3.0 hours lecture per week  
Associate Degree Non-Applicable  
Advisory: ACAS 034 or qualified score on the Cuesta College Assessment Test.  
Promotes understanding and retention of textbook information. Explores myths and misconceptions of the reading process and facilitates increased reading efficiency. Promotes interpretive and application skills of comprehension and develops vocabulary through the integration of content area materials.

247  INDEPENDENT STUDIES: ACADEMIC SKILLS  (2.0 to 0.5)  
(Formerly ACASK 47)  
6.0 hours laboratory per week  
Associate Degree Applicable  
Prerequisite: The student must have completed preparatory course work in the field in which the study is to be undertaken.  
Advisory: Eligibility for ENGL 156.  
Provides an opportunity for an in-depth study or a practicum experience by an individual student in a selected topic of tutor training or disability research.  
Transfer: CSU.

050  WRITING FUNDAMENTALS  (3.0)  
(Formerly ACASK 50)  
3.0 hours lecture per week  
Associate Degree Non-Applicable  
Advisory: For speakers of languages other than English, completion of the English as a Second Language (ESL) sequence is highly recommended.  
Focuses on the grammar, punctuation, sentence writing, and paragraph writing skills students need to succeed in basic English courses. Provides intensive practice, multi-sensory instruction, and individualized assistance to promote the written language development of students with diverse needs and backgrounds, including students with learning disabilities and speakers of other languages. Offered as a prerequisite to the basic English writing course for students who do not receive a qualifying score on the Assessment test or equivalent.

055  SPELLING ESSENTIALS  (3.0)  
(Formerly ACASK 55)  
3.0 hours lecture per week  
Associate Degree Non-Applicable  
Introduces techniques for improving spelling competence with emphasis on understanding and analyzing spelling errors.

058  GRAMMAR ESSENTIALS  (2.0)  
(Formerly ACASK 58)  
2.0 hours lecture per week  
Associate Degree Non-Applicable  
Focuses on the basic grammar, punctuation, and usage skills essential for effective writing. Provides extensive practice to apply and reinforce written language skills with an emphasis on identifying and correcting common sentence errors.

075  ARITHMETIC FUNDAMENTALS  (4.0)  
(Formerly ACASK 75)  
4.0 hours lecture per week  
Associate Degree Non-Applicable  
Provides a basic arithmetic and math study skills course for students who have a history of difficulties in mathematics. This course uses alternative and active approaches for learning the concepts and skills of place value, basic operations, fractions, decimals, percentages, word problems, learning styles, and math study strategies.

193  ACADEMIC SKILLS SPECIAL TOPIC  (4.0 to 0.5)  
(Formerly ACASK 93)  
Associate Degree Applicable  
Advisory: Ability to type 15 words per minute.  
Examines a special topic in the field of study related to the discipline offering this course.

099  NON-CREDIT SUPERVISED TUTORING  (0.0)  
(Formerly ACASK 99)  
4.0 hours laboratory per week  
Prerequisite: Enrollment in a Cuesta College credit course and referral by a counselor and/or instructor.  
Provides non-credit basic skills and all other content area courses supervised tutoring for students one-to-one and in small groups. Includes assessment of study skills, exam reviews and study sessions.

001  COMPUTER ACCESS EVALUATION  (0.5)  
(Formerly ACASK 101)  
0.5 hours lecture per week  
Associate Degree Non-Applicable  
Provides a diagnostic evaluation to determine whether the student possesses the necessary skills to benefit from participation in the Assistive Technology Center for the Disabled. Evaluation areas include cognitive processing abilities, keyboard access, general mobility and seating, educational or vocational goals.

004  ADAPTED STUDIES: LECTURE  (2.0 to 1.0)  
(Formerly ACASK 104)  
2.0 hours lecture per week  
Associate Degree Non-Applicable  
Presents curricula and instruction, not available in other courses in a lecture format, to meet identified special learning needs of disabled students. May include advanced training in comprehension, phonetics, computer-assisted instruction, or other specialized topics. An appointment with a Disabled Student Programs and Services faculty member prior to enrollment is strongly advised.

007  ADAPTED STUDIES: LABORATORY  (1.0 to 0.5)  
(Formerly ACASK 107)  
3.0 hours laboratory per week  
Associate Degree Non-Applicable  
Presents individualized curricula and instruction to meet identified special learning needs of disabled students. May include computer assisted instruction, audio-tutorial programs, individual assignments, or tutoring in specialized topics. An appointment with a Disabled Student Programs and Services faculty member prior to enrollment is strongly advised.

010  KEYBOARDING FOR COMPUTER ACCESS  (1.0 to 0.5)  
(Formerly ACASK 110)  
3.0 hours laboratory per week  
Associate Degree Non-Applicable  
Provides keyboarding basics to students with disabilities. Incorporates adaptive technologies into the context of computer tutorials.

013  COMPUTER ACCESS: ADAPTED WORD PROCESSING  (1.0)  
(Formerly ACASK 113)  
3.0 hours per week: (1.5 hours lecture, 1.5 hours laboratory)  
Associate Degree Non-Applicable  
Advisory: Ability to type 15 words per minute.  
Provides a 9-week basic word processing course. Emphasizes adaptive technology hardware and software (speech synthesizers, screen enlargers, spell-checkers, keyboard alternatives) and beginning word processing skills (editing, saving, printing, formatting, file management). Designed for students with verified disabilities.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>019</td>
<td>INTRODUCTION TO COMPUTERS USING ASSISTIVE TECHNOLOGY</td>
<td>(3.0)</td>
<td>An introduction to computers designed for students with disabilities. Discusses the history of the personal computer as well as how it relates to students with disabilities. Students will also learn about the components that make up a personal computer and relevant information which will enable them to create an ideal computer system for themselves.</td>
</tr>
<tr>
<td>022</td>
<td>INTRODUCTION TO THE INTERNET USING ASSISTIVE TECHNOLOGY</td>
<td>(3.0)</td>
<td>An introduction to the Internet designed for students with disabilities. Discusses the Internet as well as how it relates to students with disabilities. Students will also learn about the components that make up the Internet and relevant information, which will allow them to search on the Internet with the latest search engines. New technologies affecting the Internet will also be discussed and used in context to the educational setting.</td>
</tr>
<tr>
<td>025</td>
<td>COMPUTER ACCESS: ADAPTED WORD PROCESSING I</td>
<td>(2.0)</td>
<td>Continues ACSK 025. Enhances the student's skills through the completion of assignments or projects.</td>
</tr>
<tr>
<td>028</td>
<td>COMPUTER ACCESS: WORD PROCESSING II</td>
<td>(1.0 to 0.5)</td>
<td>Introduces the use of microcomputer access technologies for students with physical or learning disabilities within the context of word processing.</td>
</tr>
<tr>
<td>031</td>
<td>COMPUTER ACCESS: APPLICATIONS</td>
<td>(2.0)</td>
<td>Presents the use of computer access technologies for students with physical and/or learning disabilities within the context of word processing, database, and spreadsheet programs. Designed for students with verified disabilities.</td>
</tr>
<tr>
<td>040</td>
<td>DIAGNOSTIC TESTING FOR LEARNING DISABILITY</td>
<td>(0.5)</td>
<td>Assesses eligibility for Disabled Student Programs and Services according to California Community College Title V regulations. Develops an Individual Educational Plan (IEP). Provides placement recommendations, support, and counseling. An appointment with a Disabled Student Programs and Services faculty member prior to enrollment is strongly advised.</td>
</tr>
<tr>
<td>047</td>
<td>INDEPENDENT STUDIES: ACADEMIC SKILLS</td>
<td>(2.0 to 0.5)</td>
<td>Provides an opportunity for an in-depth study or a practicum experience by an individual student in a selected topic of learning skills under the direction of an instructor. An appointment with a Disabled Student Programs and Services faculty member is strongly advised.</td>
</tr>
<tr>
<td>168</td>
<td>TUTOR TRAINING: SELECTED TOPICS</td>
<td>(1.0 to 0.5)</td>
<td>Provides specialized information and guided practice in designated topics or projects. Tutors gain expertise within subject area not offered in other tutor training courses. An appointment with the Tutorial Services Coordinator prior to enrollment is strongly advised.</td>
</tr>
<tr>
<td>200</td>
<td>ADAPTED AQUATICS</td>
<td>(1.0)</td>
<td>Provides an individualized aquatic exercise program for students with disabilities. Improves flexibility, strength, and endurance using the water as a source of buoyancy and resistance. An appointment with a Disabled Student Programs and Services faculty member prior to enrollment is strongly advised.</td>
</tr>
<tr>
<td>205</td>
<td>ADAPTED FITNESS: WEIGHT TRAINING</td>
<td>(1.0 to 0.5)</td>
<td>Provides an individualized fitness program for students with disabilities using resistive exercises and equipment. An appointment with a Disabled Student Programs and Services faculty member prior to enrollment is strongly advised.</td>
</tr>
<tr>
<td>105</td>
<td>VINEYARD PRUNING</td>
<td>(0.5)</td>
<td>Presents theory and field practice of pruning head, cane, and cordon vines. Includes training of young and mature vines.</td>
</tr>
<tr>
<td>110</td>
<td>PROPAGATION TECHNIQUES</td>
<td>(0.5)</td>
<td>Examines pros and cons of various propagation techniques used in vineyards. Covers care of vines following budding.</td>
</tr>
<tr>
<td>115</td>
<td>VINEYARD IRRIGATION AND FERTILIZATION</td>
<td>(1.0)</td>
<td>Studies rootstocks and phylloxera concerns, water and nutrition needs, water application techniques, irrigation and fertilizer injection systems.</td>
</tr>
</tbody>
</table>
120 VINEYARD CANOPY MANAGEMENT (1.0)  
(Formerly AGTECH 20)  
9.0 hours lecture per week  
Associate Degree Applicable  
Studies the latest techniques in developing trellis systems to improve both grape and wine quality.

130 BASIC VITICULTURE (1.0)  
(Formerly AGTECH 30)  
3.0 hours lecture per week  
Associate Degree Applicable  
Basic principles of plant growth, physiology, and anatomy as they pertain to grapevines. Fundamentals of irrigation, fertilization, and pest management will be discussed.

135 PEST CONTROL MANAGEMENT UPDATE (0.5)  
(Formerly AGTECH 35)  
9.0 hours lecture per week  
Associate Degree Applicable  
Provides lectures in entomology and related subjects in pest control management. Also provides update training for persons with a pest control license.

140 SOIL FERTILITY AND QUALITY IN CENTRAL COAST VITICULTURE (0.5)  
(Formerly AGTECH 40)  
9.0 hours lecture per week  
Associate Degree Applicable  
Presents basic soil science and soil quality issues needed in growing wine grapes in the Central Coast wine growing region. The focus is on soil textures, soil fertility, soil quality and estimating the available water holding capacities. Soil profiles and other essential soil properties will be investigated by using backhoe pits.

147 INDEPENDENT STUDIES: AGRICULTURE (4.0 to 0.5)  
Associate Degree Applicable  
Prerequisite: The student must have completed preparatory course work in the field in which the study is to be undertaken.  
Provides an opportunity for an in-depth study or practicum experience by an individual student in a selected topic of agriculture under direction of an instructor.

193 AGRICULTURE TECHNOLOGY SPECIAL TOPIC (4.0 to 0.5)  
(Formerly AGTECH 93)  
Associate Degree Applicable  
Prerequisite: The student must have completed preparatory course work in the field in which the study is to be undertaken.  
Provides an opportunity for an in-depth study or practicum experience by an individual student in a selected topic of agriculture under direction of an instructor.

193A SOIL FERTILITY AND QUALITY IN CENTRAL COAST VITICULTURE (0.5)  
(Formerly AGTECH 93A)  
4.5 hours lecture per week  
Associate Degree Applicable  
Prerequisite: The student must have completed preparatory course work in the field in which the study is to be undertaken.  
Provides an opportunity for an in-depth study or practicum experience by an individual student in a selected topic of agriculture under direction of an instructor.

195 TECHNICAL CAREER PREPARATION IN AGRICULTURE (1.0)  
(Formerly AGTECH 95)  
1.0 hours lecture per week  
Associate Degree Applicable  
Overview of agricultural careers with focus on preparing for the job market. Includes discussion of career opportunities in agriculture, both union and non-union. Focus on providing the tools necessary to target and obtain a position in the agriculture industry.

AMERICAN SIGN LANGUAGE

215A BEGINNING AMERICAN SIGN LANGUAGE (3.0)  
(Formerly ASL 15A)  
3.0 hours lecture per week  
Associate Degree Applicable  
Introduces expressive and receptive skills used in American Sign Language (ASL) through vocabulary development, grammar, non-manual behaviors, and finger spelling. Provides exposure to Deaf Culture by reviewing the history of ASL, dynamics of the Deaf Community, varieties of manual communication, Deaf President Now protest, and cultural customs of communication.  
Transfer: CSU; UC.

215B AMERICAN SIGN LANGUAGE II (3.0)  
(Formerly ASL 15B)  
3.0 hours lecture per week  
Associate Degree Applicable  
Prerequisite: ASL 215A with a grade of C or better  
Presents a continuation of ASL 215A with a functional-notional approach to language acquisition; expands expressive and receptive skills through vocabulary development, grammar, non-manual behaviors and finger-spelling. Continues exposure to Deaf Culture through awareness of cross-cultural communications; history of the Deaf in America and customs of the Deaf community.  
Transfer: CSU; UC.

215C AMERICAN SIGN LANGUAGE III (3.0)  
(Formerly ASL 15C)  
3.0 hours lecture per week  
Associate Degree Applicable  
Prerequisite: ASL 215B with a grade of C or better or equivalent  
Continues skills presented in ASL 215B. Emphasizes fluency in communicating with the deaf as practiced in a variety of situational contexts. Explores creative uses of American Sign Language.  
Transfer: CSU; UC.

215D AMERICAN SIGN LANGUAGE IV (3.0)  
(Formerly ASL 15D)  
3.0 hours lecture per week  
Associate Degree Applicable  
Prerequisite: ASL 215C with a grade of C or better or the equivalent  
Presents a functional-notional approach to language acquisition, emphasizing an increased fluency in expressive and receptive skills through vocabulary development, grammar, non-manual behaviors, finger-spelling, and contact with the Deaf Community. Story-telling skills, creative uses of ASL, exposure to Deaf Culture through awareness of cross-cultural communications; knowledge of the history of the Deaf in America and customs of the Deaf community are expanded.  
Transfer: CSU.

247 INDEPENDENT STUDIES: AMERICAN SIGN LANGUAGE (2.0 to 0.5)  
(Formerly ASL 47)  
6.0 hours laboratory per week  
Associate Degree Applicable  
Prerequisite: The student must have completed preparatory course work in the field in which the study is to be undertaken.  
Provides an opportunity for an in-depth study or practicum experience by an individual student in a selected topic of American Sign Language under the direction of an instructor.  
Transfer: CSU.

193A ASL DAILY CONVERSATION (2.0)  
(Formerly ASL 93A)  
2.0 hours lecture per week  
Associate Degree Applicable  
Presents a functional-notional approach to language acquisition, emphasizing an increased fluency in expressive and receptive skills through vocabulary development, grammar, non-manual behaviors, and finger-spelling. Provides exposure to Deaf Culture by reviewing the history of ASL, dynamics of the Deaf Community, varieties of manual communication, Deaf President Now protest, and cultural customs of communication.  
Transfer: CSU; UC.
**ANTHROPOLOGY**

201 **PHYSICAL ANTHROPOLOGY** (3.0)
(Formerly ANTH 1)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: ENGL 156.
Presented an introduction to, a history of, evolutionary theory, its application to human evolution, humans’ relationship to primates, and the significance of racial differences.
Transfer: CSU; UC.

201L **PHYSICAL ANTHROPOLOGY LABORATORY** (1.0)
(Formerly ANTH 1L)
3.0 hours laboratory per week
Associate Degree Applicable
Co-requisite: ANTH 201
Utilizes the hands-on laboratory approach in studying primatology, osteology, dentition, genetics and human variation. Both fossil and contemporary will be studied.
Transfer: CSU; UC.

202 **ARCHAEOLOGY** (3.0)
(Formerly ANTH 2)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: ENGL 156.
Present an introduction to archaeological theory and concepts, as well as an overview of both New and Old World archaeology.
Transfer: CSU; UC.

203 **CULTURAL ANTHROPOLOGY** (3.0)
(Formerly ANTH 3)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: ENGL 156.
Present an introduction to the concepts of cultural anthropology, different perspectives for the study of culture and their application. Primitive cultures are studied both as they existed before contact with Western civilization and as they are today.
Transfer: CSU; UC.

220 **CALIFORNIA INDANS** (3.0)
(Formerly ANTH 20)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: ENGL 156.
Present a history of the California Indians, including their prehistory, the Indians at the time of European contact, the Spanish period, the early Anglo-American period, and the Indians today.
Transfer: CSU; UC.

221 **NORTH AMERICAN INDIANS** (3.0)
(Formerly ANTH 21)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: ENGL 156.
Studies the North American Indians, including their lifestyle at the time of contact, their reactions to European contact, and the Indians at present.
Transfer: CSU; UC.

225 **CONTEMPORARY CULTURES OF THE WORLD** (3.0)
(Formerly ANTH 25)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: ENGL 156.
Studies the ways of life of people in different regions of the world, including Latin America, Middle East, East Asia, and Africa. Beliefs, values, and other social characteristics such as family, economics, and religion will be studied.
Transfer: CSU; UC.

247 **INDEPENDENT STUDIES: ANTHROPOLOGY** (2.0 to 0.5)
(Formerly ANTH 47)
6.0 hours laboratory per week
Associate Degree Applicable
Prerequisite: The student must have completed preparatory course work in the field in which the study is to be undertaken.
Provides an opportunity for an in-depth study or a practicum experience by an individual student in a selected topic of anthropology under the direction of an instructor.
Transfer: CSU.

**ARCHITECTURE**

247 **INDEPENDENT STUDIES: ARCHITECTURE** (2.0 to 0.5)
(Formerly ARCH 47)
Associate Degree Applicable
Prerequisite: The student must have completed preparatory course work in the field in which the study is to be undertaken.
Provides an opportunity for an in-depth study or a practicum experience by an individual student in a selected topic of architecture under direction of an instructor.
Transfer: CSU.

193 **ARCHITECTURE SPECIAL TOPIC** (4.0 to 0.5)
(Formerly ARCH 93)
Associate Degree Applicable
Examines a special topic in the field of study related to the discipline offering this course.

195 **TECHNICAL CAREER PREPARATION IN ARCHITECTURE** (1.0)
(Formerly ARCH 95)
1.0 hours lecture per week
Associate Degree Applicable
Overview of architectural careers with focus on preparing for the job market. Includes discussion of career opportunities in architecture, both union and non-union. Focus on providing the tools necessary to target and obtain a position in the architectural industry.

201 **INTRODUCTION TO ARCHITECTURE AND ENVIRONMENTAL DESIGN** (2.0)
(Formerly ARCH 101)
2.0 hours lecture per week
Associate Degree Applicable
Advisory: ENGL 156.
Introduces a critical framework for regarding buildings as works of architecture. Explores the nature of the architectural profession and how it relates to other environmental design fields, such as city and regional planning, urban design, and landscape architecture. Examines how building and environmental design professions are responding to the profound challenges of living sustainability in the 21st century. This course is intended for the student intending to transfer to a university major in architecture or a related environmental design discipline.
Transfer: CSU; UC.

232 **ARCHITECTURAL DESIGN & PRESENTATION COMPUTER GRAPHICS** (3.0)
(Formerly ARCH 110)
5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: CIS 210 or equivalent.
Advisory: ARCH 221.

Introduces computer design and presentation skills for architecture students including image editing, page layout, and 3D modeling.

Transfer: CSU.

221 DESIGN AND VISUAL COMMUNICATION I (4.0)
(Formerly ARCH 111)
8.0 hours per week: (2.0 hours lecture, 6.0 hours laboratory)
Associate Degree Applicable

 Presents principles, concepts, methods and skills pertaining to freehand and drafted drawings employing orthographic, axonometric, oblique and lineal perspective drawing systems to represent ideas, objects and environments. Includes principles and concepts of two- and three-dimensional visual design. Covers basic color theory principles, concepts and application; basic physical model building concepts and skills; shadow casting principles, conventions and techniques for orthographic, axonometric, oblique and perspective drawing systems.

Transfer: CSU; UC (For UC, maximum credit of 18 units total between ARCH 201, 213, 221, 222, 251 and 252).

222 DESIGN AND VISUAL COMMUNICATION II (4.0)
(Formerly ARCH 112)
8.0 hours per week: (2.0 hours lecture, 6.0 hours laboratory)
Associate Degree Applicable

 Prerequisite: ARCH 221

 Continuation and extension of the content and issues introduced in ARCH 221, plus the principles, concepts, methods and skills pertaining to the freehand, drafted and digital visualization and communication of quantitative and qualitative information to support analysis and conceptualization.

Transfer: CSU; UC (For UC, maximum credit of 18 units total between ARCH 201, 213, 221, 222, 251 and 252).

213 ARCHITECTURAL PORTFOLIO PRESENTATION (2.0)
(Formerly ARCH 113)
4.0 hours per week: (1.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable

Prerequisite: ARCH 222

Advisory: Concurrent enrollment in ARCH 252.

Prepares students with skills and resources needed to present work in a consistent and unified portfolio for job procurement and transfer credit. This studio based design course focuses on the development of a professional architectural portfolio representing student architectural design, model making and visual communication skills.

Transfer: CSU; UC (For UC, maximum credit of 18 units total between ARCH 201, 213, 221, 222, 251 and 252).

205 ARCHITECTURAL MODEL MAKING (2.0)
(Formerly ARCH 115)
4.0 hours per week: (1.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable

Prerequisite: ARCH 221 and CTCH 250

Advisory: Completion of or concurrent enrollment in ARCH 222, ARCH 242, or high school drafting.

Introduces basic concepts and creation of 3D scaled material architectural models for visual representation and communication of architectural design.

Transfer: CSU.

244 ARCHITECTURAL ENVIRONMENT CONTROL SYSTEMS (3.0)
(Formerly ARCH 207)
5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable

Prerequisite: PHYS 205B

Advisory: Completion of or concurrent enrollment in ARCH 252.

Introduces the theory and application of climate, energy use and comfort as determinates of architectural form. Includes architectural methods of ventilating, cooling, heating, and lighting for envelope-load dominated buildings. Acceptable for credit, CSU, (credit based on portfolio review).

Transfer: CSU.

245 GREEN BUILDING DESIGN WITH LEED TRAINING (1.0)
(Formerly ARCH 220)
1.0 hours lecture per week

Associate Degree Applicable

Prerequisite: ARCH 244, ARCH 242, CTCH 250, or comparable professional experience

Introduces Green Building Design and prepares architecture students and design and construction professionals for LEED accreditation with an introduction to the U.S. Green Building Council LEED Rating System, green building design fundamentals, and industry resources, processes and strategies for green design.

Transfer: CSU.

230 ARCHITECTURAL COMPUTER AIDED DRAFTING AND DESIGN (3.0)
(Formerly ARCH 230)
5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)

Associate Degree Applicable

Prerequisite: ARCH 221 and Completion of or concurrent enrollment in ARCH 231

A continuation of theories, principles, methods and means of creative problem solving, two- and three-dimensional visual organizations to communicate concepts and meanings, basic verbal and visual communication skills, analysis of the built environment with emphasis on the creation and interrelationship of architectural form, function and light.

Transfer: CSU.

231 INTRODUCTION TO ARCHITECTURAL PRACTICE (3.0)
(Formerly ARCH 231)
5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)

Associate Degree Applicable

Prerequisite: ARCH 221 and Completion of or concurrent enrollment in ARCH 230.

Introduces the concepts and methods associated with the use and application of construction systems, processes and materials. Emphasis is placed on the standards and conventions used to detail and document light framed construction.

Transfer: CSU.

251 ARCHITECTURAL DESIGN FUNDAMENTALS I (5.0)
(Formerly ARCH 251)
9.0 hours per week: (3.0 hours lecture, 6.0 hours laboratory)

Associate Degree Applicable

Prerequisite: ARCH 222

Introduces the theory and application of climate, energy use and comfort as determinates of architectural form. Includes architectural methods of ventilating, cooling, heating, and lighting for envelope-load dominated buildings. Acceptable for credit, CSU, (credit based on portfolio review).

Transfer: CSU.

252 ARCHITECTURAL DESIGN FUNDAMENTALS II (5.0)
(Formerly ARCH 252)
9.0 hours per week: (3.0 hours lecture, 6.0 hours laboratory)

Associate Degree Applicable

Prerequisite: ARCH 251

Continuation of theories, principles, methods and means of creative problem solving, two- and three-dimensional visual organizations to communicate concepts and meanings, basic verbal and visual communication skills, analysis of the built environment with emphasis on the creation and
interrelationship of architectural form, function, structure and context.

Transfer: CSU; UC (For UC, maximum credit of 18 units total between ARCH 201, 213, 221, 222, 251 and 252).

254  ADVANCED ARCHITECTURAL GRAPHIC COMMUNICATION  (2.0)
(Formerly ARCH 254)
4.0 hours per week: (1.0 hour lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: ARCH 221 and ARCH 222
Advisory: ARCH 251.

Presents advanced architectural presentation drawing and graphic communication skills with emphasis on representing quantitative and qualitative information, ideas, and concepts with freehand sketching and drafting techniques. Includes abstract diagramming, the use of color and the design of two-dimensional graphic communications with direct application in a community design charrette.

Transfer: CSU.

205  SURVEY OF ART HISTORY: MODERNISM AND POST-MODERNISM  (3.0)
(Formerly ART 105)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 201A.

Presents an overview of the art movements, artists and issues of Modernism and Post-Modernism. This includes art from the mid-nineteenth century, through the twentieth century and contemporary art. Includes the social, political, and aesthetic context of the time.

Transfer: CSU; UC.

193  ART SPECIAL TOPIC  (4.0 to 0.5)
(Formerly ART 93)
Associate Degree Applicable

Examines a special topic in the field of study related to the discipline offering this course.

193L  ALTERNATIVE PHOTOGRAPHIC PROCESSES  (3.0)
(Formerly ART 93L)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable

193M  PHOTOGRAPHIC LIGHTING  (3.0)
(Formerly ART 93M)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable

200  ART APPRECIATION  (3.0)
(Formerly ART 100)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 156.

Introduces the form, content, and media of the visual arts. Overview of artistic methods, materials, and language, exploring cultural and historical significance. Presents major art movements and styles including prehistoric to contemporary.

Transfer: CSU; UC.

206  SURVEY OF ART HISTORY: NON-WESTERN ART  (3.0)
(Formerly ART 106)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 201A.

Surveys the art traditions of African, Asian, Native American, Pre-Columbian, and other non-Western cultures as expressions of their religions and philosophies. Compares non-Western to Western art to reveal cross-cultural influences and explains the diversity of 20th century art.

Transfer: CSU; UC.

219  ART ISSUES SEMINAR  (1.0)
(Formerly ART 119)
1.0 hour lecture per week
Associate Degree Applicable
Advisory: ENGL 156.

Presents lectures and discussions concerning a specific topic in contemporary or historical art issues or theory. Provides the opportunity for an in-depth study and analysis of individual artists, art works, movements and contemporary trends in art making and criticism.

Transfer: CSU.

220  FUNDAMENTALS OF 2-D DESIGN  (3.0)
(Formerly ART 120)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable

Introduces the basic design elements and principles common to all visual art forms. Provides studio experience in the practical application of design and color theory through creative assignments.

Transfer: CSU; UC.

221  BEGINNING DRAWING  (3.0 to 2.0)
(Formerly ART 121)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable

Presents the first of a three-semester course in the history of Western art. Includes cultural and historical background of the Renaissance, Baroque, Rococo, Neo-Classic, Romantic, Realist, Impressionist, and Post-Impressionist periods of art.

Transfer: CSU; UC.

222  INTERMEDIATE DRAWING  (3.0 to 2.0)
(Formerly ART 122)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Prerequisite: ART 221

Continues ART 221 with an emphasis on composition and content.

Transfer: CSU; UC.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Description</th>
<th>Prerequisite</th>
<th>Associate Degree Applicable</th>
<th>Transfer: CSU; UC.</th>
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</thead>
<tbody>
<tr>
<td>233</td>
<td>INTERMEDIATE WATERCOLOR PAINTING</td>
<td>(3.0 to 2.0)</td>
<td>Explores the fundamental techniques and creative use of aqueous media in painting on paper.</td>
<td>ART 220 and ART 221</td>
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<tr>
<td>234</td>
<td>FIGURE PAINTING</td>
<td>(3.0 to 2.0)</td>
<td>Introduces the fundamentals of painting from the human figure, the creative use of various painting media, and the figure in context.</td>
<td>ART 223 and ART 230</td>
<td></td>
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<tr>
<td>240</td>
<td>INTRODUCTION TO PRINT MEDIA</td>
<td>(3.0 to 2.0)</td>
<td>Introduces a variety of print media including traditional historical printmaking practices as well as the designing of images appropriate to these techniques.</td>
<td>ART 220</td>
<td></td>
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<tr>
<td>241</td>
<td>ETCHING</td>
<td>(3.0)</td>
<td>Offers instruction and studio practice in etching and related intaglio printmaking techniques as well as the designing of images appropriate to these techniques.</td>
<td>ART 221</td>
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<td>243</td>
<td>BOOK ARTS</td>
<td>(3.0 to 2.0)</td>
<td>Presents an investigation of the book form as a vehicle of creative expression. Explores the book structure through the history, concepts and the creative application of this unique art object, in which the content is not limited to words alone.</td>
<td>ART 220</td>
<td></td>
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<tr>
<td>244</td>
<td>PHOTOGRAPHY</td>
<td>(3.0 to 2.0)</td>
<td>Introduces black and white still photography as a fine art in an historical and contemporary context. Presents traditional darkroom practices through projects that introduce the elements and principles of design. Emphasizes use and care of 35mm cameras, related photography equipment, black and white film processing and photographic enlargements. NOTE: A 35mm camera is required for class.</td>
<td>ENGL 156</td>
<td></td>
<td></td>
</tr>
<tr>
<td>245</td>
<td>INTERMEDIATE PHOTOGRAPHY</td>
<td>(3.0 to 2.0)</td>
<td>Continues study of photography as a fine art as introduced in ART 244. Presents intermediate level concepts and darkroom techniques in black and white still photography. The development of photography as a means of personal expression, the infusion of content, and composition will be stressed.</td>
<td>ART 224</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
246 CAMERA ART (2.0)
(Formerly ART 146)
4.0 hours per week: (1.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Explores photography as an art form including cross-media hybrids such as painting with light, hand-coloring and drawing on photographic images, use of liquid light, combining images and words, and conventional photography.
Transfer: CSU.

247 DIGITAL VIDEO EDITING (3.0)
(Formerly ART 147)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Presents an overview of digital nonlinear video editing, including acquiring digital video and combining and editing source material to create complete digital movies. Topics include: basic editing techniques, cuts and transitions, adding and altering audio, titling, keying and transparency, and applying filters and effects.
Transfer: CSU; UC.

248 DIGITAL VIDEO EFFECTS (3.0)
(Formerly ART 148)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Presents the art and science of digital compositing for visual effects and 2D animation, utilizing Adobe After Effects for film and video applications. Explores technical and aesthetic issues.
Transfer: CSU.

249 DIGITAL PHOTOGRAPHY (3.0)
(Formerly ART 149)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Presents primary instruction in digital illustration using Adobe Illustrator. Advisory: ART 150 or basic computer skills.

250 MACINTOSH OPERATING SYSTEM (1.0)
(Formerly ART 150)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Introduction to the Macintosh Operating System, computer hardware basics, technology, terminology, peripheral equipment and general practices used when operating a personal computer. Basic computer graphics and related graphics hardware are introduced.
Transfer: CSU.

253 DIGITAL ART (3.0 to 2.0)
(Formerly ART 153)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Introduces the use of the Macintosh computer, specific to art applications and the creation of fine art. Instruction will focus on the Macintosh operating system, and the use of current industry standard vector-based drawing and raster-based image editing softwares, computer hardware basics, technology, terminology, peripheral equipment and general practices used when operating a personal computer.
Transfer: CSU.

254 INTERMEDIATE DIGITAL ART (3.0)
(Formerly ART 154)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Prerequisite: ART 244
Continuation of ART 253 with emphasis on the more complex tools and procedures of the software which is introduced in ART 253. Presents intermediate-level integration of digital media with natural art media. Critiques focus on contemporary aesthetic and ethical issues in digital art as well as the design attributes of the artwork.
Transfer: CSU; UC.

255 ADOBE ILLUSTRATOR: ART, DESIGN, AND PHOTOGRAPHY (1.0)
(Formerly ART 155)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Advisory: ART 150 or basic computer skills.
Presents primary instruction in digital illustration using Adobe Illustrator. Students learn how to create images, to use type and layout features, to use filters, and to format images for print, web and other digital mediums.
Transfer: CSU.

256 ADOBE PHOTOSHOP: ART, DESIGN, AND PHOTOGRAPHY (1.0)
(Formerly ART 156)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Advisory: ART 150 or basic computer skills.
Presents primary instruction in digital imaging for artists and designers using Adobe Photoshop. Students learn how to scan, composite, edit and adjust images, change image modes and file formats.
Transfer: CSU.

257 DIGITAL PAINTING (3.0 to 1.0)
(Formerly ART 157)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Advisory: Basic computer skills.
Presents an introduction to digital painting using Adobe Photoshop, with a focus on basic painting techniques, methods and language. Includes color mixing, composition and integration of traditional and digital painting techniques.
Transfer: CSU.

258 ADOBE INDESIGN: ART, DESIGN, AND PHOTOGRAPHY (3.0 to 1.0)
(Formerly ART 158)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Advisory: Basic computer skills.
Introduces digital prepress production involving preparation of pages for reproduction on any kind of press or printing system. Presents topics and practical experience in Adobe InDesign, work flow, terminology, file types, font issues, job requirements, various digital input devices, complex file storage and transfer systems, and output options for hard copy.
Transfer: CSU.

260 CONCEPTUAL BLOCKBUSTING (3.0)
(Formerly ART 160)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: ENGL 156.
Introduces students with basic concepts to enhance innate creative abilities. Explores the mental and emotional factors involved in the creative process: linear and non-linear thinking, and multiple intelligences. Numerous creative problem-solving techniques, invention, scientific, and artistic case
studies are explored. The underlying assumption is that innovation is a skill which can be learned.

Transfer: CSU.

265 ADOBE FLASH: ART, DESIGN, AND ANIMATION (3.0)  
(Formerly ART 165)  
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)  
Associate Degree Applicable  
Advisory: ENGL 156.  
Introduces the basic principles of animation, interactivity, and other time-based media projects using Adobe Flash Professional. Students will learn how these principles are used to construct games, animations and interactive media.  
Transfer: CSU.

266 GRAPHIC DESIGN (3.0 to 2.0)  
(Formerly ART 166)  
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)  
Associate Degree Applicable  
Prerequisite: ART 253  
Principles and processes used in visual communication. This class focuses on the creative and practical exploration in the area of visual communication. Topics in this class are fundamental to the creation of digital layout, graphics, illustrations, photography, animation, video and multimedia. Projects incorporate symbols and typography into visual design, exploring interrelationships between the formal elements and symbolic content.  
Transfer: CSU.

267 INTERMEDIATE GRAPHIC DESIGN (3.0 to 2.0)  
(Formerly ART 167)  
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)  
Associate Degree Applicable  
Prerequisite: ART 266  
Continues the practical skills of ART 266 emphasizing critical assessment of the design principles used in visual communication as well as creative and practical exploration. Topics in this class are fundamental to the creation of digital layout, graphics, illustrations, photography, animation, video and multimedia.  
Transfer: CSU.

268 TYPOGRAPHY (3.0)  
(Formerly ART 168)  
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)  
Associate Degree Applicable  
Advisory: ENGL 156.  
Introduces basic principles in the effective use of type. Emphasis is on the use of typography in graphic design. Topics include the history of type, aesthetic qualities of letterforms, anatomy of the letter, typeface and style, and compositional arrangement.  
Transfer: CSU; UC.

270 FUNDAMENTALS OF 3-D DESIGN (3.0)  
(Formerly ART 170)  
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)  
Associate Degree Applicable  
Introduces the basic elements and principles of three-dimensional design. Presents a variety of studio problems using basic sculptural materials, tools and methods. Presents an overview of 3D design in historical and contemporary context.  
Transfer: CSU; UC.

271 BEGINNING SCULPTURE (3.0 to 2.0)  
(Formerly ART 171)  
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)  
Associate Degree Applicable  
Introduces the issues and techniques of contemporary sculpture. Assignments emphasize ideas and personal expression while utilizing the elements and principles of design. Projects explore materials such as fabrication with plaster, metal, mixed media, and wood, and contemporary approaches such as site-specific and installation sculpture.  
Transfer: CSU; UC.

272 INTERMEDIATE SCULPTURE (3.0 to 2.0)  
(Formerly ART 172)  
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)  
Associate Degree Applicable  
Prerequisite: ART 271  
Continues study of issues and techniques of contemporary sculpture as introduced in ART 271. Presents intermediate level assignments in fabrication and introduces the casting process. Additional emphasis will be placed on large-scale projects such as site-specific, performance, installation and public art.  
Transfer: CSU.

273 FIGURE SCULPTURE (3.0 to 2.0)  
(Formerly ART 173)  
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)  
Associate Degree Applicable  
Prerequisite: ART 223, ART 270, or ART 271  
Provides instruction and creative practice in figure sculpture using a live model with directed assignments. Traditional and contemporary techniques and materials will be employed with an emphasis on contemporary issues in figure sculpture. Media may include, but are not limited to, clay, plaster mold-making, cast hydro-stone, bronze casting, plaster construction, welded steel and mixed-media.  
Transfer: CSU; UC.

274 SCULPTURE FOUNDRY (3.0 to 2.0)  
(Formerly ART 174)  
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)  
Associate Degree Applicable  
Prerequisite: Successful completion of ART 270 or ART 271 or equivalent study to be presented in a portfolio and evaluated by the instructor. Provides instruction and practice in bronze casting of sculpture using the lost wax processes including direct modeling and mold making. Emphasizes contemporary art issues related to bronze sculpture.  
Transfer: CSU.

280 CERAMICS (3.0 to 2.0)  
(Formerly ART 180)  
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)  
Associate Degree Applicable  
Introduces the practice and appreciation of ceramics as a fine art covering the basic elements and principles of design, methods and materials specific to ceramic media with a focus on hand-building. Emphasizes the use of ceramics as a personal means of visual expression and communication. Presents an overview of the art of ceramics in an historical and contemporary context.  
Transfer: CSU; UC.

281 CERAMICS (3.0 to 2.0)  
(Formerly ART 181)  
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)  
Associate Degree Applicable  
Prerequisite: ART 280  
Continues ART 280 with an emphasis on throwing on the potter’s wheel, sculptural form derived from wheel-thrown objects, and sculptural form combining wheel and hand-built forms.  
Transfer: CSU; UC.
COURSES

282  INTERMEDIATE CERAMICS  (3.0 to 2.0)
(Formerly ART 182)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Prerequisite: ART 280
Explores contemporary issues in ceramic art and the more technically involved construction and decorating methods with an emphasis on glaze technology.
Transfer: CSU; UC.

283  CERAMIC SCULPTURE  (3.0 to 2.0)
(Formerly ART 183)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Prerequisite: ART 280 or a comparable college-level beginning ceramics class.
Presenst contemporary and traditional processes and materials in their application to the construction of ceramic sculpture.
Transfer: CSU; UC.

284  ALTERNATIVE AND PRIMITIVE FIRING TECHNIQUES IN CERAMICS  (3.0 to 2.0)
(Formerly ART 184)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Prerequisite: ART 280
Presents instruction and experience in alternative firing techniques for ceramic art. Firings will include pit, sawdust, and raku.
Transfer: CSU; UC.

290  ART EXCURSIONS  (1.0 to 0.5)
(Formerly ART 190)
3.0 hours laboratory per week
Associate Degree Applicable
Prerequisite: Completion of or concurrent enrollment in any art class.
Advisory: Eligibility for ENGL 201A.
Presents an opportunity for fine arts students to sketch and study original works of art in museums, galleries, art schools, and other sites in the Los Angeles and San Francisco areas. Sketchbook drawings and/or journal notes may be used by the student as a basis for developing an independent art work or essay.
Transfer: CSU.

293  PORTFOLIO PRESENTATION  (3.0 to 2.0)
(Formerly ART 193)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Advisory: ENGL 156.
Develops basic skills in resume formulation, selecting, mounting and photographing art work for portfolio presentation to future college or vocational agencies. Examines opportunities and requirements for work in various art-related fields, and investigates goals relative to individual development. Recommended for art majors and minors.
Transfer: CSU.

295  ART GALLERY  (5.0 to 3.0)
(Formerly ART 195)
11.0 hours per week: (2.0 hours lecture, 9.0 hours laboratory)
Associate Degree Applicable
Advisory: ART 220, ART 270, and ART 290.
Explores theoretical, technical and aesthetic aspects of exhibiting works of art, as well as providing actual experience in operating an art gallery. Students will work with exhibiting artists, learn about contemporary issues in art and the relationship between gallery, artist and viewing public. Students assist in design, publicity, installation and management of the Cuesta College Art Gallery.
Transfer: CSU.

299  INDEPENDENT STUDIES: ART  (2.0 to 0.5)
(Formerly ART 199)
6.0 hours laboratory per week
Associate Degree Applicable
Prerequisite: The student must have completed preparatory course work in the field in which the study is to be undertaken.
Provides an opportunity for an in-depth study or a practicum experience by an individual student in a selected topic of Art under the direction of an instructor.
Transfer: CSU.

401  HSD NON-CREDIT BASIC SKILLS DRAWING  (0.0)
(Formerly ART 401)
20.0 hours per week: (5.0 hours lecture, 15.0 hours laboratory)
This is an elective course towards a high school diploma. The course introduces the studio arts pertaining to drawing. The course will emphasize the basic elements of art. Various drawing and techniques will be introduced to the student such as gesture, contour and modeling. The student will have the opportunity to create works in various media. Students will also gain the ability to analyze and respond to various works, including their own. Furthermore, students will be introduced to numerous cultural and historical styles and motifs. Through critiques, students will display the ability to aesthetically value and appreciate works of art, as well as understand the relationship between art, culture and history.

402  HSD NON-CREDIT BASIC SKILLS PAINTING  (0.0)
(Formerly ART 402)
20.0 hours per week: (5.0 hours lecture, 15.0 hours laboratory)
This is an elective course towards a high school diploma. The course introduces the disciplines of painting and design. The course will emphasize the basic elements of color and design as they relate to painting. The student will create works in water color, oil, and acrylic. Students will also gain the ability to analyze and evaluate art, including their own. Students will survey the history of art in general and painting in specific, putting themselves in a historical and cultural context.

403  HSD NON-CREDIT BASIC SKILLS CERAMICS  (0.0)
(Formerly ART 403)
20.0 hours per week: (5.0 hours lecture, 15.0 hours laboratory)
This is an elective course towards a high school diploma. This course is a technical and aesthetic exploration of 3-dimensional design through the mediums of clay, and ceramics. This course will also include 2-dimensional basic drawing and layout skills. The student will participate in a wide range of experiences using additive or subtractive sculpture techniques, designed to build artistic and creative confidence. Functional objects as well as sculptural ideas will be explored during the year. Students will also be exposed to several methods of glazing their own work. An introduction to the potter’s wheel as a forming tool will also take place. The products created in this course may serve as functional items or fine art works.

404  HSD NON-CREDIT BASIC SKILLS VISUAL DESIGN  (0.0)
(Formerly ART 404)
20.0 hours per week: (5.0 hours lecture, 15.0 hours laboratory)
This is an elective course towards a high school diploma. A multi-culture studio art class which coordinates 2-D and 3-D studio work and cultural studies together. Selected cultures of Meso-American, Italian, German, French, Middle Eastern and Asia will be introduced to produce art projects that relate to each unique culture. Language (vocabulary) and cultural studies will be taught on a daily basis so as to appreciate historical and cultural differences. The art elements and principles of design composition serve as a foundation for each unit covered. Attention will be given to visual studio work, language and culture studies. Students will gain knowledge and an appreciation for various art forms.
ASTRONOMY

210 ASTRONOMY (3.0)
(Formerly ASTR 10)
3.0 hours lecture per week
Associate Degree Applicable
Prerequisite: MATH 123 or MATH 123SI or equivalent
Advisory: Eligibility for ENGL 201A.
Provides an opportunity for an in-depth study or practicum experience
by an individual student in a selected topic of Astronomy under the direction of an instructor.
Transfer: CSU; UC.

210L ASTRONOMY LAB (1.0)
(Formerly ASTR 10L)
3.0 hours laboratory per week
Associate Degree Applicable
Prerequisite: MATH 123 or MATH 123SI or equivalent
Co-requisite: ASTR 210
Advisory: Eligibility for ENGL 201A.
Laboratory application of the principles presented in ASTR 210.
Transfer: CSU; UC.

247 INDEPENDENT STUDIES - ASTRONOMY (4.0 to 0.5)
(Formerly ASTR 47)
6.0 hours laboratory per week
Associate Degree Non-Applicable
Provides an opportunity for an in-depth study or a practicum experience
by an individual student in a selected topic of Astronomy under the direction of an instructor.
Transfer: CSU.

193 ASTRONOMY SPECIAL TOPIC (4.0 to 0.5)
(Formerly ASTR 93)
4.0 hours lecture per week
Associate Degree Non-Applicable
Examines a special topic in the field of study related to the discipline offering this course.

AUTOMOTIVE TECHNOLOGY

147 INDEPENDENT STUDIES: AUTOMOTIVE TECHNOLOGY (2.0 to 0.5)
(Formerly ATECH 47)
6.0 hours laboratory per week
Associate Degree Applicable
Prerequisite: The student must have completed preparatory course work in the technical field in which the study is to be undertaken
Provides an opportunity for in-depth study or practicum experience by an individual student in a selected topic in the automotive technology area with support and direction from an instructor.

152 INTERNAL COMBUSTION ENGINES (3.0)
(Formerly ATECH 52)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 156 or ENGL 165.
Provides an opportunity for in-depth study or practicum experience
by an individual student in a selected topic in the automotive technology area with support and direction from an instructor.

153 ENGINE OVERHAUL PROCEDURES (3.0)
(Formerly ATECH 53)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Advisory: ATCH 152 or equivalent.

158 AUTOMOTIVE ELECTRICITY AND ELECTRONICS (4.0)
(Formerly ATECH 58)
6.0 hours per week: (3.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Advisory: Eligibility for ENGL 156 or ENGL 165.
Provides an opportunity for in-depth study or a practicum experience
by an individual student in a selected topic of Automotive Electricity and Electronics under the direction of an instructor.

263 AUTOMOTIVE FUEL SYSTEMS: CARBURETION (3.0)
(Formerly ATECH 63)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Advisory: Eligibility for ENGL 156 or ENGL 165.
Provides an opportunity for an in-depth study or a practicum experience
by an individual student in a selected topic of Automotive Fuel Systems: Carburetion under the direction of an instructor.

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269 AUTOMOTIVE TECHNOLOGY INTERNSHIP (3.0)
(Formerly ATECH 69)
6.0 hours per week: (1.5 hours lecture, 4.5 hours laboratory)
Associate Degree Applicable
Prerequisite: Successful completion of 12 semester units of ATCH courses with a 3.0 GPA.
Provides lecture and lab instruction centering around the working environment in the automotive repair industry. Students are assigned to a commercial automotive repair facility for their laboratory experience. Lectures cover such topics as work habits, resumes, interviewing, attitude, safety, labor laws, record keeping, and rules and regulations pertinent to the automotive repair industry.
Transfer: CSU.

170 AUTO BODY REPAIR I (3.0)
(Formerly ATECH 70)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Advisory: Eligibility for ENGL 156 or ENGL 165.
Presents the fundamentals of automotive body repair. Includes instruction in body construction, welding, metalworking methods and equipment used in the auto body repair industry. Emphasis is placed on developing the knowledge and manipulative skill necessary for gainful employment in the auto body repair industry.

171 ADVANCED AUTO BODY (3.0)
(Formerly ATECH 71)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Prerequisite: ATCH 170
Presents an advanced course in automotive body and fender repair which combines laboratory work on campus and on-site research in a commercial repair facility. This course covers estimating damage, frame alignment, trim work, upholstery removal and installation, shop management, and major collision damage repair. Emphasis is placed on developing the knowledge and manipulative skill necessary for gainful employment in the automotive collision repair industry.

175 AUTOMOTIVE PAINTING (5.0)
(Formerly ATECH 75)
9.0 hours per week: (3.0 hours lecture, 6.0 hours laboratory)
Associate Degree Applicable
Advisory: Eligibility for ENGL 156 or ENGL 165.
Covers surface preparation, selection and application of undercoats, topcoats and other types of refinishing materials and equipment which are compliant with current Air Pollution Control District rulings and laws governing commercial automotive refinishing operations. Addresses health, safety, and environmental concerns relative to the automotive painting industry. Emphasizes development of the knowledge and manipulative skills necessary for gainful employment in the automotive painting industry.

177 ADVANCED AUTOMOTIVE PAINTING (3.0)
(Formerly ATECH 77)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Prerequisite: ATCH 170 and ATCH 175
Advisory: Eligibility for ENGL 156 or ENGL 165.
Presents complete vehicle refinishing, color matching techniques, color theory and custom painting as well as vehicle detailing. Prepares students for employment as an automotive painter.

280 MANUAL DRIVETRAINS (3.0)
(Formerly ATECH 80)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Advisory: Eligibility for ENGL 156 or ENGL 165.
Provides lecture and lab instruction on manual drivetrains, including clutch assemblies, manual transmissions and transaxles, rear wheel drive (RWD) drive shafts and universal joints, front wheel drive (FWD) half-shafts and constant velocity joints, rear axle assemblies and differentials, and drive axle wheel bearings as applied to automobiles and light duty trucks.
Transfer: CSU.

281 MANUAL TRANSMISSIONS (3.0)
(Formerly ATECH 81)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Advisory: ATCH 182, ATCH 186, and ATCH 109 and eligibility for ENGL 156 or ENGL 165.
Presents the operation, diagnosis, repair, and overhaul of rear wheel drive manual transmissions, front wheel drive manual transaxles, and rear wheel drive axles as applied to automobiles and light duty trucks both foreign and domestic.
Transfer: CSU.

182 AUTOMATIC TRANSMISSIONS (4.0)
(Formerly ATECH 82)
6.0 hours per week: (3.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Advisory: Eligibility for ENGL 156 or ENGL 165.
Introduces fundamental operations, rebuilding procedures, and service of torque converters and automotive automatic transmissions. Provides preparation for Automotive Service Excellence Certification.

184 BRAKING SYSTEMS (4.0)
(Formerly ATECH 84)
6.0 hours per week: (3.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Advisory: ATCH 109 and eligibility for ENGL 156 or ENGL 165.
Presents automotive braking systems including conventional drum type brakes, disc brakes, vacuum and hydraulic boosters, and anti-lock brake systems. Provides training for licensing by the Bureau of Automotive Repair and by Automotive Service Excellence Certification.

186 CHASSIS AND SUSPENSION SYSTEMS (3.0)
(Formerly ATECH 86)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Advisory: Eligibility for ENGL 156 or ENGL 165.
Presents suspension geometry and design, wheel alignment, active suspension systems, wheel balancing, tires, and steering systems. Provides training toward Automotive Service Excellence Certification.

18 AUTOMOTIVE FUEL INJECTION AND TURBOCHARGERS (3.0)
(Formerly ATECH 87)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Advisory: Eligibility for ENGL 156 or ENGL 165.
Presents both mechanical and electrical fuel injection systems for automotive gasoline and diesel fuel engines as well as automotive and light truck turbochargers.

188 AUTOMOTIVE HEATING AND AIR CONDITIONING (3.0)
(Formerly ATECH 88)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Advisory: Eligibility for ENGL 156 or ENGL 165.
Provides theory and practical application of the function and repair of heating and air conditioning systems as applied to domestic and imported automobiles. Provides training toward Automotive Service Excellence Certification.
193 AUTOMOTIVE TECHNOLOGY SPECIAL TOPIC (4.0 to 0.5)
(Formerly ATECH 93)
Associate Degree Applicable
Examines a special topic in the field of study related to the discipline offering this course.

193D FUNDAMENTALS OF SHOP PRACTICE (1.0)
(Formerly ATECH 93D)
1.0 hours lecture per week
Associate Degree Applicable
Presents lecture and demonstration material covering tool and shop safety, threaded fasteners, removing broken and seized fasteners, job costing and estimating, hydraulic principles, leverage, tolerances, and fundamentals of disassembly and assembly of component assemblies.

193E UPDATE TRAINING - AUTOMOTIVE ELECTRIC (1.0)
(Formerly ATECH 93E)
8.0 hours per week: (4.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Advisory: Engine Performance Specialist Certificate or one year full time equivalent experience in the trade.
Provides for updating skills in modern automotive electrical service. Prepares student for ASE A-6 electrical test and BAR A-6 alternate test.

193F UPDATE TRAINING - ENGINE PERFORMANCE (1.0)
(Formerly ATECH 93F)
8.0 hours per week: (4.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Advisory: Engine Performance Specialist Certificate or one year full time equivalent experience in the trade.
Provides updated information on engine driveability and performance testing procedures. Prepares the student for ASE A-8 engine performance test and BAR A-8 alternate test.

193G UPDATE TRAINING - ADVANCED ENGINE PERFORMANCE (2.0)
(Formerly ATECH 93G)
8.0 hours per week: (5.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Advisory: Engine Performance Specialist Certificate or one year full time equivalent experience in the trade.
Provides for update skills in engine driveability and emission failure repairs. Prepares the student for ASE L-1 advanced performance test and BAR L-1 alternate test.

193H UPDATE TRAINING - SMOG CHECK (1.0)
(Formerly ATECH 93H)
8.0 hours per week: (6.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Advisory: Engine Performance Specialist Certificate or one year full time equivalent experience in the trade.
Provides update training in automotive emission testing. Required by the BAR for state smog check technician license renewal.

193K ELECTRONICS FOR AUTOMOTIVE TECHNICIANS (1.0)
(Formerly ATECH 93K)
6.0 hours per week: (3.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable

195 TECHNICAL CAREER PREPARATION IN AUTOMOTIVE (1.0)
(Formerly ATECH 95)
1.0 hour lecture per week
Associate Degree Applicable
Overview of automotive careers with focus on preparing for the job market. Includes discussion of career opportunities in the automotive industry, both union and non-union. Focus on providing the tools necessary to target and obtain a position in the automotive industry.

109 INTRODUCTION TO AUTOMOTIVE COMPUTERS (2.5)
(Formerly ATECH 109)
4.0 hours per week: (2.0 hours lecture, 2.0 hours laboratory)
Associate Degree Applicable
Covers the theory, operation, and basic test procedures for on-board computers found on domestic and imported vehicles. Designed for entry level automotive study.

120 AUTOMOTIVE IGNITION SYSTEMS (2.0)
(Formerly ATECH 120)
4.0 hours per week: (1.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Covers modern vehicle ignition system theory, diagnosis, and repair. Includes IT, EI, and Coil-On-Plug systems.

125 ENGINE PERFORMANCE (4.0)
(Formerly ATECH 125)
6.0 hours per week: (3.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Advisory: ATCH 152, ATCH 109, ATCH 120 or one year in the automotive trade.
Studies automotive engine performance theory and operation including fuel, electrical, emission, and computer systems. Emphasizes tune-up, pollution control, and driveability diagnostic techniques.

127 ENHANCED CLEAN AIR CAR COURSE (1.0)
(Formerly ATECH 127)
2.0 hours per week: (1.0 hours lecture, 1.0 hours laboratory)
Associate Degree Applicable
Prerequisite: Completion of or concurrent enrollment in ATCH 164
Provides training as required by the California Bureau of Automotive Repair to meet Advanced Emission Specialist Technician license requirements. Includes training on Smog Check failure analysis and operation of the Bar-97 dynomometer testing system.

BIOLOGY

201A BIOLOGY (5.0)
(Formerly BIO 1A)
9.0 hours per week: (3.0 hours lecture, 6.0 hours laboratory)
Associate Degree Applicable
Prerequisite: MATH 127, MATH 127SI or equivalent with a grade of C or better
Advisory: ENGL 156.
Provides an introduction to the structure and function of the living universe. Includes cells, genetics, and heredity. Transfer: CSU; UC.

201B BIOLOGY (5.0)
(Formerly BIO 1B)
9.0 hours per week: (3.0 hours lecture, 6.0 hours laboratory)
Associate Degree Applicable
Prerequisite: BIO 201A with a grade of C or better
Continues BIO 201A with emphasis on plant and animal structure and function, physiology, evolution, and ecology. Transfer: CSU; UC.

202 GENERAL BOTANY (5.0)
(Formerly BIO 2)
9.0 hours per week: (3.0 hours lecture, 6.0 hours laboratory)
Associate Degree Applicable
Prerequisite: Completion of BIO 201A, BIO 201B, BIO 204, BIO 205, BIO 206, BIO 211, BIO 212, BIO 213, BIO 216, BIO 220, BIO 221, BIO 222, or BIO 224 with a grade of C or better; or Completion of a high school AP biology course with a grade of C or better
Advisory: ENGL 156.
Presents a study of structure and function of roots, stems, leaves, flowers, fruits and seeds of the flowering plants. Includes the characteristics, life cycles, classification, evolution and ecology of cyanobacteria, fungi, algae and vascular plants.

Transfer: CSU; UC.

203 GENERAL ZOOLOGY (5.0)
(Formerly BIO 3)
9.0 hours per week: (3.0 hours lecture, 6.0 hours laboratory)
Associate Degree Applicable
Prerequisite: BIO 201A with a grade of C or better
Presents a study of the comparative biology of the animal kingdom. Topics covered include comparative anatomy and physiology, embryology, evolution, and ecology.

Transfer: CSU; UC.

204 GENERAL BACTERIOLOGY (5.0)
(Formerly BIO 4)
9.0 hours per week: (3.0 hours lecture, 6.0 hours laboratory)
Associate Degree Applicable
Prerequisite: CHEM 210 or equivalent with a grade of C or better
Advisory: ENGL 156 and BIO 201A.
Presents the general facts regarding bacteria and other microbial forms, particularly those that affect general health. Laboratory work includes culture techniques, animal host techniques, and identification of microbes.

Transfer: CSU; UC.

205 HUMAN ANATOMY (4.0)
(Formerly BIO 5)
8.0 hours per week: (2.0 hours lecture, 6.0 hours laboratory)
Associate Degree Applicable
Advisory: ENGL 156.
Studies human anatomy with models and selected preserved material to demonstrate the anatomical systems. Utilizes an audio-tutorial approach to instruction.

Transfer: CSU; UC.

206 GENERAL HUMAN PHYSIOLOGY (5.0)
(Formerly BIO 6)
7.0 hours per week: (4.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: CHEM 210 or equivalent with a grade of C or better and BIO 205
Advisory: BIO 201A.
Presents the physiology of human body systems with emphasis upon functions of growth, fitness, motion and sensitivity. Lecture and laboratory contents are appropriate for students of biology, nursing, pre-medical and exercise sciences.

Transfer: CSU; UC.

208E BIOLOGY SEMINAR: ENVIRONMENTAL (1.0)
(Formerly BIO 8E)
1.0 hours lecture per week
Associate Degree Applicable
Prerequisite: Completion of or concurrent enrollment in any college biology course
Advisory: ENGL 156.
Presents discussions of the latest developments in biology and allied fields with an emphasis on environment-related topics.

Transfer: CSU.

208G BIOLOGY SEMINAR: GENERAL TOPICS (1.0)
(Formerly BIO 8G)
1.0 hours lecture per week
Associate Degree Applicable
Prerequisite: Completion of or concurrent enrollment in any college biology course
Advisory: ENGL 156.
Presents discussions in the latest developments in biology and allied fields with an emphasis on general topics.

Transfer: CSU.

209C COASTAL BIOLOGY FIELD STUDIES (1.0)
(Formerly BIO 9C)
54.0 hours laboratory by arrangement per week
Associate Degree Applicable
Prerequisite: Completion of or concurrent enrollment in any college biology laboratory course
Advisory: BIO 222.
Emphasizes observations and techniques used to appreciate and evaluate California’s coastal ecosystems. Camping, food, and other expenses will be the responsibility of the students.

Transfer: CSU.

209D DESERT BIOLOGY FIELD STUDIES (1.0)
(Formerly BIO 9D)
54.0 hours laboratory by arrangement per week
Associate Degree Applicable
Prerequisite: BIO 220 or any college biology laboratory course
Advisory: ENGL 156.
Presents a field study course on the California deserts. Includes the formation of the deserts and the ecological relationship of desert plants and animals. Practices field techniques used in data collection and analysis. Camping, food, and other expenses will be shared by the students. UC credit contingent upon UC review.

Transfer: CSU.

209H HAWAIIAN BIOLOGY FIELD STUDIES (3.0 to 1.0)
(Formerly BIO 9H)
36.0 hours per week: (9.0 hours lecture, 27.0 hours laboratory)
Associate Degree Applicable
Presents a field study course on the Natural History of Hawaii. Includes the formation of the islands and the ecological relationship of the island plants and animals. Transportation and Land costs are the responsibility of the students.

Transfer: CSU.

209S SIERRA BIOLOGY FIELD STUDIES (1.0)
(Formerly BIO 9S)
54.0 hours laboratory by arrangement per week
Associate Degree Applicable
Prerequisite: BIO 220 or any college biology laboratory course
Advisory: ENGL 156.
Presents a field study course on the California deserts. Includes the formation of the islands and the ecological relationship of the island plants and animals. Transportation and Land costs are the responsibility of the students.

Transfer: CSU.

210E NATURAL HISTORY OF EASTERN CALIFORNIA MOUNTAINS & DESERTS (2.0)
(Formerly BIO 10E)
4.0 hours per week: (1.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Advisory: Eligibility for ENGL 201A.
Presents a lecture and field study course on the ecology and natural history of Eastern California mountains and deserts. Includes the study of their geological history, native plant and animal communities, human impacts, and the history and function of the preservation and conservation of ecosystems including the U.S. Forest Service and Bureau of Land Management. A field trip will reinforce and elaborate upon lecture material. Field techniques also will be taught on the field trip. Students will be required to maintain and turn in a standardized field notebook. Camping, food, transportation, and other expenses will be the responsibility of the students. Students should be prepared for camping in both hot and cold (freezing) environments and for extensive hiking on and off trails over rugged terrain at elevations greater than 10,000 feet.

Transfer: CSU.
### 210I  ISLAND BIOLOGY  (2.0)
(Formerly BIO 10I)
4.0 hours per week: (1.0 hours lecture, 3.0 hours laboratory)
**Associate Degree Applicable**

Introduces fundamental structural and functional concepts of the human body systems, and their disorders and therapies. Designed for non-science majors and provides an appreciation for popular interests such as fitness, immunity, inheritance, and common medical terminology.

**Transfer:** CSU; UC.

### 210R  NATURAL HISTORY OF THE COAST RANGES  (2.0)
(Formerly BIO 10R)
4.0 hours per week: (1.0 hours lecture, 3.0 hours laboratory)
**Associate Degree Applicable**
**Advisory:** Eligibility for ENGL 201A.

Introduces basic principles of genetics and heredity. Emphasizes current advances in genetics, including stem cell research, cloning, cancer, and genetically modified crops. Investigates the social consequences and ethical implications of biotechnology in medicine and agriculture.

**Transfer:** CSU; UC.

### 210V  NATURAL HISTORY OF DEATH VALLEY NATIONAL PARK  (2.0)
(Formerly BIO 10V)
4.0 hours per week: (1.0 hours lecture, 3.0 hours laboratory)
**Associate Degree Applicable**
**Advisory:** Eligibility for ENGL 201A.

Introduces basic principles of genetics and heredity. Emphasizes current advances in genetics, including stem cell research, cloning, cancer, and genetically modified crops. Investigates the social consequences and ethical implications of biotechnology in medicine and agriculture.

**Transfer:** CSU; UC.

### 211  LIFE SCIENCE  (3.0)
(Formerly BIO 11)
5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)
**Associate Degree Applicable**
**Advisory:** ENGL 156.

Provides an introduction to the biology of the human species, designed to create an awareness and understanding of the human body functions, human role in nature, and the mechanics of human heredity. Provides direct participation in experiments, demonstrations, and discussions. Topics include elements of human anatomy and physiology, nutrition, disease, elements of human heredity and environmental adaptations, and interpretations of relevant current topics in biology.

**Transfer:** UC.

### 212  HUMAN BIOLOGY  (3.0)
(Formerly BIO 12)
3.0 hours lecture per week

Introduces fundamental structural and functional concepts of the human body systems, and their disorders and therapies. Designed for non-science majors and provides an appreciation for popular interests such as fitness, immunity, inheritance, and common medical terminology.

**Transfer:** CSU; UC.

### 212L  HUMAN BIOLOGY LABORATORY  (1.0)
(Formerly BIO 12L)
3.0 hours laboratory per week
**Associate Degree Applicable**
**Prerequisite:** Completion or concurrent enrollment in BIO 212

Provides an introduction to the biology of the human species, designed to create an awareness and understanding of the human body functions, human role in nature, and the mechanics of human heredity. Provides direct participation in experiments, demonstrations, and discussions. Topics include elements of human anatomy and physiology, nutrition, disease, elements of human heredity and environmental adaptations, and interpretations of relevant current topics in biology.

**Transfer:** CSU; UC.

### 213  GENETICS IN SOCIETY  (3.0)
(Formerly BIO 13)
3.0 hours lecture per week
**Associate Degree Applicable**

Introduces basic principles of genetics and heredity. Emphasizes current advances in genetics, including stem cell research, cloning, cancer, and genetically modified crops. Investigates the social consequences and ethical implications of biotechnology in medicine and agriculture.

**Transfer:** CSU; UC.

### 216  PLANTS & PEOPLE  (4.0)
(Formerly BIO 16)
6.0 hours per week: (3.0 hours lecture, 3.0 hours laboratory)
**Associate Degree Applicable**

Introduces fundamental structural and functional concepts of the human body systems, and their disorders and therapies. Designed for non-science majors and provides an appreciation for popular interests such as fitness, immunity, inheritance, and common medical terminology.

**Transfer:** CSU; UC.

### 220  ENVIRONMENTAL BIOLOGY  (3.0)
(Formerly BIO 20)
3.0 hours lecture per week
**Associate Degree Applicable**
**Advisory:** Eligibility for ENGL 201A.

Introduces fundamental structural and functional concepts of the human body systems, and their disorders and therapies. Designed for non-science majors and provides an appreciation for popular interests such as fitness, immunity, inheritance, and common medical terminology.

**Transfer:** CSU; UC.
Environmental Science. Applies and expands knowledge gained in BIO 220 through field trips, laboratory investigations, and special projects.

Transfer: CSU; UC.

### 221 GENERAL ECOLOGY
(Formerly BIO 21)
6.0 hours per week: (3.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Advisory: ENGL 156 and eligibility for MATH 007.
Studies plant and animal communities emphasizing the interrelationships of living organisms and their living and non-living environment. The emphasis in lecture is on major principles describing these interrelationships including evolution, energy flow and nutrient cycling via food webs, competition, and predation. The emphasis in the laboratory is on the gathering and interpretation of ecological data in lab and field.

Transfer: CSU; UC.

### 222 MARINE BIOLOGY
(Formerly BIO 22)
3.0 hours lecture per week
Associate Degree Applicable

Transfer: CSU; UC.

### 222L MARINE BIOLOGY LABORATORY
(Formerly BIO 22L)
3.0 hours laboratory per week
Associate Degree Applicable
Prerequisite: Completion of or concurrent enrollment in BIO 222
Presents an optional course designed to augment BIO 222, through laboratory and field investigations.

Transfer: CSU; UC.

### 224 PRINCIPLES OF NATURAL HISTORY
(Formerly BIO 24)
5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Advisory: ENGL 156.
Provides an ecological approach to the natural history of terrestrial plants and animals in California. Emphasizes classification, relationships to environment, interrelationships, problems of life, economic importance, and field biology techniques.

Transfer: CSU; UC.

### 226 UNDERSTANDING RARE SPECIES IN CALIFORNIA
(Formerly BIO 26)
2.0 hours lecture per week
Associate Degree Applicable
Advisory: ENGL 156.
Introduces the importance of rare species, studies reasons for rarity, and examines methods of preservation. Biological, economical and political influences on rare species are considered.

Transfer: CSU.

### 42 HONORS SEMINAR: BIOLOGY
(Formerly BIO 42H)
1.0 hours lecture per week
Associate Degree Applicable
Advisory: ENGL 201A.
Provides the opportunity for broadening the student's background in general education and for providing a study of selected topics in biology. Emphasis shall be on discussion and analysis of subject matter and current advancements. Open only to students admitted to the Honors Program.

Transfer: CSU.
## Broadcast Communications

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Description</th>
<th>Transfer: CSU</th>
</tr>
</thead>
<tbody>
<tr>
<td>221</td>
<td>INTRODUCTION TO ELECTRONIC MEDIA</td>
<td>3.0</td>
<td>Presents a survey of electronic media including radio, television, film, and digital media and their impact on culture and society in context with pre-existing models; includes history, economics, technological development, programming, ratings, legal aspects, and social aspects of broadcasting in America with cross-cultural and international comparisons.</td>
<td></td>
</tr>
<tr>
<td>223</td>
<td>VIDEO OPERATIONS</td>
<td>3.0</td>
<td>Presents the theory and demonstration of video control room and studio equipment. Offers beginning students a comprehensive overview of video studio and field operations, technical fundamentals, and basic program production.</td>
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</tr>
<tr>
<td>224A</td>
<td>AUDIO PRODUCTION</td>
<td>3.0</td>
<td>Presents the theory and practice of audio techniques in radio, television, film, and multimedia, including acoustics, audio language and terms, signal flow, use of microphones, use of mixers and related production equipment, and the aesthetic aspects of sound mixing.</td>
<td></td>
</tr>
<tr>
<td>224B</td>
<td>ADVANCED AUDIO PRODUCTION</td>
<td>3.0</td>
<td>Emphasizes polishing basic production skills and developing new and more complex production techniques through computer (Digidesign Pro Tools) editing and audio recording. Provides laboratory practice in the day-to-day operation of the campus radio station.</td>
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</tr>
<tr>
<td>224C</td>
<td>ADVANCED AUDIO PRODUCTION</td>
<td>3.0</td>
<td>Builds upon the skills introduced in BCST 224B. Introduces theory of programming, format operations, and management of small market stations. Provides experience in news scripting and on-the-air newscasting. Introduces quick punch advanced recording using the Digidesign Pro Tools audio computer. Provides laboratory practices in the day-to-day operation of the campus radio station.</td>
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</tr>
<tr>
<td>225A</td>
<td>VIDEO STUDIO PRODUCTION</td>
<td>3.0</td>
<td>Provides an introduction to the theory, terminology, signal flow and operations within a multicamera television studio and control room; includes TV history, TV aesthetics directing, the operation of broadcast quality video cameras, audio equipment, switches, the fundamentals of lighting, computer generated graphics, video control and recording.</td>
<td></td>
</tr>
<tr>
<td>225B</td>
<td>FIELD VIDEO PRODUCTION AND EDITING</td>
<td>3.0</td>
<td>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 non-linear editing. Includes the aesthetics and fundamentals of scripting, producing, and directing on location, incorporating multimedia, and postproduction.</td>
<td></td>
</tr>
<tr>
<td>226</td>
<td>WRITING FOR ELECTRONIC MEDIA</td>
<td>3.0</td>
<td>Introduces the principles, techniques, and style of writing for electronic media. Includes the writing of commercials, public service announcements, news, editorials, narration, and dramatic presentations. Introduces an analysis of content and ethical considerations of the electronic media.</td>
<td></td>
</tr>
<tr>
<td>227</td>
<td>PRINCIPLES OF RADIO BROADCAST PERFORMANCE</td>
<td>(3.0 to 0.5)</td>
<td>Explore techniques necessary to effectively communicate messages through basic announcing skills. Interviewing, radio news, commercial announcing, ad-lib techniques, voice tracking and career exploration will be covered in-depth. Learn practice skills needed to professionally perform in radio broadcasting as a career.</td>
<td></td>
</tr>
<tr>
<td>230A</td>
<td>TELEVISION INTERNSHIP</td>
<td>3.0</td>
<td>Provides practice in the operation day-to-day operation of the campus radio station. Provides some staff members for KGUR radio station.</td>
<td></td>
</tr>
</tbody>
</table>
COURSES

Prerequisite: BCST 225A and approval of station management
Provides practical supervised work experience as a regular staff member in a local area television station. Includes work in the production department of a television station helping to prepare for and operate equipment during newscasts which may include studio camera operation, floor directing, teleprompter operation, and other assigned responsibilities. Acceptable for credit, CSU. Only students who have been given permission from the chair of the broadcasting department may be allowed to interview for the internship program.
Transfer: CSU.

230B TELEVISION INTERNSHIP (3.0)
(Formerly BCST 30B)
9.0 hours laboratory by arrangement per week
Associate Degree Applicable
Prerequisite: BCST 225B and approval of the station management
Provides practical supervised work experience as a regular staff member in a local area television station or other broadcast media production facility. Includes field shooting, videotape editing, field sound operation, and other assigned responsibilities. Acceptable for credit, CSU. Only students who have been given permission from the chair of the broadcasting department may be allowed to interview for the internship program.
Transfer: CSU.

230C TELEVISION INTERNSHIP (3.0)
(Formerly BCST 30C)
9.0 hours laboratory per week
Associate Degree Applicable
Prerequisite: BCST 225A or BCST 225B and approval of station management
Provides practical supervised work experience as a regular staff member in a local cable television station or other broadcast media production facility. Includes planning, scheduling, talent coordination, production duties and other responsibilities as assigned. Acceptable for credit, CSU. Only students who have been given permission from the chair of the broadcasting department may be allowed to interview for the internship program.
Transfer: CSU.

230D TELEVISION INTERNSHIP (3.0)
(Formerly BCST 30D)
9.0 hours laboratory per week
Associate Degree Applicable
Prerequisite: BCST 225A or BCST 225B and approval of station management
Provides practical supervised work experience as a regular staff member in a local area cable company, television station, or other broadcast media production facility. Includes working for independent production companies or advertising agencies. Acceptable for credit, CSU. Only students who have been given permission from the chair of the broadcasting department may be allowed to interview for the internship program.
Transfer: CSU.

247 INDEPENDENT STUDIES: BROADCAST COMMUNICATIONS (2.0 to 0.5)
(Formerly BCST 47)
6.0 hours laboratory per week
Associate Degree Applicable
Prerequisite: The student must have completed preparatory course work in the field in which the study is to be undertaken.
Provides an opportunity for an in-depth study or a practicum experience by an individual student in a selected topic of broadcast communications under the direction of an instructor.
Transfer: CSU.

193 BROADCAST COMMUNICATIONS SPECIAL TOPIC (4.0 to 0.5)
(Formerly BCST 93)
Associate Degree Applicable
Examines a special topic in the field of study related to the discipline offering this course.
241 SALES (Formerly BUS 41)  
3.0 hours lecture per week  
Associate Degree Applicable  
Advisory: Eligibility for ENGL 156.  
Presents principles, purposes, and practices of personal selling and its importance to an organization and to a free enterprise economic system.  
Transfer: CSU.

243 MARKETING (Formerly BUS 43)  
3.0 hours lecture per week  
Associate Degree Applicable  
Advisory: Eligibility for ENGL 201A.  
Introduces fundamentals of product planning, pricing, distribution and promotion of goods, services and non-profits; market research, consumer behavior, international business, and the industrial market.  
Transfer: CSU.

245 INTRODUCTION TO BUSINESS (Formerly BUS 45)  
3.0 hours lecture per week  
Associate Degree Applicable  
Advisory: Eligibility for ENGL 156.  
Introduces the field of business and business economics. Includes functions, characteristics, organization, operation, and general problems of business. Surveys the various fields of business management, distribution, records, selling, finance, and production.  
Transfer: CSU; UC.

246 RETAIL MERCHANDISING (Formerly BUS 46)  
3.0 hours lecture per week  
Associate Degree Applicable  
Advisory: Eligibility for ENGL 201A and MATH 123 or MATH 123SI.  
Introduces students to the methods and techniques of retail distribution of merchandise, with special emphasis on buying, selling and promotion processes in the retail store.  
Transfer: CSU.

247 INDEPENDENT STUDIES: BUSINESS (Formerly BUS 47)  
2.0 to 0.5 hours laboratory per week  
Associate Degree Applicable  
Prerequisite: The student must have completed preparatory course work in the field in which the study is to be undertaken.  
Provides an opportunity for an in-depth study or a practicum experience by an individual student in a selected topic of business under the direction of an instructor.  
Transfer: CSU.

248 SMALL BUSINESS MANAGEMENT (Formerly BUS 48)  
3.0 hours lecture per week  
Associate Degree Applicable  
Advisory: Eligibility for ENGL 156.  
 Presents the role of small businesses in the free enterprise system. Discusses numerous aspects of small business ownership and entrepreneurship. Provides techniques in strategic planning, marketing, and controlling business operations for managers of small firms.  
Transfer: CSU.

249 ENTREPRENEURSHIP (Formerly BUS 49)  
4.0 hours lecture per week  
Associate Degree Applicable  
Advisory: Eligibility for ENGL 156 and MATH 123 or MATH 123SI.  
Introduces students to the concepts, techniques and requirements for establishing a business.  
Transfer: CSU.

250 ENTREPRENEUR SIMULATION (Formerly BUS 50)  
1.0 hours lecture per week  
Associate Degree Applicable  
Advisory: Eligibility for ENGL 156 and MATH 123 or MATH 123SI.  
Introduces students to the use of a simulation in making decisions affecting the success/failure of a business.  
Transfer: CSU.

251 ELEMENTS OF ACCOUNTING (Formerly BUS 51)  
4.0 hours lecture per week  
Associate Degree Applicable  
Advisory: Eligibility for ENGL 156.  
Provides a condensed and general accounting background dealing with basic accounting practices and procedures. Introduces necessary procedures for “service” as well as “service-trading” businesses and payroll accounting. Not open to students with credit in or enrolled in BUS 201A or BUS 201B.  
Transfer: CSU.

260 INTERNATIONAL BUSINESS (Formerly BUS 60)  
3.0 hours lecture per week  
Associate Degree Applicable  
Advisory: BUS 245.  
Provides an understanding of the cultural dimensions and market forces necessary to conduct business in a global environment. Examines ethnocentric models of cultural values and behavior and explores cross-cultural differences between Asia, Latin America, Africa, Middle East, Europe, and the United States in order to develop appropriate strategies to conduct business in a transnational setting. Introduces adaptation skills to successfully deal abroad and identifies the major components of national culture impacting the development and growth of business products and services in the international marketplace.  
Transfer: CSU.

162 GEOGRAPHY FOR INTERNATIONAL BUSINESS (Formerly BUS 62)  
3.0 hours lecture per week  
Associate Degree Applicable  
Advisory: ENGL 156.  
Survey of the characteristics and issues that help define Europe, Latin America, Africa, the Middle East, Asia and the Pacific Rim. Course introduces the topics of natural resource allocation, population patterns, economic variables, political institutions and regional cultural characteristics pertaining to consumers and how they act in the business environment in different regions of the world.  
Transfer: CSU.

164 INTERNATIONAL TRADE RELATIONS (Formerly BUS 64)  
3.0 hours lecture per week  
Associate Degree Applicable  
Advisory: ENGL 156.  
Provides an understanding of the cultural dimensions and market forces necessary to conduct business in a global environment. Examines ethnocentric models of cultural values and behavior and explores cross-cultural differences between Asia, Latin America, Africa, Middle East, Europe, and the United States in order to develop appropriate strategies to conduct business in a transnational setting. Introduces adaptation skills to successfully deal abroad and identifies the major components of national culture impacting the development and growth of business products and services in the international marketplace.  
Transfer: CSU.
**COURSE LIST**

**165  BASICS OF EXPORTING AND IMPORTING**  
(Formerly BUS 65)  
2.0 hours lecture per week  
Associate Degree Applicable  
Advisory: ENGL 156.  
Presents processes and strategies necessary to export and import from overseas markets. Considers the demand for product utilization, marketing within cultural contexts, pricing levels, transportation channels, export/import documentation requirements plus financing alternatives.

**166  ISO 9000/TOTAL QUALITY MANAGEMENT**  
(Formerly BUS 66)  
2.0 hours lecture per week  
Associate Degree Applicable  
Advisory: ENGL 156.  
Introduces ISO 9000 as a comprehensive management system which assures a quality level of industrial standards that can be applied to world-wide trade. Presents how TQM can be incorporated into company operations leading to continual performance improvements with a focus on the customer.

**168  INTERNATIONAL MARKETING**  
(Formerly BUS 68)  
3.0 hours lecture per week  
Associate Degree Applicable  
Advisory: ENGL 156.  
Presents the issues associated with marketing products and services in an international context. Discusses the analysis of markets, competitors, consumers and governments in Europe, Asia, Latin America and the Middle East plus sources of information to conduct global research.

**170  DEALING WITH CHANGE**  
(Formerly BUS 70)  
4.5 hours lecture per week  
Associate Degree Applicable  
Provides students with an understanding of change and the influence it has on an organization and the individuals in that organization. Topics will include understanding organizational change, theoretical models of change, stages of change, and how to manage organizational change.

**171  TEAM BUILDING**  
(Formerly BUS 71)  
4.5 hours lecture per week  
Associate Degree Applicable  
Provides the student with an understanding of how teams work together, common problems teams encounter and how to solve them. Students will learn to recognize various team player styles. Students will be introduced to team building in the workplace.

**172  COMMUNICATING WITH PEOPLE**  
(Formerly BUS 72)  
4.5 hours lecture per week  
Associate Degree Applicable  
Introduces the student to key elements in communication within business organizations. Topics will include verbal and nonverbal communication, listening skills and specific supervisory communication skills.

**173  CONFLICT RESOLUTION**  
(Formerly BUS 73)  
4.5 hours lecture per week  
Associate Degree Applicable  
Provides the student with an analysis of attitudes and behavior, which create conflict between individuals and groups within an organization.

**174  CUSTOMER SERVICE**  
(Formerly BUS 74)  
4.5 hours lecture per week  
Associate Degree Applicable  
Provides the student with certain key skills and attitudes in order to effectively meet the needs of customers. The student will be introduced to the concept of internal and external customers, customer satisfaction and customer retention.

**175  VALUES & ETHICS**  
(Formerly BUS 75)  
4.5 hours lecture per week  
Associate Degree Applicable  
Acquaints the student with the importance of values and ethics in the workplace. The importance of values and ethics involved in the supervisor's carrying out his/her duties will be emphasized.

**176  ATTITUDE IN THE WORKPLACE**  
(Formerly BUS 76)  
4.5 hours lecture per week  
Associate Degree Applicable  
Provides the student with certain key skills in the area of attitude so that they may effectively maintain a positive attitude at the workplace and at home. Concepts of how attitudes are communicated, the three types of attitudes and how to adjust one's attitude will be presented.

**177  STRESS MANAGEMENT**  
(Formerly BUS 77)  
4.5 hours lecture per week  
Associate Degree Applicable  
Acquaints the student with various skills the supervisor needs to help employees. Included is the recognition of stress and how to manage it.

**178  DECISION MAKING & PROBLEM SOLVING**  
(Formerly BUS 78)  
4.5 hours lecture per week  
Associate Degree Applicable  
Introduces the student to decision making and problem solving as a supervisor.

**179  TIME MANAGEMENT**  
(Formerly BUS 79)  
4.5 hours lecture per week  
Associate Degree Applicable  
Introduces the student to time management principles and specific tools that assist in making maximum use of time.

**180  EFFECTIVE LABOR RELATIONS**  
(Formerly BUS 80)  
4.5 hours lecture per week  
Associate Degree Applicable  
Provides students with an understanding of the elements of an effective labor relations program for today's workforce. Topics will include understanding principal labor legislation, ways to respond to legal challenges and how to develop basic labor relations approach.

**283  MANAGEMENT AND SUPERVISION**  
(Formerly BUS 83)  
3.0 hours lecture per week  
Associate Degree Applicable  
Advisory: Eligibility for ENGL 156.  
Discusses the process of management and how to supervise employees in today's business climate. The behavioral aspects of managing human resources are emphasized with a focus on the current practices of world-class companies.  
Transfer: CSU.
286  HUMAN RELATIONS  (3.0)
(Formerly BUS 86)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 156.
Introduces students to the basic principles of how to manage employees in various organizational settings such as business, government and the service sector.
Transfer: CSU.

193  BUSINESS SPECIAL TOPIC  (4.0 to 0.5)
(Formerly BUS 93)
Associate Degree Applicable
Examines a special topic in the field of study related to the discipline offering this course.

196  WORKPLACE HUMAN RELATIONS  (2.0)
(Formerly BUS 96)
4.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 156.
Discusses the process of forming personal attitudes, identifying and changing our personal attitudes, the behavioral aspects of interpersonal relationship and self-esteem are studied. Personal communication skills concepts are discussed. Cultural diversity awareness and increased team building skills are explored.

CHEMISTRY

201A  GENERAL COLLEGE CHEMISTRY  (5.0)
(Formerly CHEM 1A)
7.0 hours per week: (4.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: MATH 127, MATH 127SI or its equivalent with a grade of C or better and CHEM 210, High School Chemistry or equivalent with a grade of C or better
Presents the first semester of a one-year course in the fundamental principles of chemistry. Topics covered include kinetic-molecular treatment of gases, atomic structure and the periodic law, thermochemistry, chemical bonding, correlation of structure with properties, quantitative relationships in chemical reactions, chemical formulas and equations. Laboratory work includes a study of precision and accuracy, standard methods of gravimetric and volumetric analysis, and some computer acquisition and analysis of data.
Transfer: CSU; UC.

201B  GENERAL COLLEGE CHEMISTRY  (5.0)
(Formerly CHEM 1B)
7.0 hours per week: (4.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: CHEM 201A with a grade of C or better
A continuation of Chemistry 201A with particular reference to the periodic classification of the elements and the laws of chemical equilibrium as illustrated by the qualitative scheme of analysis. Topics covered will include chemical kinetics, thermodynamics, aqueous equilibria, free energy entropy, electrochemistry, coordination chemistry, nuclear and organic chemistry. Laboratory work will include quantitative work as well as a qualitative scheme of analysis for cations and anions and some computer acquisition and analysis of data.
Transfer: CSU; UC.

210  INTRODUCTORY CHEMISTRY  (4.0)
(Formerly CHEM 10)
6.0 hours per week: (3.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: MATH 123, MATH 123SI or equivalent, with a grade of C or better
Presents an introduction to chemistry and chemical laboratory techniques and methods, including a survey of important chemical principles, a description of the elements, and their compounds.
Transfer: CSU; UC (For UC, no credit if taken after CHEM 201A).

10FL  INTRODUCTORY CHEMISTRY WITH FACILITATOR ASSISTED LEARNING  (4.0)
(Formerly CHEM 10FAL)
hours per week: (3.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Prerequisite: ATH 123, MATH 123SI or equivalent
Presents an introduction to chemistry and chemical laboratory techniques and methods, including a survey of important chemical principles and a description of the elements and their compounds. One lab hour per week will utilize Facilitator Assisted Learning to practice problem solving.
Transfer: CSU; UC (For UC, no credit if taken after CHEM 201A).

211  INTRODUCTORY ORGANIC/BIOCHEMISTRY  (4.0)
(Formerly CHEM 11)
6.0 hours per week: (3.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: CHEM 210 or equivalent
Presents a semester course of organic and biochemistry. The classification, structure, reactions, bioenergetics, biosynthesis, and chemical communication of organic compounds are studied. In the laboratory, techniques and types of reactions are studied.
Transfer: CSU; UC (For UC, maximum credit of one course between CHEM 211 and CHEM 212A).

212A  ORGANIC CHEMISTRY  (5.0)
(Formerly CHEM 12A)
9.0 hours per week: (3.0 hours lecture, 6.0 hours laboratory)
Associate Degree Applicable
Prerequisite: CHEM 211 with a grade of C or better
Presents the first semester of a one-year course in organic chemistry. The structure and physical properties of the aliphatic, alicyclic and aromatic compounds are correlated with attention to nomenclature and reaction mechanisms. The concepts of stereochemistry, nucleophilic substitution, electrophilic addition and spectroscopy will be introduced. In the laboratory, separation techniques and synthesis reactions will be performed.
Transfer: CSU; UC (For UC, maximum credit of one course between CHEM 211 and CHEM 212A).

212B  ORGANIC CHEMISTRY  (5.0)
(Formerly CHEM 12B)
9.0 hours per week: (3.0 hours lecture, 6.0 hours laboratory)
Associate Degree Applicable
Prerequisite: CHEM 212A with a grade of C or better
Presents the second semester of a one-year course in organic chemistry. The study of reaction types and mechanisms will be correlated with structures. In addition, carbohydrates, fats, proteins and nucleic acids will be studied in conjunction with certain cellular processes. Organic synthesis, structural features, and literature materials will be studied.
Transfer: CSU; UC.

243  FACILITATOR ASSISTED LEARNING CHEMISTRY SEMINAR  (0.5)
(Formerly CHEM 43)
9.0 hours lecture per week
Associate Degree Applicable
Develops interpersonal skills, understanding of the learning process, and effectiveness as a facilitator. Seminar prepares students to facilitate in their subject area.
Transfer: CSU.
COURSES

244 FACILITATOR ASSISTED LEARNING PRACTICUM: CHEMISTRY
(Formerly CHEM 44)
1.0 hours lecture per week
Associate Degree Applicable
Prerequisite: CHEM 210 or CHEM 210FL
Provides practical applications of facilitator assisted learning (FAL) in small groups of chemistry students.
Transfer: CSU.

247 INDEPENDENT STUDIES: CHEMISTRY
(Formerly CHEM 47)
6.0 hours laboratory per week
Associate Degree Applicable
Prerequisite: The student must have completed preparatory course work in the field in which the study is to be undertaken.
Provides an opportunity for an in-depth study or a practicum experience by an individual student in a selected topic of chemistry under the direction of an instructor.
Transfer: CSU.

193 CHEMISTRY SPECIAL TOPIC
(Formerly CHEM 93)
Associate Degree Non-Applicable
Examines a special topic in the field of study related to the discipline offering this course.

401 HSD NON-CREDIT BASIC SKILLS CHEMISTRY
(Formerly CHEM 401)
20.0 hours per week: (15.0 hours lecture, 5.0 hours laboratory)
This is an elective course towards a high school diploma. This is an introductory course in theories and concepts of modern chemistry. The course emphasizes the structure of the atom, chemical bonding, periodic properties, states of matter, stoichiometry and chemical reactions. The student will be introduced to reaction kinetics, chemical equilibrium and nuclear chemistry as well. The laboratory work will develop students reasoning power, the ability to apply chemical principles; as well as acquaint students with chemical laboratory techniques.

CITIZENSHIP

693 CITIZENSHIP SPECIAL TOPIC
(Formerly CIT 693)
Examines a special topic in the field of study related to the discipline offering this course.

COMPUTER APPL/OFFICE ADM

120A BEGINNING COMPUTER KEYBOARDING AND DOCUMENT PROCESSING
(Formerly CAOA 20A)
5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Advisory: ENGL 156.
Designed for all students whose keyboarding skill will be primary and/or secondary to their vocation and/or personal use. Provides basic keyboarding skills by touch, using a microcomputer with a 10-key pad. Includes basic formatting instructions for letters, tables, and reports.

120B INTERMEDIATE COMPUTER KEYBOARDING AND DOCUMENT PROCESSING
(Formerly CAOA 20B)
5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: CAOA 120A or ability to type 30 words per minute Advisory: CAOA 246 or CAOA 251A, CAOA 251B and CAOA 251C.

120S SPEED AND ACCURACY COMPUTER KEYBOARDING
(Formerly CAOA 20S)
4.0 hours per week: (1.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: Ability to type 20 words per minute or successful completion of CAOA 120A.
Increases skills in typing speed and accuracy. Emphasizes keyboarding basics through keystoking analysis and corrective drills.

123 BUSINESS ENGLISH
(Formerly CAOA 23)
4.0 hours per week: (3.0 hours lecture, 1.0 hours laboratory)
Associate Degree Applicable
Advisory: Eligibility for ENGL 156.
Provides an essential course in the writing of sentences and paragraphs necessary to prepare business communications including email messages, memos, letters, and short reports. Introduces principles and correct application of English grammar, style, word usage, language structure, punctuation and sentence construction.

125 BUSINESS CALCULATIONS
(Formerly CAOA 25)
3.0 hours per week: (1.5 hours lecture, 1.5 hours laboratory)
Associate Degree Applicable
Advisory: Eligibility for ENGL 156.
Provides students with a functional knowledge of the computer numeric keypad by touch with speed and accuracy using industry standards for data entry. Includes solving various types of problems to meet employment testing standards.

126 VOICE RECOGNITION SOFTWARE WITH DOCUMENT APPLICATION
(Formerly CAOA 26)
4.0 hours per week: (3.0 hours lecture, 1.0 hours laboratory)
Associate Degree Applicable
Uses voice-recognition software in place of the computer keyboard to create documents and navigate the Internet. Covers dictation procedures and voice commands to input text, access program menus, and activate keyboard commands. Uses voice dictation to create e-mail messages, memos, letters, and other business documents. Reviews punctuation, capitalization, number usage, and word usage principles in the context of creating business documents by voice.

227 BUSINESS COMMUNICATIONS
(Formerly CAOA 27)
4.0 hours per week
Associate Degree Applicable
Prerequisite: CAOA 123
Presents a study of the principles and techniques applicable to all forms of effective business communication. Covers general areas of grammar mechanics and sentence structure. Emphasis is on memorandums, e-mail, routine request letters, positive response letters, negative response correspondence, persuasive communication, and goodwill and special messages. Includes informal and formal reports, proposals, resumes and cover letters, and follow-up messages.
Transfer: CSU.

128 OFFICE TECHNOLOGY AND TELECOMMUNICATIONS
(Formerly CAOA 28)
3.0 hours lecture per week
Associate Degree Applicable
Prerequisite: Ability to type 25 words per minute.
Introduces typical office routines and responsibilities; principles, practices, and terminology as applied to most common filing methods; business forms; record keeping; office automation; communication and bank services; telephone procedures; human relations; telecommunications; and job securing processes.

129 COMPUTER APPLICATIONS/OFFICE ADMINISTRATION INTERNSHIP
(Formerly CAOA 29)
8.0 hours per week: (0.5 hours lecture, 7.5 hours laboratory)
Associate Degree Applicable
Prerequisite: Completion of or concurrent enrollment in CAOA 128
Provides students an opportunity to experience the responsibilities of an office employee in a business setting.

251B BEGINNING WORD PROCESSING MODULE II (1.0)
(Formerly CAOA 51B)
4.5 hours per week: (2.5 hours lecture, 2.0 hours laboratory)
Associate Degree Applicable
Prerequisite: CAOA 246
Introduces special features of the word processing program. Includes formatting, tabs, merging, multiple page documents, headers and footers, footnotes and endnotes, and find and replace.
Transfer: CSU.

252 COMPUTERIZED ACCOUNTING USING QUICKBOOKS PRO
(Formerly CAOA 52)
5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Advisory: BUS 201A or BUS 251.
Provides students familiar with accounting concepts the knowledge, skills, and practice needed to use microcomputers for accounting applications. Includes inputting and electronically managing general journal, specialized journals, financial statement analysis, payroll, inventory, accounts receivable, accounts payable, depreciation, and other accounting applications. Provides training for entry-level computerized bookkeepers, small business owners, and students pursuing further accounting courses.
Transfer: CSU.

251C BEGINNING WORD PROCESSING MODULE III (1.0)
(Formerly CAOA 51C)
4.5 hours per week: (2.5 hours lecture, 2.0 hours laboratory)
Associate Degree Applicable
Prerequisite: CAOA 120B or ability to type 35 words per minute and CAOA 251A or the basic knowledge of the word processing program
Advisory: ENGL 156.
Introduces special features of the word processing program. Includes creating tables, columns, framing and borders, WordArt or TextArt, and draw programs.
Transfer: CSU.

147 INDEPENDENT STUDIES: COMPUTER APPLICATIONS/OFFICE ADMIN. (2.0 to 0.5)
(Formerly CAOA 47)
6.0 hours laboratory per week
Associate Degree Applicable
Prerequisite: The student must have completed preparatory course work in the field in which the study is to be undertaken.
Provides an opportunity for an in-depth study or a practicum experience by an individual student in a selected topic of Computer Applications/Office Administration under the direction of an instructor.

250 ADVANCED WORD PROCESSING: MICROSOFT WORD (3.0)
(Formerly CAOA 50)
4.0 hours per week: (2.5 hours lecture, 1.5 hours laboratory)
Associate Degree Applicable
Prerequisite: CAOA 246
Introduces advanced operations of word processing. Emphasizes Microsoft Word’s macros, hyphenation, bookmarks, borders, clip art, Draw program, WordArt, Equation Editor, World Wide Web, home pages, hyperlinks, tables, charts, columns, styles, sort and select, outlines, fill-in form templates, table of contents, and index features.
Transfer: CSU.

153 ESSENTIALS OF MS PUBLISHER (2.0)
(Formerly CAOA 53)
2.0 hours lecture per week
Associate Degree Applicable
Advisory: CAOA 266.
Introduces the basics of desktop publishing using MS Publisher. Provides an opportunity for the student to use graphic design and layouts to enhance messages with predefined layouts, programmed guidance through the creation process; and, the ability to personalize, change, completely re-design from basics.

154 ESSENTIALS OF MS OUTLOOK (2.0)
(Formerly CAOA 54)
2.0 hours lecture per week
Associate Degree Applicable
Advisory: CAOA 266.
Introduces the computer user to an electronic desktop information management (DIM) system; a central location from which to create, view, and organize all computer information. Simplifies organizational tasks, journal entries, works with Web addresses by allowing the storage, management and navigation to web sites.

156 TEST PREP FOR MICROSOFT OFFICE SPECIALIST (MOS) CERTIFICATION (0.5)
(Formerly CAOA 56)
4.5 hours lecture per week
Associate Degree Applicable
Provides students with the opportunity to become a Specialist in the Microsoft office programs (Word, Excel, PowerPoint, Access or Outlook.) Includes unlimited review and practice tests along with test-taking strategies. Upon completion of class, student will be prepared to take MOS certification exams.
160 MICROCOMPUTER OPERATIONS (3.0)
(Formerly CAOA 60)
4.0 hours per week: (2.5 hours lecture, 1.5 hours laboratory)
Associate Degree Applicable
Prerequisite: CAOA 120A, CAOA 162 or ability to type 25 words per minute
Advisory: ENGL 156.
Provides an overview of computer hardware, software, and operating sys-
tem concepts used on computer systems. Students will use a computer
to execute problem solving exercises using the operating system. Students
will be able to customize the start-up of the operating system and will be
able to optimize the use of the operating system.

261 INTRODUCTION TO SPREADSHEETS (3.0)
(Formerly CAOA 61)
4.0 hours per week: (2.5 hours lecture, 1.5 hours laboratory)
Associate Degree Applicable
Prerequisite: CAOA 162, CAOA 120A or ability to type 25 words per minute
Advisory: Eligibility for ENGL 156.
Introduces the basics of an electronic spreadsheet program. Provides
hands-on experience to create the various functions of spreadsheets, mac-
ros, databases, and charts. Learn to analyze, identify, and apply the prin-
ciples needed to apply these various functions.
Transfer: CSU.

162 INTRODUCTION TO BEGINNING COMPUTER KEYBOARDING (1.0)
(Formerly CAOA 62)
3.0 hours per week: (1.5 hours lecture, 1.5 hours laboratory)
Associate Degree Applicable
Introduces typing fundamentals, machine functions, keyboard use, and
speed and accuracy drills. Designed to develop a minimum typing speed
of 20 words a minute.

264 INTRODUCTION TO DATABASE MANAGEMENT (3.0)
(Formerly CAOA 64)
4.0 hours per week: (2.5 hours lecture, 1.5 hours laboratory)
Associate Degree Applicable
Prerequisite: CAOA 162, CAOA 120A or ability to type 25 words per minute
Advisory: Eligibility for ENGL 156.
Introduces the basics of database management by implementing simple
databases. Includes creating, querying, sorting, indexing, and manipu-
lating a database file and generating reports and labels. Create custom
screens, work with multiple database files, and work with advanced com-
mand and report structures applying the knowledge and skills acquired in
this course.
Transfer: CSU.

265 ADOBE INDESIGN: BUSINESS APPLICATIONS (3.0)
(Formerly CAOA 65)
4.0 hours per week: (2.5 hours lecture, 1.5 hours laboratory)
Associate Degree Applicable
Presents primary instruction in the use of Adobe InDesign, a design-ori-
ented publishing tool. Create documents and integrate text and graphics
to produce files that may be printed in-house, printed commercially, or
published to a web site.
Transfer: CSU.

266 INTRODUCTION TO COMPUTER BASICS (1.0)
(Formerly CAOA 66)
3.0 hours per week: (2.0 hours lecture, 1.0 hours laboratory)
Associate Degree Applicable
Covers the basics of the computer’s Windows operating system. Includes
working with folders and files, customizing the operating system environ-
ment, using a browser to explore and search the World Wide Web.
Transfer: CSU.

167 POWERPOINT (1.0)
(Formerly CAOA 67)
1.0 hour lecture per week
Associate Degree Applicable
Prerequisite: CAOA 162, CAOA 120A or ability to type 25 words per minute
Advisory: Eligibility for ENGL 156.
Introduces the functions of the PowerPoint program, enabling the pro-
duction of high-quality output for presentation to an audience. Includes
delivering web presentations.

268 INTRODUCTION TO PHOTOSHOP: BUSINESS APPLICATIONS (3.0)
(Formerly CAOA 68)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: CAOA 162, CAOA 120A or ability to type 25 words per minute.
Introduces the basic components of image editing using Adobe Photoshop
including color management, image formats, and image creation.
Concentrates on the Photoshop environment and the use of selections,
layers, masks, channels, paths, type, painting tools, blending modes, and
filters. Projects include compositing, retouching, and creating images for
both the print process and web publishing.
Transfer: CSU.

168A PHOTOSHOP-LEVEL 2: BUSINESS APPLICATIONS (1.5)
(Formerly CAOA 68A)
4.0 hours per week: (2.5 hours lecture, 1.5 hours laboratory)
Associate Degree Applicable
Prerequisite: CAOA 268
Continues the techniques CAOA 268 introduced to enhance fliers, news-
letters, presentations, and web pages in an office environment. Learn to
create and produce high-quality digital images for use in professional
publications.

269 INTRODUCTION TO WEB PUBLISHING: DREAMWEAVER (3.0)
(Formerly CAOA 69)
5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Advisory: CAOA 162 OR CAOA 120A or ability to type 25 words per minute
and manage personal computer files. LIBT 207 and CAOA 268.
Introduces Web publishing using Macromedia Deamweaver. Includes web
design terms, techniques and publishing issues; use of Dreamweaver soft-
ware for Website creation, editing and publishing; and the use of graphic
image editing techniques in relation to Web publishing.
Transfer: CSU.

270 INTERMEDIATE WEB PUBLISHING: DREAMWEAVER (3.0)
(Formerly CAOA 70)
5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: CAOA 268; CAOA 264; LIBT 207.
Introduces features of Dreamweaver used as a medium to plan and update
simple database driven websites. The student will become familiar with
this application’s interactive form elements, implement recordsets, and
use various server and data behaviors for back-end programming models.
Students will create e-commerce and e-marketing websites dedicated to
business enterprises.
Transfer: CSU.

270A INTRODUCTION TO DATABASE MANAGEMENT- MODULE I (1.0)
(Formerly CAOA 70A)
4.5 hours per week: (2.5 hours lecture, 2.0 hours laboratory)
Associate Degree Applicable
Prerequisite: CAOA 162, CAOA 120A or ability to type 25 words per minute
Advisory: ENGL 156.
Introduces the basics of database management. Includes creating and manipulating a database file, and creating and modifying custom forms.

Transfer: CSU.

270B INTRODUCTION TO DATABASE MANAGEMENT MODULE II

(Formerly CAOA 70B)
4.5 hours per week: (2.5 hours lecture, 2.0 hours laboratory)
Associate Degree Applicable
Prerequisite: CAOA 270A and CAOA 162, CAOA 120 or ability to type 25 words per minute
Advisory: ENGL 156.
Introduces the basics of database management. Create various reports, create and modify select queries, and implement one-to-many relationships within a database.

Transfer: CSU.

270C INTRODUCTION TO DATABASE MANAGEMENT MODULE III

(Formerly CAOA 70C)
4.5 hours per week: (2.5 hours lecture, 2.0 hours laboratory)
Associate Degree Applicable
Prerequisite: CAOA 270B and CAOA 162, CAOA 120 or ability to type 25 words per minute
Advisory: ENGL 156.
Introduces the basics of database management. Create many-to-many relationships, create a main form and subform, use cascade update and cascade delete, create parameter query, use aggregate functions, and use macros.

Transfer: CSU.

271 USING FLASH FOR BUSINESS APPLICATIONS

(Formerly CAOA 71)
5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Advisory: CAOA 120A, CAOA 162 or CAOA 266 or LIBT1 116, ART 265, or equivalent knowledge.
Introduces the basics of maintaining content for interactive websites. Learn to maintain an engaging interface using text, graphics, moving pictures, and sound for enhancing business, marketing or personal e-commerce websites.

Transfer: CSU.

271A INTRODUCTION TO SPREADSHEETS-MODULE I

(Formerly CAOA 71A)
4.5 hours per week: (2.5 hours lecture, 2.0 hours laboratory)
Associate Degree Applicable
Prerequisite: CAOA 162, CAOA 120A or ability to type 25 words per minute
Advisory: ENGL 156.
Introduces the basics of an electronic spreadsheet program. Provides hands-on experience to create formulas and to manipulate multiple workbooks.

Transfer: CSU.

271B INTRODUCTION TO SPREADSHEETS-MODULE II

(Formerly CAOA 71B)
4.5 hours per week: (2.5 hours lecture, 2.0 hours laboratory)
Associate Degree Applicable
Prerequisite: CAOA 271A and CAOA 162, CAOA 120A or ability to type 25 words per minute
Advisory: ENGL 156.
Introduces the basics of an electronic spreadsheet program. Includes formatting, page set-up, and printing tips and techniques. Learn to create charts and macros, and use lists and built-in functions.

Transfer: CSU.

271C INTRODUCTION TO SPREADSHEETS-MODULE III

(Formerly CAOA 71C)
4.5 hours per week: (2.5 hours lecture, 2.0 hours laboratory)
Associate Degree Applicable
Prerequisite: CAOA 271B and CAOA 162, CAOA 120A or ability to type 25 words per minute
Advisory: ENGL 156.
Introduces the basics of an electronic spreadsheet program. Includes naming cells and ranges, linking and embedding, using templates, and enhancing the worksheet.

Transfer: CSU.

172 PHOTOSHOP ELEMENTS

(Formerly CAOA 72)
4.0 hours per week: (2.5 hours lecture, 1.5 hours laboratory)
Associate Degree Applicable
Presents image-editing basics for amateur photographers and photo hobbyists. Provides tools and features for users to touch up and enhance photos from digital cameras or scanners; create original images with paintbrushes, textures and special effects; merge photos into panoramas; and other image editing tasks.

173 ADOBE ACROBAT

(Formerly CAOA 73)
4.0 hours per week: (2.5 hours lecture, 1.5 hours laboratory)
Associate Degree Applicable
Presents primary instruction in the use of Adobe Acrobat Professional. Students learn how to create Adobe PDF files from: Microsoft Office programs, popular authoring programs, image files and Web pages. In addition, students will learn reviewing and commenting on existing PDF files; customizing output quality by compressing and reducing file sizes; adding signatures and security to documents, converting paper forms to interactive online forms; creating multi-media presentations that include sound files. Course also teaches using Adobe Live Cycle Designer to create interactive forms from scratch.

193 COMPUTER APPLICATIONS/OFFICE ADMINISTRATION SPECIAL TOPIC

(Formerly CAOA 93)
4.0 to 0.5 hours per week
Associate Degree Applicable
Examines a special topic in the field of study related to the discipline offering this course.

193A LAW OFFICE PROCEDURES I

(Formerly CAOA 93A)
5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: ENGL 156 and ability to type 35 words per minute.
This course includes information concerning the general operations of a law office, introduces the terminology and procedures used in non-litigation matters, and helps with understanding the processes and paperwork involved in litigation.

193L INTRODUCTION TO PHOTOSHOP

(Formerly CAOA 93L)
3.0 hours lecture per week
Associate Degree Applicable

193O DREAMWEAVER 4 WEB PUBLISHING

(Formerly CAOA 93O)
5.0 hours lecture per week
Associate Degree Applicable

193P PHOTOSHOP ELEMENTS

(Formerly CAOA 93P)
4.0 hours per week: (2.5 hours lecture, 1.5 hours laboratory)
Associate Degree Applicable
520A  BEGINNING COMPUTER KEYBOARDING AND DOCUMENT PROCESSING  (0.0)
(Formerly CAOA 520A)
5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)
Advisory: ENGL 156.
Designed for all students whose keyboarding skill will be primary and/or secondary to their vocation and/or for personal use. Provides basic keyboarding skills by touch, using a microcomputer with a 10-key pad. Includes basic formatting instructions for letters, tables, and reports.

520B  INTERMEDIATE COMPUTER KEYBOARDING AND DOCUMENT PROCESSING  (0.0)
(Formerly CAOA 520B)
5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)
Advisory: CAOA 251A, CAOA 251B and CAOA 251C or CAOA 120A, CAOA 520A, CAOA 246 or ability to type 30 words per minute.
Designed for all students whose keyboarding skill will be primary and/or secondary to their vocation and/or personal use. Provides the primary purposes of building speed and accuracy and arranging letters, memos, reports, business forms and tables in proper format.

520S  SPEED AND ACCURACY COMPUTER KEYBOARDING  (0.0)
(Formerly CAOA 520S)
4.0 hours per week: (1.0 hour lecture, 3.0 hours laboratory)
Advisory: Ability to type 20 words per minute or successful completion of CAOA 120A.
Increases skills in typing speed and accuracy. Emphasizes keyboarding basics through keystroking analysis and corrective drills.

562  INTRODUCTION TO BEGINNING COMPUTER KEYBOARDING  (0.0)
(Formerly CAOA 562)
3.0 hours per week: (1.5 hours lecture, 1.5 hours laboratory)
Introduces typing fundamentals, machine functions, keyboard use, and speed and accuracy drills. Designed to develop a minimum typing speed of 20 words a minute.

COMPUTER INFORMATION SYSTEMS

201  INTRODUCTION TO COMPUTER SCIENCE  (3.0)
(Formerly CIS 1)
3.0 hours lecture per week
Associate Degree Applicable
Introduces students to the Computer Science discipline. Problem solving and using computers to solve problems. Introduction to computer programming and algorithmic thinking. Survey of the career field.
Transfer: CSU; UC.

210  INTRODUCTION TO COMPUTER APPLICATIONS  (4.0)
(Formerly CIS 10)
4.0 hours lecture per week
Associate Degree Applicable
Prerequisite: ENGL 156 or eligibility for ENGL 201A
Advisory: CAOA 120A, CAOA 162 or ability to type 25 words per minute.
Introduces computer terminology, relationship between hardware and software, computer operating systems and application software such as word processing, spreadsheet, database management programs, Web features, and linking between application programs.
Transfer: CSU; UC.

211  FORTRAN FOR SCIENTISTS AND ENGINEERS  (2.5)
(Formerly CIS 11)
4.0 hours per week: (2.0 hours lecture, 2.0 hours laboratory)
Associate Degree Applicable
Prerequisite: MATH 265A or equivalent
Presents the Fortran language for programming computers. Includes techniques for analyzing problems and devising algorithms for the computer solution of problems requiring the use of elementary algebraic concepts.
Transfer: CSU; UC.

212  BEGINNING COBOL PROGRAMMING  (3.0)
(Formerly CIS 12)
4.0 hours per week: (3.0 hours lecture, 1.0 hours laboratory)
Associate Degree Applicable
Prerequisite: MATH 123, MATH 123SI or equivalent
Presents an introduction to structured programming using the QUICK BASIC programming language. Includes techniques for analyzing problems and devising algorithms for the computer solution of problems requiring the use of elementary algebraic concepts.
Transfer: CSU.

213  BEGINNING BASIC PROGRAMMING  (3.0)
(Formerly CIS 14)
4.0 hours per week: (3.0 hours lecture, 1.0 hours laboratory)
Associate Degree Applicable
Prerequisite: MATH 123, MATH 123SI or equivalent
Presents an introduction to structured programming using the QUICK BASIC programming language. Includes techniques for analyzing problems and devising algorithms for the computer solution of problems requiring the use of elementary algebraic concepts.
Transfer: CSU; UC.

217  "C" PROGRAMMING LANGUAGE  (3.0)
(Formerly CIS 17)
4.0 hours per week: (3.0 hours lecture, 1.0 hours laboratory)
Associate Degree Applicable
Presents an introduction to structured programming using the ANSI "C" programming language. Includes techniques for analyzing problems and devising algorithms for the computer solution of problems requiring the use of elementary algebraic concepts.
Transfer: CSU; UC.

219  OBJECT ORIENTED PROGRAMMING - C++  (3.0)
(Formerly CIS 19)
4.0 hours per week: (3.0 hours lecture, 1.0 hours laboratory)
Associate Degree Applicable
This course presents the fundamental concepts of object oriented programming using the C++ language. The course includes techniques for problem analysis and software design with algorithmic problem solutions using basic procedural constructs. The course includes an introduction to simple data structures and their relation to software design.
Transfer: CSU; UC.

218  C# .NET PROGRAMMING  (3.0)
(Formerly CIS 21)
4.0 hours per week: (3.0 hours lecture, 1.0 hours laboratory)
Associate Degree Applicable
Advisory: CIS 217, or CIS 219, or CIS 231, or CIS 214.
Presents the fundamentals of the C# programming language and application development in the "DOT-NET" environment. Concepts include basic C# language syntax and structure, object-oriented design and programming, event handling, user interfaces, elementary data structures, and database connectivity.
Transfer: CSU; UC.

231  FUNDAMENTALS OF COMPUTER SCIENCE I  (4.0)
(Formerly CIS 31)
4.0 hours lecture per week
Associate Degree Applicable
Presents the fundamentals of an engineering approach to software development. Includes techniques for problem analysis and software design, implementation and verification. Includes algorithmic problem solv-
ing using basic procedural constructs and solving computational problems requiring an understanding of intermediate algebraic concepts. Introduction to object oriented programs, graphical user interfaces and software engineering.

Transfer: CSU; UC.

232  FUNDAMENTALS OF COMPUTER SCIENCE II  (2.0)
(Formerly CIS 32)
4.0 hours lecture per week
Associate Degree Applicable
Prerequisite: CIS 231
Continues the fundamentals of algorithmic problem solving and applications in the engineering of modern computer software using procedural and object-based methods and object oriented programming languages. Presents the principles of abstract data types, including the specification and implementation of simple abstractions such as tables, stacks, queues and lists. Includes basic searching and sorting algorithms and introduces the analysis of algorithms and recursion.

Transfer: CSU; UC (For UC, both CIS 232 and 233 must be completed in order to receive transfer units).

233  FUNDAMENTALS OF COMPUTER SCIENCE III  (2.0)
(Formerly CIS 33)
4.0 hours lecture per week
Associate Degree Applicable
Prerequisite: CIS 232
Co-requisite: CIS 241
Introduces advanced concepts including: theory, generic programming implementation, applications, and analysis of associated algorithms including lists, stacks, queues, hash tables, trees, and graphs, recursion, iteration, searching, and sorting algorithms and analysis.

Transfer: CSU; UC (For UC, both CIS 232 and 233 must be completed in order to receive transfer units).

240  MICROCOMPUTER ARCHITECTURE & PROGRAMMING  (3.0)
(Formerly CIS 40)
5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: CIS 217 or CIS 231
Advisory: MATH 124A and ENGR 219.
Presents basic microprocessor concepts including internal architecture, memory, addressing, and control through the use of assembly language. Students will write a variety of assembly language programs to perform logic functions and high speed hardware control operations. The use of assemblers, linkers, and debugging tools will be explored.

Transfer: CSU; UC.

241  DISCRETE STRUCTURES  (3.0)
(Formerly CIS 41)
3.0 hours lecture per week
Associate Degree Applicable
Prerequisite: MATH 229 and MATH 242 or Math 263 or High School equivalent
Introduction to structures of computer science: numbers, sets, relations, functions and trees. This course includes propositional and predicate logic, applications of predicate logic: preconditions, postconditions, invariants, guards; inductive proofs; applications to verification of algorithms; introduction to complexity of algorithms.

Transfer: CSU; UC.

247  INDEPENDENT STUDIES: COMPUTER & INFORMATIONAL SCIENCE  (2.0 to 0.5)
(Formerly CIS 47)
6.0 hours laboratory per week
Associate Degree Applicable
Prerequisite: The student must have completed preparatory course work in the field in which the study is to be undertaken.

Provides an opportunity for an in-depth study or a practicum experience by an individual student in a selected topic of computer and information science under the direction of an instructor.

Transfer: CSU.

251  INTRODUCTION TO WEB PUBLISHING: FRONTPAGE  (3.0)
(Formerly CIS 51)
5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Advisory: CIS 210
Overview of the fundamentals of web publishing. This course provides an understanding of web publishing issues and the internet as well as a thorough working knowledge of Microsoft FrontPage.

Transfer: CSU.

193  COMPUTER INFORMATION SYSTEMS SPECIAL TOPIC  (4.0 to 0.5)
(Formerly CIS 93)
Associate Degree Applicable
Examines a special topic in the field of study related to the discipline offering this course.

193A  COMPUTER & INFORMATION SCIENCE SPECIAL TOPIC: POWERPOINT  (0.5)
(Formerly CIS 93A)
0.5 hours lecture per week
Associate Degree Applicable
This course introduces the student to the functions of the PowerPoint program, enabling them to produce high-quality output for presentation to an audience. Same as OAT 93B.

193C  CISCO NETWORKING ACADEMY SEMESTER I  (3.0)
(Formerly CIS 93C)
32.0 hours per week: (24.0 hours lecture, 8.0 hours laboratory)
Associate Degree Applicable

193D  INTRODUCTION TO THE INTERNET AND PROGRAMMING  (1.0)
(Formerly CIS 93D)
12.0 hours per week: (3.0 hours lecture, 9.0 hours laboratory)
Associate Degree Applicable

193E  CISCO NETWORKING ACADEMY SEMESTER II  (3.0)
(Formerly CIS 93E)
32.0 hours per week: (24.0 hours lecture, 8.0 hours laboratory)
Associate Degree Applicable

193F  TEST PREP FOR INDUSTRY CERTIFICATION  (0.5)
(Formerly CIS 93F)
3.0 hours lecture per week
Associate Degree Applicable

106  SERVER-SIDE PROGRAMMING  (4.0)
(Formerly CIS 106)
12.0 hours per week: (3.0 hours lecture, 3.0 hours laboratory), 6.0 hours laboratory by arrangement
Associate Degree Applicable
Advisory: CIS 103 or 201
Emphasizes the creation of interactive internet applications using a server-side language. Topics include core features of the language, control structures, functions, arrays, form validation, regular expressions, and database-driven internet applications.

103  FUNDAMENTALS OF PROGRAMMING FOR THE INTERNET  (2.0)
(Formerly CIS 118)
6.0 hours per week: (3.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Presents concepts of writing computer programs for use on the Internet. Includes techniques for problem analysis, software design, implementation, and verification with particular reference to object-oriented programming.

111 INSTALLING AND MAINTAINING COMPUTER SOFTWARE (2.0)
(Formerly CIS 111)
6.0 hours per week: (3.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Presents the fundamentals of computer software installation and maintenance. Includes techniques for installing computer applications on various computer platforms. Students will learn how to install and upgrade personal computer software.

112 TROUBLESHOOTING COMPUTER APPLICATIONS (2.0)
(Formerly CIS 112)
6.0 hours per week: (3.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Presents the fundamentals of troubleshooting and repair of computer software. The course includes communication strategies and techniques for the diagnosis and repair of malfunctioning applications on various computer platforms. Includes the use of diagnostic tools and vendor services. Intended for students completing an Associate in Science degree in Computer Systems Technician program.

214 INTRODUCTION TO VISUAL BASIC (3.0)
(Formerly CIS 114)
5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: MATH 123, MATH 123SL or equivalent
Introduces programming skills necessary to create Microsoft Visual Basic desktop applications. Teaches how to build custom, multiple-form applications incorporating menus, status bars, and custom toolbars. Includes writing code for input field validation and debugging tools. Uses standard controls, control arrays, and create controls dynamically. Implements centralized error-handling in applications and creates setup programs to distribute applications.

Transfer: CSU.

115 VISUAL BASIC FOR INTERNET APPLICATIONS (3.0)
(Formerly CIS 115)
4.0 hours per week: (2.5 hours lecture, 1.5 hours laboratory)
Associate Degree Applicable
Advisory: CIS 214 or beginning programming language.
Introduces Visual Basic as a tool for creating interactive web pages and linking to business applications. Topics from elementary programming techniques to more advanced subjects such as Active Server Pages and Active Data Objects will be covered.

117 FUNDAMENTALS OF OBJECT-ORIENTED PROGRAMMING FOR TECHNICIANS (2.0)
(Formerly CIS 117)
6.0 hours per week: (3.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Presents concepts of computer programming using an object-oriented computer programming language. Includes techniques for problem analysis, software design, implementation, and verification with particular reference to object-oriented programming languages.

221 OPERATING SYSTEMS CONCEPTS (3.0)
(Formerly CIS 121)
5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Presents the fundamental structure and functions of computer operating systems: file systems, memory management, interprocess communication, resource scheduling, information sharing and protection. By using the Windows operating system as our principle example, students are prepared to take the Microsoft Certified Professional (MCP) Exam: Installing, Configuring, and Administering Windows.

Transfer: CSU.

122 INTRODUCTION TO LINUX (3.0)
(Formerly CIS 122)
5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Advisory: ETCI 253
Presents detailed coverage of operating system concepts and provides the hands-on training necessary for the installation, configuration, and maintenance of the Linux operating system. Subjects covered include file system management and applications support, print server administration, creating user accounts and user groups, networking protocols and TCP/IP networking services, system backup and troubleshooting.

123 MICROCOMPUTER PERIPHERALS (2.0)
(Formerly CIS 123)
6.0 hours per week: (3.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Present the fundamentals of computer peripheral devices. Students will learn how to install and troubleshoot various internal and external computer system components.

126 NETWORK OPERATING SYSTEMS CONCEPTS (4.0)
(Formerly CIS 126)
6.0 hours per week: (3.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: ETCI 253 or equivalent
Advisory: CIS 260
Presents the concepts and provides the hands-on training necessary for the installation, configuration, and maintenance of a network based computer operating system. Subjects covered include client operating system installation and configuration, network resource location and access using directory services, managing the configuration database (registry), file systems and applications support. Networking protocols and TCP/IP networking services are examined, along with the above topics, during extensive hands-on exercises on a laboratory network.

128 WINDOWS SERVER ADMINISTRATION (3.0)
(Formerly CIS 128)
5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: ETCI 253
Advisory: CIS 221
Provides the knowledge and skills necessary to perform network server configuration and administration tasks for a typical business network using the Windows Server operating system. Topics will include: configuring network resources, and Active Directory services, server performance optimization, backup strategies, auditing and monitoring network resources and events.

260 NETWORKING FUNDAMENTALS (2.0)
(Formerly CIS 130)
6.0 hours per week: (3.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Advisory: ETCI 253
Provides students with classroom and laboratory experience in current and emerging networking technology. Topics include network terminology and protocols, the OSI and TCP/IP networking models, network topologies and media access control techniques, local area networks (LAN’s) and internetworking devices (repeaters, hubs, switches, and routers). Special attention is paid to LAN configuration and operation, media types, and IP addressing schemes.
Transfer: CSU.
261  ROUTER THEORY AND TECHNOLOGY  (2.0)  
(Formerly CIS 131)  
6.0 hours per week: (3.0 hours lecture, 3.0 hours laboratory)  
Associate Degree Applicable  
Prerequisite: CIS 260  
A course on router technology, router configuration, dynamic routing, and routing protocols. Other topics include Ethernet, Token Ring, and Fiber Distributed Data Interface (FDDI) network architectures, and detailed coverage of Transport Control and Internetworking Protocols (TCP/IP). Students will perform router initialization, configuration, testing, and troubleshooting using console ports, over the network Telnet sessions, and Trivial File Transport Protocol (TFTP) servers.  
Transfer: CSU.  

62  ADVANCED ROUTING AND SWITCHING  (2.0)  
(Formerly CIS 132)  
6.0 hours per week: (3.0 hours lecture, 3.0 hours laboratory)  
Associate Degree Applicable  
Prerequisite: CIS 261  
Provides the knowledge and skills required to install, configure, and troubleshoot Microsoft SQL Server Enterprise Edition. MCP exam #70-228: Installing, Configuring, and Administering Microsoft SQL Server Enterprise Edition. Provides a solid understanding of what is going on behind the scenes of a Web Site. Coursework emphasizes Web Site structure, performance factors, Web Server maintenance, basic programming techniques, and scripting languages. Security issues such as daemons, auditing, IP spoofing and sniffing, firewalls, encryption, Java security, CGI security and viruses are covered.  
Transfer: CSU.  

263  WIDE AREA NETWORKING  (2.0)  
(Formerly CIS 133)  
6.0 hours per week: (3.0 hours lecture, 3.0 hours laboratory)  
Associate Degree Applicable  
Prerequisite: CIS 262  
Provides the study, design, and development of practical applications for the wood products industry. Includes partitions, face frame, carcase, and basic door and drawer construction used in the furniture industry. Covers operation of woodworking machines, tools and processes, techniques, and care and suitability of tools and machines.  
Transfer: CSU.  

235  COMPUTER SYSTEM SECURITY  (4.0)  
(Formerly CIS 135)  
6.0 hours per week: (3.0 hours lecture, 3.0 hours laboratory)  
Associate Degree Applicable  
Advisory: CIS 221 or CIS 122.  
Provides the knowledge and skills required to install, configure, administer, and troubleshoot Microsoft SQL Server 2000 client-server database management system. Topics include architecture, planning, upgrading, installation, file management, security, backup and restoration of the database, performance issues, constructing and using structured query language (SQL) statements, creating/transferring/deleting databases, and managing users.  
This course prepares students for the Microsoft Certified Professional (MCP) exam #70-228: Installing, Configuring, and Administering Microsoft SQL Server Enterprise Edition.  

143  WEB SITE ADMINISTRATION  (4.0)  
(Formerly CIS 143)  
6.0 hours per week: (3.0 hours lecture, 3.0 hours laboratory)  
Associate Degree Applicable  
Prerequisite: CIS 128 or equivalent  
Provides the knowledge and skills required to install, configure, and troubleshoot Microsoft SQL Server Enterprise Edition. MCP exam #70-228: Installing, Configuring, and Administering Microsoft SQL Server Enterprise Edition. Provides a solid understanding of what is going on behind the scenes of a Web Site. Coursework emphasizes Web Site structure, performance factors, Web Server maintenance, basic programming techniques, and scripting languages. Security issues such as daemons, auditing, IP spoofing and sniffing, firewalls, encryption, Java security, CGI security and viruses are covered.  
Transfer: CSU.  

247  INDEPENDENT STUDIES: CONSTRUCTION TECHNOLOGY  (2.0 to 0.5)  
(Formerly CTECH 47)  
6.0 hours laboratory per week  
Associate Degree Applicable  
Prerequisite: CIS 261  
Provides the knowledge and skills required to install, configure, and troubleshoot Microsoft SQL Server Enterprise Edition. MCP exam #70-228: Installing, Configuring, and Administering Microsoft SQL Server Enterprise Edition. Provides a solid understanding of what is going on behind the scenes of a Web Site. Coursework emphasizes Web Site structure, performance factors, Web Server maintenance, basic programming techniques, and scripting languages. Security issues such as daemons, auditing, IP spoofing and sniffing, firewalls, encryption, Java security, CGI security and viruses are covered.  
Transfer: CSU.  

250  INTRODUCTION TO CONSTRUCTION  (3.0)  
(Formerly CTECH 50)  
4.0 hours per week: (2.5 hours lecture, 1.5 hours laboratory)  
Associate Degree Applicable  
Advisory: ENGL 156 or ENGL 165.  
Provides the knowledge and skills required to install, configure, and troubleshoot Microsoft SQL Server Enterprise Edition. MCP exam #70-228: Installing, Configuring, and Administering Microsoft SQL Server Enterprise Edition. Provides a solid understanding of what is going on behind the scenes of a Web Site. Coursework emphasizes Web Site structure, performance factors, Web Server maintenance, basic programming techniques, and scripting languages. Security issues such as daemons, auditing, IP spoofing and sniffing, firewalls, encryption, Java security, CGI security and viruses are covered.  
Transfer: CSU.  

255  BASIC WOODWORKING  (3.0)  
(Formerly CTECH 55)  
5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)  
Associate Degree Applicable  
Prerequisite: CTECH 255  
Provides the study, design, and development of practical applications for the wood products industry. Includes partitions, face frame, carcass, and basic door and drawer construction used in the furniture industry. Covers operation of woodworking machines, tools and processes, techniques, and care and suitability of tools and machines.  
Transfer: CSU.  

156  MACHINE WOODWORKING/FURNITURE  (3.0)  
(Formerly CTECH 56)  
5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)  
Associate Degree Applicable  
Prerequisite: CTECH 255  
Provides the study, design, and development of practical applications for the wood products industry. Includes partitions, face frame, carcass, and basic door and drawer construction used in the furniture industry. Covers operation of woodworking machines, tools and processes, techniques, and care and suitability of tools and machines.  
Transfer: CSU.  

157  CABINET MAKING/32 MM EUROPEAN CONSTRUCTION  (3.0)  
(Formerly CTECH 57)  
5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)  
Associate Degree Applicable  
Prerequisite: CTECH 255  
Provides the knowledge and skills required to install, configure, and troubleshoot Microsoft SQL Server Enterprise Edition. MCP exam #70-228: Installing, Configuring, and Administering Microsoft SQL Server Enterprise Edition. Provides a solid understanding of what is going on behind the scenes of a Web Site. Coursework emphasizes Web Site structure, performance factors, Web Server maintenance, basic programming techniques, and scripting languages. Security issues such as daemons, auditing, IP spoofing and sniffing, firewalls, encryption, Java security, CGI security and viruses are covered.  
Transfer: CSU.  

141  DATABASE SYSTEM ADMINISTRATION  (4.0)  
(Formerly CIS 141)  
6.0 hours per week: (3.0 hours lecture, 3.0 hours laboratory)  
Associate Degree Applicable  
Prerequisite: CAOA 264  
Advisory: CIS 128.  
Provides the knowledge and skills required to install, configure, administer, and troubleshoot Microsoft SQL Server 2000 client-server database management system. Topics include architecture, planning, upgrading, installation, file management, security, backup and restoration of the database, performance issues, constructing and using structured query language (SQL) statements, creating/transferring/deleting databases, and managing users.  
This course prepares students for the Microsoft Certified Professional (MCP) exam #70-228: Installing, Configuring, and Administering Microsoft SQL Server Enterprise Edition.  

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ing. Includes European design and space utilization, European machinery, hardware, and the latest in European systems. Examines the influence of the 32mm system on the American cabinetmaking industry.

158 CABINET MAKING/FACE FRAME CONSTRUCTION (3.0)
(Formerly CTECH 58)
5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: CTC 255
Presents traditional face frame cabinet construction as applied in kitchens and bathrooms. Covers design, layout, and material analysis. Includes hands-on experience in carcass construction, face frames, partitions and construction of doors and drawers.

163 CONSTRUCTION MANAGEMENT (3.0)
(Formerly CTECH 63)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: ENGL 156 or ENGL 165.
Presents the principles and practices of construction management for small firms, with emphasis on marketing, cost accounting, job costing, ownership structure, financing, legal requirements, and construction bonding.

164 BLUEPRINT READING (3.0)
(Formerly CTECH 64)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: ENGL 156 or ENGL 165 and CTC 250.
Introduces basic skills in interpreting blueprints used in construction and interpreting requirements of a plan check. Covers architectural working drawings of residential, light construction, and commercial buildings. Provides an overview of building code provisions in a plan check.

165 BLOCK MASONRY (3.0)
(Formerly CTECH 65)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Introduces basic concrete block masonry skills. Includes manufacture, sizes and shape, installation techniques, basic plan reading, estimating, scaffolding, and concrete coring.

166 BRICK MASONRY (3.0)
(Formerly CTECH 66)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Advisory: CTC 165.
Provides lecture, demonstrations and training on the installation and uses of brick masonry, veneer fireplaces and cultured stone. Includes basic blueprint reading and estimating for masonry.

168 RESIDENTIAL PLUMBING (3.0)
(Formerly CTECH 68)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Introduces basic residential plumbing theory, installation techniques, plan reading and estimating methods.

169 RESIDENTIAL WIRING (3.0)
(Formerly CTECH 69)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Advisory: CTC 250.
Introduces basic residential wiring skills. Includes basic electrical theory, installation techniques, basic plan reading, estimating and wiring methods.

170 ADVANCED WOODWORKING (3.0)
(Formerly CTECH 70)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Prerequisite: CTC 255
Introduces advanced wood and cabinet making skills. Examines the types of woods, plywoods, and composites used in European and faceframe cabinet systems. Includes methods of fastening cabinet joints, cabinet design, and production techniques.

171A HOMEBUILDING - LAYOUT AND CONCRETE I (3.0)
(Formerly CTECH 71A)
12.0 hours per week: (4.0 hours lecture, 8.0 hours laboratory)
Associate Degree Applicable
Advisory: CTC 250.
Provides basic instruction in the skills required for employment in building construction. Includes instruction in tool, equipment, and construction site safety, surveying, blueprint reading, concrete formwork, backhoe operations, and concrete flatwork.

171B HOMEBUILDING - LAYOUT AND CONCRETE II (2.0)
(Formerly CTECH 71B)
10.0 hours laboratory per week
Associate Degree Applicable
Prerequisite: CTC 171A.
Provides instruction to develop speed and skill through repetition and increasing responsibility for employment in building layout and concrete construction.

172A HOMEBUILDING - FLOOR AND WALL FRAMING I (3.0)
(Formerly CTECH 72A)
12.0 hours per week: (4.0 hours lecture, 8.0 hours laboratory)
Associate Degree Applicable
Advisory: CTC 250.
Provides basic instruction in the skills required for employment in building construction. Includes instruction in rough carpentry, floor systems, wall framing, ceiling joists, exterior siding, shear walls, trusses, windows and roof sheathing, and fireplaces.

172B HOMEBUILDING - FLOOR AND WALL FRAMING II (2.0)
(Formerly CTECH 72B)
12.0 hours laboratory per week
Associate Degree Applicable
Prerequisite: CTC 172A.
Provides instruction to develop speed and skill through repetition and increasing responsibility, for employment in rough carpentry including floor systems, wall framing, exterior siding, shear walls, trusses, windows and roof sheathing, and fireplaces.

173A HOMEBUILDING - ROOF FRAMING I (3.0)
(Formerly CTECH 73A)
12.0 hours per week: (4.0 hours lecture, 8.0 hours laboratory)
Associate Degree Applicable
Advisory: CTC 250.
Introduces types of roof and stair systems, roofing, estimating live and dead loads, and specialized structural systems.

173B HOMEBUILDING - ROOF FRAMING II (2.0)
(Formerly CTECH 73B)
12.0 hours laboratory per week
Associate Degree Applicable
Prerequisite: CTC 173A.
Provides an opportunity to develop speed and skill in framing roof systems, stair systems and specialized structural systems.
174A HOMEBUILDING - FINISH CARPENTRY I
(Formerly CTECH 74A)
12.0 hours per week: (4.0 hours lecture, 8.0 hours laboratory)
Associate Degree Applicable
Advisory: CTCH 250.
Provides basic instruction in the skills required to install interior and exterior doors, cabinet systems, interior and exterior trim, including stair cases, wainscot, decks and railings. Also covers basic millwork and machine use for making special moldings.

174B HOMEBUILDING - FINISH CARPENTRY II
(Formerly CTECH 74B)
12.0 hours laboratory per week
Associate Degree Applicable
Prerequisite: CTCH 174A
Course provides an opportunity to develop speed and skill in installing doors, installing cabinets, installing base, window, closet and wall trim, decks, railings, and interior finish.

175 BASIC HEATING, REFRIGERATION AND AIR CONDITIONING
(Formerly CTECH 75)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: ENGL 156 or ENGL 165.
Introduces residential gas heating, commercial refrigeration, and residential air conditioning. Includes demonstrations and systematic problem solving of electrical and mechanical malfunction.

176 BASIC WATER TREATMENT
(Formerly CTECH 76)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: MATH 123 or MATH 123SI.
Prepares the student to become a Water Treatment Plant Operator, Grade 1 or Grade 2. Includes the study of plant operation, water sources and treatment, reservoir management, coagulation and flocculation, sedimentation, filtration, disinfection, taste and odor control, and corrosion control.

177 WATER DISTRIBUTION SYSTEMS
(Formerly CTECH 77)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: MATH 123 or MATH 123SI.
Prepares the student to be an operator for water storage and distribution systems. Provides an understanding of the basic operational and maintenance concepts of water distribution systems. Develops the ability to analyze and solve problems such as tastes and odors, corrosion damage, and system failures when they occur.

180A BUILDING CODE I, ARCHITECTURAL DESIGN PROVISIONS
(Formerly CTECH 80A)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: CTCH 250 and eligibility for ENGL 165.
Introduction to the Building Code, concentrating on the permit process and fundamental architectural design requirements involving occupancies, maximum allowable area, type of construction, proximity to property lines, existing, fire protection, disabled access, elevators, and construction safety. This course is the first in a series of two which will familiarize the student with building code provisions relating to the design and construction of residential and commercial structures. The emphasis will be on requirements which limit or specify the building space to be created.

180B BUILDING CODE II, STRUCTURAL DESIGN AND MATERIAL PROVISIONS
(Formerly CTECH 80B)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: CTCH 250.
Application of the Building Code, concentrating on basic structural requirements for wood, concrete, steel, and masonry construction. The course will cover code provisions for site preparation, foundations, roofing, and interior/exterior finish materials. This course is the second in a series of two which will familiarize the student with building code provisions relating to the design and construction of residential and commercial structures. The emphasis will be on requirements relating to the structural design of the building and the materials used to create the building space.

181 NATIONAL ELECTRICAL CODE
(Formerly CTECH 81)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: CTCH 169 and ENGL 156 or ENGL 165.
Introduces the use of the National Electrical Code. Promotes an understanding of the electrical code necessary to the installation of such systems and the need to safeguard the public through uniformity and safety in building laws.

182 UNIFORM PLUMBING AND MECHANICAL CODES
(Formerly CTECH 82)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: CTCH 250 and ENGL 156 or ENGL 165.
Introduces the use of the Uniform Plumbing and Mechanical Code. Promotes an understanding of the plumbing and mechanical codes necessary to the installation of plumbing and HVAC systems and the need to safeguard the public through uniformity and safety in building laws.

183A COMMERCIAL WIRING AND ELECTRICAL SYSTEMS
(Formerly CTECH 83A)
6.0 hours per week: (3.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: CTCH 169 or 2 years experience in the electrical field.
Presents planning, construction, and testing of a typical commercial electrical installation including: plans and specifications, applicable codes, load calculations, wire sizing, conduit fill analysis and bending, branch circuits, feeders, grounding practices, transient surge suppression, uninterruptible power supply selection and installation techniques. Course developed in conjunction with the California Apprenticeship Council’s standards for the State Electrical Certification Examination.

183B INDUSTRIAL WIRING AND ELECTRICAL SYSTEMS
(Formerly CTECH 83B)
6.0 hours per week: (3.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: CTCH 169 or 183A or 2 years experience in the electrical field.
Studies the responsibilities and knowledge required for professional industrial electricians working under current state certification requirements including: the industrial electrical service, power and lighting, feeder bus systems, panel boards, fiber optics and other high bandwidth data cabling systems, harmonics and filtering, hazardous locations, power factor, ballasts, transformers, switching systems, grounding and bonding, installation techniques, and applying code requirements to all aspects of industrial wiring systems. Course developed in conjunction with the California Apprenticeship Council’s standards for the State Electrical Certification Examination.
193 CONSTRUCTION TECHNOLOGY SPECIAL TOPIC (4.0 to 0.5)
(Formerly CTECH 93)
Associate Degree Applicable
Examines a special topic in the field of study related to the discipline offering this course.

193B ADVANCED FURNITURE MAKING (3.0)
(Formerly CTECH 93B)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Introduces advanced furniture making skills. Examines types of woods used in furniture making and includes methods of fastening furniture joints. Deals with bentwood, lath work, advanced machine set ups and furniture design.

193E SURVEY OF CONSTRUCTION (3.0)
(Formerly CTECH 93E)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Introduces advanced furniture making skills. Examines types of woods used in furniture making and includes methods of fastening furniture joints. Deals with bentwood, lath work, advanced machine set ups and furniture design.

195 TECHNICAL CAREER PREPARATION IN CONSTRUCTION (1.0)
(Formerly CTECH 95)
1.0 hours lecture per week
Associate Degree Applicable
Overview of construction careers with focus on preparing for the job market. Includes discussion of career opportunities in construction, both union and non-union. Focus on providing the tools necessary to target and obtain a position in the construction industry.

555 BASIC WOODWORKING (0.0)
(Formerly CTECH 555)
5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)
Prerequisite: CTCH 250.
Provides basic instruction in the skills required to install interior and exterior finish. Includes installation techniques, plan reading and estimating methods.

558 RESIDENTIAL PLUMBING (0.0)
(Formerly CTECH 568)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Provides basic instruction in the skills required to install interior and exterior finish. Includes installation techniques, plan reading and estimating methods.

568 RESIDENTIAL PLUMBING (0.0)
(Formerly CTECH 568)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Provides basic instruction in the skills required to install interior and exterior finish. Includes installation techniques, plan reading and estimating methods.

569 RESIDENTIAL WIRING (0.0)
(Formerly CTECH 569)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Advisory: CTCH 250.
Provides basic instruction in the skills required to install interior and exterior finish. Includes installation techniques, plan reading and estimating methods.

570 ADVANCED WOODWORKING (0.0)
(Formerly CTECH 570)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Prerequisite: CTCH 255, CTCH 555 or consent of instructor
Introduces advanced wood and cabinet making skills. Examines the types of woods, plywoods, and composites used in European and faceframe cabinet systems. Includes methods of fastening cabinet joints, cabinet design, and production techniques.
150 MATH ANXIETY (2.0)
(Formerly COUNS 50)
2.0 hours lecture per week
Associate Degree Applicable
Prerequisite: Completion of or concurrent enrollment in MATH 123, MATH 123S, or equivalent
Presents cognitive and behavioral techniques to reduce math anxiety as well as effective strategies for solving mathematical problems at the elementary algebra level.

152 ORIENTATION TO COLLEGE FOR RE-ENTRY STUDENTS (1.0)
(Formerly COUNS 52)
2.0 hours lecture per week
Associate Degree Applicable
Directed toward the adult re-entry student, 25 years or older. Presents self-exploration, goal setting, and developing a student education plan. Covers issues of time and stress management, value clarification, problem solving, decision making, college resources, and support systems.

156 STUDENT SUCCESS (1.0)
(Formerly COUNS 56)
2.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 156.
Assesses the student’s interests, skills, personality, values, and includes career research in a planning process. Applies assessment information to occupational possibilities and choice of college majors.
Transfer: CSU.

158 GREAT START TO COLLEGE (0.5)
(Formerly COUNS 58)
0.5 hours lecture per week
Associate Degree Applicable
Prerequisite: Completion of “Great Start” Assessment and Orientation Workshop
Advisory: ENGL 099.
Introduces new students to Cuesta College and prepares them for their first semester. Students attend a “Great Start” Assessment Testing and Orientation workshop to understand the requirements for their educational goal of transfer, Associate Degree or certificate, as well as policies and procedures of the college. Students participate in student success workshops and complete a Student Education Plan (SEP).

160 PLANNING FOR TRANSFER (0.5)
(Formerly COUNS 60)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: ENGL 156.
Designed to provide students with information and resources to facilitate a smooth transfer from Cuesta College to four year colleges and universities. Students learn to research transfer possibilities, find a school which fits their academic and personal needs, and develop a Student Educational Plan to plan transfer goal(s). transfer goal.

261 CAREER SKILLS AND JOB SHADOWING (1.0)
(Formerly COUNS 61)
2.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 156.
Introduces career readiness concepts through exploration of personal work attitudes and skills, study of job search techniques, and job shadowing experiences.
Transfer: CSU.

202 INTRODUCTION TO CRIMINAL JUSTICE (3.0)
(Formerly CJ 2)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: ENGL 156.
Presents the history, philosophy, and organization of the criminal justice system. Surveys criminal procedures and theories of crime, punishment, rehabilitation, and prevention. Reviews standards for professionalism in the system.
Transfer: CSU; UC.

204 PRINCIPLES AND PROCEDURES OF THE JUSTICE SYSTEM (3.0)
(Formerly CJ 4)
3.0 hours lecture per week
Associate Degree Applicable
Presents legal processes, responsibilities, and interrelationships of each component of the justice system. Includes a review of case and common law, pertinent court decisions, case methodology and research.
Transfer: CSU; UC.

206 CONCEPTS OF CRIMINAL LAW (3.0)
(Formerly CJ 6)
3.0 hours lecture per week
Associate Degree Applicable
Presents elements of the penal code and general laws about crimes against persons, property, standards of morality, and the state.
Transfer: CSU; UC.

208 LEGAL ASPECTS OF EVIDENCE (3.0)
(Formerly CJ 8)
3.0 hours lecture per week
Associate Degree Applicable
Presents kinds of evidence and principles of admissibility, witness competency, privileged communications, and hearsay. Includes the procedures to be followed in evidence collection and preservation.
Transfer: CSU.

210 PRINCIPLES OF INVESTIGATION (3.0)
(Formerly CJ 10)
3.0 hours lecture per week
Associate Degree Applicable
Presents investigation fundamentals of crime scene search, collecting/researching evidence, interviews and interrogation. Covers procedures used in investigating various kinds of criminal activity.
Transfer: CSU.

212 JUVENILE JUSTICE PROCEDURES (3.0)
(Formerly CJ 12)
3.0 hours lecture per week
Associate Degree Applicable
Presents the organization, functions, and jurisdiction of juvenile justice agencies. Covers juvenile processing and detention, case disposition, statutes, and court procedures.
213  CONCEPTS OF ENFORCEMENT SERVICES  (3.0)
(Formerly CJ 13)
3.0 hours lecture per week
Associate Degree Applicable
Presents concepts, responsibilities, and techniques of police patrol in handling ordinary police occurrences, including public service responsibilities.
Transfer: CSU.

224  POLICE-COMMUNITY RELATIONS  (3.0)
(Formerly CJ 24)
3.0 hours lecture per week
Associate Degree Applicable
Examines the interrelationships between criminal justice agencies and the community. Emphasizes a public service image, an understanding of ethnic groups, and skills in confrontations with the public during crises.
Transfer: CSU; UC.

193  CRIMINAL JUSTICE SPECIAL TOPIC  (4.0 to 0.5)
(Formerly CJ 93)
Associate Degree Applicable
Examines a special topic in the field of study related to the discipline offering this course.

CULINARY ARTS

210  CULINARY ARTS FUNDAMENTALS I  (2.5)
(Formerly CULART 10)
10.0 hours per week: (2.5 hours lecture, 7.5 hours laboratory)
Associate Degree Applicable
Introduces the student to the culinary arts profession and the professional kitchen. Emphasis on basic cooking methods, equipment use, and ingredients provides the student with a beginning understanding of food chemistry and cooking techniques. The course includes "hands-on" experience managing the dining room and kitchen in the production of stocks, soups, and breakfast cookery.
Transfer: CSU.

213  FOOD SERVICE SAFETY AND SANITATION  (3.0)
(Formerly CULART 13)
3.0 hours lecture per week
Associate Degree Applicable
Examines the principles of hygiene and sanitation and their application to food service operations. Emphasis is placed on the implementation of proper methods and procedures and the food handlers responsibility in maintaining high sanitation and safety standards.
Transfer: CSU.

220  CULINARY ARTS FUNDAMENTALS II  (1.5)
(Formerly CULART 20)
6.0 hours per week: (1.5 hours lecture, 4.5 hours laboratory)
Associate Degree Applicable
Prerequisite: CUL 210
Co-requisite: CUL 125
Engages the student in the practical kitchen application of vegetable, grain, starch and the principles and practices used in producing pantry items in a commercial environment. A variety of menu items are prepared including salads, salad dressings, sandwiches, and vegetable, grain and legume dishes.
Transfer: CSU.

125  BAKING AND BAKING SCIENCE I  (1.0)
(Formerly CULART 25)
4.0 hours per week: (1.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: CUL 210
Co-requisite: CUL 220
Introduces the student to the basic skills needed for professional baking. Enables the student to learn and practice the skills and methods of the production of bread, desserts, and other baked goods using quantity production techniques.

220  CULINARY ARTS FUNDAMENTALS II  (1.5)
(Formerly CULART 20)
6.0 hours per week: (1.5 hours lecture, 4.5 hours laboratory)
Associate Degree Applicable
Prerequisite: CUL 210
Co-requisite: CUL 125
Engages the student in the practical kitchen application of vegetable, grain, starch and the principles and practices used in producing pantry items in a commercial environment. A variety of menu items are prepared including salads, salad dressings, sandwiches, and vegetable, grain and legume dishes.
Transfer: CSU.
252 DANCE CULTURES OF THE WORLD (3.0)
(Formerly DANCE 52)
3.0 hours lecture per week
Associate Degree Applicable
An introductory overview to some of the major dance traditions of the world. Emphasis is on why people dance, how they dance and why they dance the way they do. The particular forms may vary each semester but may include: African, Asian, Native American, Flamenco, Hawaiian and primitive dance.
Transfer: CSU; UC.

254 INTRODUCTION TO DANCE (1.0 to 0.5)
(Formerly DANCE 54)
3.0 hours laboratory per week
Associate Degree Applicable
Introduces the technique, history and choreography of the three major dance forms: ballet, jazz dance, and modern dance. Includes a final performance.
Transfer: CSU; UC.

255 BALLET (1.0 to 0.5)
(Formerly DANCE 55)
3.0 hours laboratory per week
Associate Degree Applicable
Beginning Ballet: Introduces classical ballet. Develops alignment, turnout, muscular control, grace, flexibility, five basic positions, terminology, and rhythm. "Intermediate Ballet": Reviews fundamentals of ballet techniques with increased complexity and introducing additional movement vocabulary. Development of strength in feet by means of exercises on demi-point, development of stability and strength in legs by increasing the number of movements covered. Development of technique by executing the movements in a faster tempo.
Transfer: CSU; UC.

256 JAZZ DANCE (1.0 to 0.5)
(Formerly DANCE 56)
3.0 hours laboratory per week
Associate Degree Applicable
Introduces jazz dance techniques including phrasing, performance, technique, choreography, and the presentation of simple dance.
Transfer: CSU; UC.

258 DANCE CHOREOGRAPHY AND PERFORMANCE (2.0)
(Formerly DANCE 58)
6.0 hours laboratory per week
Associate Degree Applicable
Presents basic dance techniques and choreography as they apply to dance production. Requires rehearsal and performance of selected student and/or faculty pieces. Presents choreography and dance production experience in a professional stage setting to broaden and expand comprehension of dance as an artistic and commercial form of expression.
Transfer: CSU; UC.

260A MODERN DANCE, BEGINNING (1.0)
(Formerly DANCE 60A)
3.0 hours laboratory per week
Associate Degree Applicable
Presents beginning Modern Dance techniques, theory and processes. Includes technique practice focusing on the fundamentals of time, space and energy, exploration of anatomically efficient dance forms and preparation for individual expression through class performance.
Transfer: CSU; UC.
260B MODERN DANCE, INTERMEDIATE (1.0)
(Formerly DANCE 60B)
3.0 hours laboratory per week
Associate Degree Applicable
Presents intermediate Modern Dance techniques, theory and processes. Includes technique practice focusing on the fundamentals of time, space and energy, exploration of anatomically efficient dance forms and preparation for individual expression through class performance.
Transfer: CSU; UC.

260C MODERN DANCE, ADVANCED (1.0)
(Formerly DANCE 60C)
3.0 hours laboratory per week
Associate Degree Applicable
Presents advanced Modern Dance techniques, theory and processes. Includes technique practice focusing on the fundamentals of time, space and energy, exploration of anatomically efficient dance forms and preparation for individual expression through class performance.
Transfer: CSU.

270 DANCE PILATES (1.0 to 0.5)
(Formerly DANCE 70)
3.0 hours laboratory per week
Associate Degree Applicable
Advisory: Successful completion of a health screening examination.
Presents the technique of the Pilates method as a supportive conditioning practice for dance. The exercises encompass strength and flexibility components while focusing on alignment, efficiency of movement, balance and coordination as it pertains to dancers and their specific needs.
Transfer: CSU.

193A DANCE IMPROVISATION AND COMPOSITION (1.0)
(Formerly DANCE 93A)
3.0 hours laboratory per week
Associate Degree Applicable
Advisory: Successful completion of a health screening examination.

110 ORAL BIOLOGY (3.0)
(Formerly DH 20)
4.0 hours per week: (2.5 hours lecture, 1.5 hours laboratory)
Associate Degree Applicable
Prerequisite: Admittance into the dental hygiene program
Co-requisite: DH 111
Presents the embryology and histology of oral structural formation, clinical recognition of normal oral structures, the physiological and structural functions of teeth and supporting tissues, and oral anatomy relative to proper dental hygiene procedures.

111 ORAL RADIOLOGY (3.0)
(Formerly DH 11)
5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: Admittance into the dental hygiene program
Co-requisite: DH 112
Fundamentals of radiation equipment and avoidance of exposure hazards along with clinical application of procedures involved in exposing, processing, preparing and interpreting dental radiographs.

112 HEAD AND NECK ANATOMY (2.0)
(Formerly DH 12)
3.0 hours per week: (1.5 hours lecture, 1.5 hours laboratory)
Associate Degree Applicable
Prerequisite: Admittance into the dental hygiene program
Co-requisite: DH 113
Studies the anatomical structures of the head and neck regions and relates these structures to the clinical practice of dental hygiene.

113 DENTAL HEALTH EDUCATION (2.0)
(Formerly DH 13)
2.0 hours lecture per week
Associate Degree Applicable
Prerequisite: Admittance into the dental hygiene program
Co-requisite: DH 114
Teaches the principles and practices of prevention and control of dental disease with emphasis on nutrition, plaque control, patient motivation and chairside education.

114 INTRODUCTION TO CLINIC (4.0)
(Formerly DH 14)
8.0 hours per week: (2.0 hours lecture, 6.0 hours laboratory)
Associate Degree Applicable
Prerequisite: Admittance into the dental hygiene program
Co-requisite: DH 110
Introduction to all clinical procedures and skills needed for dental hygiene assessment, treatment planning and basic instrumentation.

120 LOCAL ANESTHESIA AND NITROUS OXIDE (2.0)
(Formerly DH 20)
4.0 hours per week: (1.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: DH 110 and/or admission to the dental hygiene program
Co-requisite: DH 121
Covers the pharmacology and physiology of local anesthetic agents and effective technique in delivery of these agents to the oral cavity. Focuses on the anatomy of the nerves, physiology of nerve conduction, and how anesthesia works. Discusses the prevention and management of associated emergencies. Skills are practiced in a clinical setting on student partners.

121 GENERAL AND ORAL PATHOLOGY (4.0)
(Formerly DH 21)
4.0 hours lecture per week
Associate Degree Applicable
Prerequisite: DH 110 and/or admission to the dental hygiene program
Co-requisite: DH 122
Explains pathological processes of inflammation, immunology defense, degeneration, neoplasm, developmental disorders, healing and repair. Recognition of abnormalities in the human body with a special emphasis on normal and abnormal conditions in the oral cavity.

122 PATIENT MANAGEMENT AND GERIATRICS (2.0)
(Formerly DH 22)
2.0 hours lecture per week
Associate Degree Applicable
Prerequisite: DH 110 and/or admission to the dental hygiene program
Co-requisite: DH 123
Teaches characteristics of individual patients, motivation, and management of same and interpersonal communication. Treatment of the compromised patient and myofunctional therapy is presented.

123 CLINICAL PRACTICE I (3.0)
(Formerly DH 23)
9.0 hours laboratory per week
Associate Degree Applicable
Prerequisite: DH 110 and/or admission to the dental hygiene program
Co-requisite: DH 124
Provides beginning clinical experience in the treatment of adult and child patient. Various clinical procedures utilizing scaling and polishing techniques, oral inspection, cancer screening, dental and periodontal charting, principles of ultrasonic scaling, plaque control instruction and fluoride application are applied.
Cuesta College

124 CLINICAL PRACTICE SEMINAR I (2.0)
(Formerly DH 24)
2.0 hours lecture per week
Associate Degree Applicable
Prerequisite: DH 110 and/or admission to the dental hygiene program
Corequisite: DH 125
Provides an expanded learning opportunity to discuss actual clinic patient cases from simple to complex. An actual comprehensive treatment plan is developed along with a portfolio of patient cases. Discussions of emergency preparedness and instrumentation selection and maintenance decisions while in the clinic setting will also be addressed.

125 NUTRITION IN DENTISTRY (2.0)
(Formerly DH 25)
2.0 hours lecture per week
Associate Degree Applicable
Prerequisite: DH 110 and/or admission to the dental hygiene program
Corequisite: DH 120
Provides the basic principles of nutrition and their relationship to dental health. To teach students to perform dietary surveys on clinic patients and to plan nutritional dietary programs.

130 PERIODONTICS I (3.0)
(Formerly DH 30)
3.0 hours lecture per week
Associate Degree Applicable
Prerequisite: DH 120 and/or admission to the dental hygiene program
Corequisite: DH 131
Teaches identification of the normal periodontium and recognition of deviations from normal: the etiology and principles of periodontal diseases, examination procedures, treatment and preventative measures.

131 PHARMACOLOGY (2.0)
(Formerly DH 31)
2.0 hours lecture per week
Associate Degree Applicable
Prerequisite: DH 120 and/or admission to the dental hygiene program
Corequisite: DH 131
Teaches pharmacology as it affects the clinical practice of dentistry. Emphasizes drugs commonly used in dentistry, for treatment of common systemic and oral diseases, and for emergency treatment: effects, administration, and toxicity. Builds on basic and dental sciences and prepares for clinical dental hygiene practice.

132 DENTAL MATERIALS (2.0)
(Formerly DH 32)
3.0 hours lecture per week: (1.5 hours lecture, 1.5 hours laboratory)
Associate Degree Applicable
Prerequisite: DH 120 and/or admission to the dental hygiene program
Corequisite: DH 132
Presents the history, composition, chemical and physical properties and use of materials commonly utilized in the dental laboratory and dental operator. Provides laboratory experience in performing common dental laboratory procedures.

133 ADVANCED CLINICAL TOPICS (2.0)
(Formerly DH 33)
3.0 hours lecture per week: (1.5 hours lecture, 1.5 hours laboratory)
Associate Degree Applicable
Prerequisite: DH 120 and/or admission to the dental hygiene program
Corequisite: DH 134
Teaches advanced clinical skills and topics for periodontally involved and implant patients. New technologies in the field of dentistry are discussed.

134 CLINICAL PRACTICE II (4.0)
(Formerly DH 34)
12.0 hours laboratory per week
Associate Degree Applicable
Prerequisite: DH 120 and/or admission to the dental hygiene program
Corequisite: DH 135
Applies advanced skills of dental hygiene. Assessment and treatment are practiced on patients in a clinical setting, with emphasis on planning and comprehensive treatment. Expands on the procedures and techniques introduced in previous preclinical and clinical courses.

135 CLINICAL PRACTICE SEMINAR II (1.0)
(Formerly DH 35)
1.0 hours lecture per week
Associate Degree Applicable
Prerequisite: DH 120 and/or admission to the dental hygiene program
Corequisite: DH 130
Provides an expanded learning experience through discussion of dental hygiene care for the culturally diverse, tobacco cessation counseling, and seminar study of clinical cases.

140 PERIODONTICS II (1.0)
(Formerly DH 40)
1.0 hours lecture per week
Associate Degree Applicable
Prerequisite: DH 120 and/or admission to the dental hygiene program
Corequisite: DH 141
Increases the assessment skills and treatment planning for patients with advanced periodontal disease.

141 PRACTICE AND FINANCIAL MANAGEMENT (1.0)
(Formerly DH 41)
1.0 hours lecture per week
Associate Degree Applicable
Prerequisite: DH 120 and/or admission to the dental hygiene program
Corequisite: DH 142

142 CLINICAL PRACTICE III (4.0)
(Formerly DH 42)
12.0 hours laboratory per week
Associate Degree Applicable
Prerequisite: DH 120 and/or admission to the dental hygiene program
Corequisite: DH 143
Provides the opportunity to become more proficient in the clinical skills learned and practiced in previous clinical courses and to prepare them for success on their state and national board examinations.

143 CLINICAL PRACTICE SEMINAR III (2.0)
(Formerly DH 43)
4.0 hours per week: (1.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: DH 120 and/or admission to the dental hygiene program
Corequisite: DH 144
Provides an expanded opportunity to learn and practice advanced instrumentation techniques, intraoral photography, video equipment use and evaluate dental products within the standards of the American Dental Association "seal of acceptance".

144 COMMUNITY ORAL HEALTH (2.0)
(Formerly DH 44)
2.0 hours lecture per week
Associate Degree Applicable
Prerequisite: DH 130 and/or admission to the dental hygiene program
Corequisite: DH 145
Introduces students to the principles and practices of dental public health. Emphasis is placed on the role of the dental hygienist as an innovator of, and an educator in community health programs. Public health issues will be discussed. Additionally, emphasis will be placed on teaching and presentation techniques to target populations ranging from preschool to elderly. Students will design lessons plans on a variety of dental health topics and present dental health education to a designated target group.

145 ETHICS AND JURISPRUDENCE (2.0)  
(Formerly DH 45)  
2.0 hours lecture per week  
Associate Degree Applicable  
Prerequisite: DH 130 and/or admission to the dental hygiene program  
Corequisite: DH 140  
Teaches the fundamentals necessary to be employed and practice within the ethical and legal framework of the state dental practice act and the code of ethics of the American Dental Association.

DRAMA

201A PRINCIPLES OF ACTING (3.0)  
(Formerly DRA 1A)  
5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)  
Associate Degree Applicable  
Advisory: Eligibility for ENGL 156.  
Explores each person's creative artistic expression and emphasizes the study of acting as a discipline. The fundamental techniques of acting are explored by analyzing plays with an emphasis on the actor's approach to personal awareness, characterization, and the performer's relationship to all parts of the play's production.  
Transfer: CSU; UC.

201B PRINCIPLES OF ACTING (3.0)  
(Formerly DRA 1B)  
5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)  
Associate Degree Applicable  
Prerequisite: DRA 201A, DRA 248 or DRA 252  
Continues the study of the theory and practice of acting with special emphasis on styles and forms of acting.  
Transfer: CSU; UC.

202 APPLIED PRINCIPLES OF ACTING (3.0)  
(Formerly DRA 2)  
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)  
Associate Degree Applicable  
Prerequisite: DRA 201A  
Presents experience in ensemble interaction within the framework of dramatic works. Provides an opportunity to perform in workshop scenes and to present a program of short dramatic works for an audience.  
Transfer: CSU; UC.

205 INTRODUCTION TO DRAMATIC LITERATURE (3.0)  
(Formerly DRA 5)  
3.0 hours lecture per week  
Associate Degree Applicable  
Advisory: Eligibility for ENGL 201A.  
Surveys the development of the world theatre from Greek drama to the present time as observed in the reading of representative plays. Introduces the playwrights, works, conventions, and traditions of important movements in the history of the theatre.  
Transfer: CSU; UC.

206 THEATRE APPRECIATION (3.0)  
(Formerly DRA 6)  
3.0 hours lecture per week  
Associate Degree Applicable  
Advisory: Completion of or concurrent enrollment in ENGL 156.  
A study of the combined elements of theatre through examination of current and classical plays with special emphasis on dramatic analysis and cultural significance for non-drama majors. Also provides background in various technical aspects of production and in the skills and talents required to successfully produce both plays and musicals.  
Transfer: CSU; UC (For UC, maximum credit one course between DRA 206 and 207).

207 INTRODUCTION TO THE THEATRE (3.0)  
(Formerly DRA 7)  
3.0 hours lecture per week  
Associate Degree Applicable  
Advisory: Eligibility for ENGL 201A.  
Introduces theatre and related crafts such as costuming, lighting, and theatre architecture. Emphasizes awareness of components constituting an artistic entity and the ability to objectively evaluate a professional or non-professional performance.  
Transfer: CSU; UC (For UC, maximum credit one course between DRA 206 and 207).

208 VOICE FOR THE ACTOR (3.0)  
(Formerly DRA 8)  
3.0 hours lecture per week  
Associate Degree Applicable  
Advisory: DRA 201A.  
Designed to (1) improve natural, clear, unaffected speech, and (2) eliminate negative habits and regional accents: exercises for physical tension, vocal support, tone production, vocal quality, and articulation.  
Transfer: CSU; UC.

211A STAGECRAFT (3.0)  
(Formerly DRA 11A)  
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)  
Associate Degree Applicable  
Introduces theatre shop equipment and basic construction techniques needed for design fabrication, and finishing of stage scenery and props.  
Transfer: CSU; UC.

211B ADVANCED STAGECRAFT (3.0)  
(Formerly DRA 11B)  
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)  
Associate Degree Applicable  
Prerequisite: DRA 211A  
Continues the study of theatre shop equipment and basic construction techniques needed for design fabrication, and finishing of stage scenery and props.  
Transfer: CSU; UC.

215 INTRODUCTION TO STAGE MOVEMENT (3.0)  
(Formerly DRA 15)  
3.0 hours lecture per week  
Associate Degree Applicable  
Introduces the student to various aspects of stage movement, including choreography, blocking, stage combat, mime, and character work. Develops students' awareness of the expressive nature of the human body and how to use the body as a tool for creating a character.  
Transfer: CSU; UC.

218 MAIN STYLES IN FILMS (3.0)  
(Formerly DRA 18)  
3.0 hours lecture per week  
Associate Degree Applicable  
Advisory: ENGL 201A.  
Traces the main currents in American and British films by means of the various movie genres and the representative films. Explores the conventions and aesthetic standards for the Western, mystery, comedy, musical, and science fiction of motion pictures.  
Transfer: CSU; UC.
221  ACTING FOR THE CAMERA  (3.0)
(Formerly DRA 21)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Prepares students to present themselves in a professional manner for the
camera. Voice, appearance, movement and the technical aspects of cam-
era performance will be covered through comprehensive exercises and on-
camera evaluation.
Transfer: CSU.

222  DIRECTING FOR THE CAMERA  (3.0)
(Formerly DRA 22)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Introduces students to the art and craft of directing for the camera.
Develops skills in pre-visualizing, pre-production, and executing success-
ful shooting sessions. Prepares students to effectively work with actors and
other crew members.
Transfer: CSU.

247  INDEPENDENT STUDIES: DRAMA  (2.0 to 0.5)
(Formerly DRA 47)
6.0 hours laboratory per week
Associate Degree Applicable
Provides an opportunity for an in-depth study or practicum experience by
an individual student in a selected topic of drama, under the direction of
an instructor.
Transfer: CSU.

248  PLAY PRODUCTION  (3.0)
(Formerly DRA 48)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Prerequisite: Eligibility for ENGL 156
Studies the techniques involved in the production of dramatic works.
Emphasizes directing, acting, stagecraft, costuming, make-up, public-
ity, and stage lighting. Students must complete a major production
responsibility.
Transfer: CSU; UC.

250  MUSICAL THEATRE WORKSHOP  (3.0)
(Formerly DRA 50)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Prerequisite: Audition is required and previous choral experience is recommended.
Develops the students’ skills for performance in musical theatre, including
singing, acting, stage movement and choreography. Public performance
may be required. Same as MUS 250.
Transfer: CSU; UC.

251  MUSICAL THEATRE PERFORMANCE  (3.0)
(Formerly DRA 51)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Prerequisite: Completion of or concurrent enrollment in DRA 250 or MUS 250
and/or audition
Advisory: Eligibility for ENGL 156
Studies the techniques involved in the production of a full-length musical
with emphasis on acting, singing, dancing, costuming, makeup, stagecraft,
and publicity. Produces one musical each semester. Public performance
will be required. Same as MUS 251.
Transfer: CSU; UC.

252  WRITING, DIRECTING, AND ACTING FOR THEATRE  (3.0)
(Formerly DRA 52)
7.0 hours per week: (1.0 hours lecture, 6.0 hours laboratory)
Associate Degree Applicable
Advisory: Eligibility for ENGL 156.

253  PHOTOGRAPHY  (3.0)
(Formerly DRA 53)
4.0 hours per week: (1.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: Eligibility for ENGL 156
Prepares students to present themselves in a professional manner for the
camera. Voice, appearance, movement and the technical aspects of cam-
era performance will be covered through comprehensive exercises and on-
camera evaluation.
Transfer: CSU.

193  DRAMA SPECIAL TOPIC  (4.0 to 0.5)
(Formerly DRA 93)
Associate Degree Applicable
Examines a special topic in the field of study related to the discipline of-
fering this course.

193D  PLAYWRITING  (2.0)
(Formerly DRA 93D)
3.0 hours per week: (1.5 hours lecture, 1.5 hours laboratory)
Associate Degree Applicable

193E  IMPROVISATIONAL PERFORMANCE  (2.0 to 1.0)
(Formerly DRA 93E)
4.0 hours per week: (1.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable

201  CHILD GROWTH AND DEVELOPMENT  (3.0)
(Formerly ECE 1)
3.0 hours lecture per week
Associate Degree Applicable
Prerequisite: ENGL 156
Examines a study of human development from conception to adolescence.
Examines cognitive, language, physical, social, and emotional develop-
ment, both typical and atypical. Fosters the understanding of human be-
avior and self-awareness. Meets Title XXII requirements, DS 1.
Transfer: CSU; UC.

202  CHILD, FAMILY AND COMMUNITY  (3.0)
(Formerly ECE 2)
3.0 hours lecture per week
Associate Degree Applicable
Prerequisite: ENGL 156
Studies patterns of family living in contemporary society, emphasizing the
varying roles and interaction of family members and factors which affect
family life. Discusses cultural, social, economic, racial, and ethnic differ-
ences. Focuses on the developing child and emphasizes the influences of
family and community. Same as FMST 202. Meets Title XXII require-
ments, DS 2.
Transfer: CSU; UC.

203  CURRICULUM FOR YOUNG CHILDREN  (3.0)
(Formerly ECE 3)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 156.
Explores creative activities and experiences in language/literacy, math/ma-
ipulatives, sciencing/discovery, social science, creative expression, music
and drama. Integrates developmentally appropriate practices based upon
theory that influences children's learning. Meets 3 units required for the
Child Development Permit and Title XXII requirements: DS 3.
Transfer: CSU.

204  CHILD HEALTH SAFETY AND NUTRITION  (3.0)
(Formerly ECE 4)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: ENGL 156.
Explores the interrelated roles of the home, the school, and the com-
unity in meeting the health, safety, and nutritional needs of the young
205 PRINCIPLES AND PRACTICES OF TEACHING YOUNG CHILDREN
(Formerly ECE 5)
(3.0)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: Concurrent enrollment in ECE 206 is highly recommended.
Provides an overview of Early Childhood Education, educational requirements, compensation for teachers in California, and developmentally appropriate curriculum planning and teaching methods. This course reviews the historical roots of early childhood programs and the evolution of the practices promoting advocacy, professional ethics and identity.
Transfer: CSU.

206 OBSERVATION, RECORDING TECHNIQUES AND ASSESSMENT
(Formerly ECE 6)
(3.0)
5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Advisory: Concurrent enrollment in ECE 205 is highly recommended.
Explores techniques in observing, recording, and assessing the development and behavior of children. Anecdotal records, checklists, rating systems, and multiple assessment strategies will be explored. Meets 3 units required for the Child Development Permit.
Transfer: CSU.

207 GUIDANCE OF THE YOUNG CHILD
(Formerly ECE 7)
(3.0)
3.0 hours lecture per week
Associate Degree Applicable
Prerequisite: ECE 205
Corequisite: ECE 208
Presents the theories of behavior and development of the young child. The social, emotional, intellectual, moral and physical development of the young child will be examined in relation to guidance in the Early Childhood classroom. Meets Title XXII requirements: DS 3.
Transfer: CSU.

208 PRACTICUM: GUIDANCE OF THE YOUNG CHILD
(Formerly ECE 8)
(3.0)
7.0 hours per week: (1.0 hours lecture, 6.0 hours laboratory)
Associate Degree Applicable
Prerequisite: ECE 206 and Department of Social Services Title XXII, Section 101215B requires current TB clearance
Corequisite: ECE 207
Presents an opportunity for observation of and interaction with young children in order to study their behavior and development. Guidance techniques will be applied through supervised practical experience in a preschool setting. Meets Title XXII requirements: DS 3.
Transfer: CSU.

209 GUIDANCE, CURRICULUM AND ENVIRONMENTS
(Formerly ECE 9)
(3.0)
3.0 hours lecture per week
Associate Degree Applicable
Prerequisite: ECE 203 and ECE 205
Corequisite: ECE 210
Advisory: ENGL 156
Presents the principles of behavior and development that inform effective guidance, classroom management, curriculum, and learning environments. Analyzes the sources of curriculum and methodologies used in planning, presenting and assessing learning experiences and classroom ecologies. Meets Title XXII requirements: DS 3.
Transfer: CSU.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Description</th>
<th>Prerequisites</th>
<th>Transfer</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>220</td>
<td>ART FOR CHILDREN</td>
<td>(3.0)</td>
<td>Presents the study of the developmental sequence of children's art and the teaching implications for children from age two through age eight with an emphasis on creative expression, aesthetic development, cultural and art heritage. Introduces a variety of media including drawing, painting, collage, printmaking, clay, assemblage, mask and puppet making. Meets Title XXII requirements: DS 3, DS 5.</td>
<td><em>(Formerly ECE 20)</em></td>
<td>CSU</td>
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<tr>
<td>222</td>
<td>CRAFTS FOR SCHOOL AGE CHILDREN</td>
<td>(3.0)</td>
<td>Presents the universal nature of crafts including their historical origins and current applications. Introduces a variety of crafts appropriate for school age children including weaving, dyes, embroidery and applique, quilting, candle making, jewelry and paper creations.</td>
<td><em>(Formerly ECE 22)</em></td>
<td>CSU</td>
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<tr>
<td>234</td>
<td>CHILDREN’S LITERATURE</td>
<td>(3.0)</td>
<td>Presents a survey of literature for children from infancy through elementary school with an emphasis on a diversity perspective. Introduces the genre: picture books, traditional literature, fantasy, poetry, historical fiction, realistic fiction, biography and informational books. Emphasizes understanding, analysis, appreciation and application through an in-depth examination of a variety of children's books. Meets Title XXII requirements: DS3, DS5.</td>
<td><em>(Formerly ECE 34)</em></td>
<td>CSU</td>
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<tr>
<td>135</td>
<td>STRATEGIES FOR CHALLENGING BEHAVIORS IN THE ECE CLASSROOM</td>
<td>(3.0)</td>
<td>Presents the study of the developmental sequence of children's art and the teaching implications for children from age two through age eight with an emphasis on creative expression, aesthetic development, cultural and art heritage. Introduces a variety of media including drawing, painting, collage, printmaking, clay, assemblage, mask and puppet making. Meets Title XXII requirements: DS 3, DS 5.</td>
<td><em>(Formerly ECE 35)</em></td>
<td>CSU</td>
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<tr>
<td>242A</td>
<td>INFANT-TODDLER CAREGIVING MODULE I</td>
<td>(0.5)</td>
<td>Presents theories, techniques, and guidelines for the appropriate care, nurturing and guidance of infants and toddlers. Examines the principles of caregiving for infants and toddlers, caregiving routines and group care, caregiving as curriculum, and cross cultural communication.</td>
<td><em>(Formerly ECE 42A)</em></td>
<td>CSU</td>
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<tr>
<td>242B</td>
<td>INFANT-TODDLER CAREGIVING MODULE II</td>
<td>(0.5)</td>
<td>Presents theories, techniques, and guidelines for the appropriate care, nurturing and guidance of infants and toddlers. Examines the principles of caregiving for infants and toddlers, caregiving routines and group care, caregiving as curriculum, and cross cultural communication.</td>
<td><em>(Formerly ECE 42B)</em></td>
<td>CSU</td>
<td></td>
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<tr>
<td>242C</td>
<td>INFANT-TODDLER CAREGIVING MODULE III</td>
<td>(0.5)</td>
<td>Presents theories, techniques, and guidelines for the appropriate care, nurturing and guidance of infants and toddlers. Examines the principles of caregiving for infants and toddlers, caregiving routines and group care, caregiving as curriculum, and cross cultural communication.</td>
<td><em>(Formerly ECE 42C)</em></td>
<td>CSU</td>
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<td>242D</td>
<td>INFANT-TODDLER CAREGIVING MODULE IV</td>
<td>(0.5)</td>
<td>Presents theories, techniques, and guidelines for the appropriate care, nurturing and guidance of infants and toddlers. Examines the principles of caregiving for infants and toddlers, caregiving routines and group care, caregiving as curriculum, and cross cultural communication.</td>
<td><em>(Formerly ECE 42D)</em></td>
<td>CSU</td>
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<td>242E</td>
<td>INFANT-TODDLER CAREGIVING MODULE V</td>
<td>(0.5)</td>
<td>Presents theories, techniques, and guidelines for the appropriate care, nurturing and guidance of infants and toddlers. Examines the principles of caregiving for infants and toddlers, caregiving routines and group care, caregiving as curriculum, and cross cultural communication.</td>
<td><em>(Formerly ECE 42E)</em></td>
<td>CSU</td>
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<td>242F</td>
<td>INFANT-TODDLER CAREGIVING MODULE VI</td>
<td>(0.5)</td>
<td>Presents theories, techniques, and guidelines for the appropriate care, nurturing and guidance of infants and toddlers. Examines the principles of caregiving for infants and toddlers, caregiving routines and group care, caregiving as curriculum, and cross cultural communication.</td>
<td><em>(Formerly ECE 42F)</em></td>
<td>CSU</td>
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Cuesta College 2008-2009 Catalog
245  ADULT SUPERVISION, EVALUATION AND STAFF RELATIONS IN ECE (3.0)
(Formerly ECE 45)
3.0 hours lecture per week
Associate Degree Applicable
Prerequisite: ECE 207 or one year of Early Childhood Education teaching experience.
Explores the interdependent relationship between the teacher and the parent(s) of a young child. Investigates the wide range of activities in parent involvement, parent participation, and parent education in early childhood education. Presents techniques for working with parent(s), including: development of long-range plans, interview and guidance skills, and the ability to work with small and large groups. Meets Title XXII requirements: DS 6 Basic.
Transfer: CSU.

246  ADMINISTRATION AND SUPERVISION OF EARLY CHILDHOOD SCHOOLS (3.0)
(Formerly ECE 46)
3.0 hours lecture per week
Associate Degree Applicable
Prerequisite: ECE 244 or ECE 245
Presents principles and practices in supervision and management of preschools, child care centers, and other programs. Includes the study of program planning, organizing, budgeting requirements, developing personnel policy, doing record keeping, following legal requirements and establishing relationships with community, parents, and regulatory agencies. Meets Title XXII requirements: DS 6 Advanced.
Transfer: CSU.

247  INDEPENDENT STUDIES: EARLY CHILDHOOD EDUCATION (2.0 to 0.5)
(Formerly ECE 47)
6.0 hours laboratory per week
Associate Degree Applicable
Prerequisite: The student must have completed preparatory course work in the field in which the study is to be undertaken.
Provides an opportunity for an in-depth study or a practicum experience by an individual student in a selected topic of early childhood education under the direction of an instructor.
Transfer: CSU.

150  EARLY CHILDHOOD EDUCATION SEMINAR (3.0 to 0.5)
(Formerly ECE 50)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 156
Examines current issues in the field of early childhood education affecting children from infancy through age twelve. Meets Title XXII requirements: DS 3, DS 5.

151  FUNDAMENTALS OF CHILD GROWTH AND DEVELOPMENT (2.0)
(Formerly ECE 51)
2.0 hours lecture per week
Associate Degree Applicable
Presents a study of human development from conception to adolescence. Examines cognitive, language, moral, physical, social, and emotional development, both typical and atypical. Fosters the understanding of human behavior and self-awareness.

152  ORIENTATION TO CHILD CARE AND DEVELOPMENT PROGRAMS (1.0)
(Formerly ECE 52)
1.0 hours lecture per week
Associate Degree Applicable
Presents an overview of center based child care and development programs, philosophies, hours of operation, regulatory laws, licensing and permit regulations. Introduces child care as a profession with a career ladder for advancement: The California Child Development Permit.

153  KEY CONCEPTS IN OBSERVING AND RECORDING (1.0)
(Formerly ECE 53)
1.0 hours lecture per week
Associate Degree Applicable
Explores key concepts in observing and recording the development and behavior of children. Includes observation techniques, types of observations, and analysis of observations.

154  ESSENTIALS OF CHILD SAFETY, HEALTH AND NUTRITION (1.0)
(Formerly ECE 54)
1.0 hours lecture per week
Associate Degree Applicable
Presents an overview of children’s safety, health, and nutritional needs in group care situations. Physical safety, emergency preparedness, prevention of infectious diseases, and nutrition will be addressed. Meets Title XXII requirements for health and safety training (other than pediatric CPR and first aid).

155  INTRODUCTION TO CHILD, FAMILY, SCHOOL AND COMMUNITY (2.0)
(Formerly ECE 55)
2.0 hours lecture per week
Associate Degree Applicable
Introduces family living patterns in contemporary society, emphasizing the influences of the family and community on the developing child. Presents the interaction of family members and factors both in and outside the family that affect family life. Studies economic, social, cultural, ethnic, and racial differences.

256  DISCIPLINE AND CLASSROOM MANAGEMENT (3.0)
(Formerly ECE 56)
3.0 hours lecture per week
Associate Degree Applicable
Presents developmentally appropriate techniques for guiding young children’s behavior in an early childhood education setting. Common developmental guidance problems will be explored as well as schedules, routines and general classroom management.
Transfer: CSU.
166  FAMILY CHILD CARE: FOCUS ON THE FAMILY  (1.0)
(Formerly ECE 67)
1.0 hours lecture per week
Associate Degree Applicable
This course is one of a series designed to promote and enhance quality in family child care. The focus of the course is on the families in family child care: both the client's and the provider's. Topics include: diversity, parenting styles, provider family concerns, client family concerns, and creating successful relationships.

167  FAMILY CHILD CARE: FOCUS ON THE CHILDREN  (1.0)
(Formerly ECE 66)
1.0 hours lecture per week
Associate Degree Applicable
This course is one of a series designed to promote and enhance quality in family child care. The focus of the course is on the children in family child care: both the client's and the provider's. Topics include: diversity, parenting styles, provider family concerns, client family concerns, and creating successful relationships.

158  SUPERVISED FIELD EXPERIENCE  (3.0)
(Formerly ECE 58)
7.0 hours per week: (1.0 hours lecture, 6.0 hours laboratory)
Associate Degree Applicable
Prerequisite: ECE 203 and Department of Social Services Title XXII, Section 1012168 requires current TB clearance.
Advisory: ENGL 156.
Applies curriculum planning to create a learning environment appropriate for young children. Provides for observation of and interaction with children including planning and implementing developmentally appropriate activities. The emphasis will be on using a diversity/anti-bias perspective to meet the needs of individual children and children as a group. Provides supervised practical experience in a child development lab/Children's Center.

159  TEACHING RESOURCE MATERIALS  (1.0)
(Formerly ECE 59)
3.0 hours laboratory per week
Associate Degree Applicable
Advisory: ECE 203
Provides an opportunity to create teaching materials for use with young children using a diversity/anti-bias approach. Explores themes and a webbing approach to describe developmentally appropriate activities in all areas of the curriculum. Includes creating lesson plans that meet the cognitive, social, emotional, creative and physical needs of children.

164  FAMILY CHILD CARE: FOCUS ON THE PROVIDER  (1.0)
(Formerly ECE 64)
1.0 hours lecture per week
Associate Degree Applicable
This course is one of a series designed to promote and enhance quality in family child care. The focus of the course is on the provider: identifying characteristics of the successful provider, practicing effective communication skills, developing strategies to avoid stress and burnout and professionalism in family child care.

165  FAMILY CHILD CARE: FOCUS ON THE BUSINESS  (1.0)
(Formerly ECE 65)
1.0 hours lecture per week
Associate Degree Applicable
This course is one of a series designed to promote and enhance quality in family child care. The focus of this course is on the business aspects of family child care. Topics covered include: professional support systems, resources for small businesses, developing a business plan, marketing strategies and ongoing operating procedures.
193I  FAMILY CHILD CARE: ACCREDITATION  (0.5)
(Formerly ECE 93I)
4.5 hours lecture per week
Associate Degree Applicable

193J  COMMUNICATION SKILLS FOR EARLY CHILDHOOD EDUCATION MAJORS  (1.0)
(Formerly ECE 93J)
1.0 hours lecture per week
Associate Degree Applicable

ECONOMICS

201A  PRINCIPLES OF ECONOMICS  (3.0)
(Formerly ECON 1A)
3.0 hours lecture per week
Associate Degree Applicable
Prerequisite: MATH 123, MATH 123SI or equivalent
Advisory: Eligibility for ENGL 156.
Introduces the concepts and tools of macroeconomic analysis, especially as they apply to the United States economy. Includes the economizing problem; resource allocation between the private and public sectors; national income determination; fiscal and monetary policies as they relate to business cycles; and alternative views of Keynesians, Monetarists and supply-siders as they relate to solving economic problems.
Transfer: CSU; UC.

201B  PRINCIPLES OF ECONOMICS  (3.0)
(Formerly ECON 1B)
3.0 hours lecture per week
Associate Degree Applicable
Prerequisite: MATH 123 or MATH 123SI
Advisory: ECON 201A.
Presents a continuation of ECON 201A with emphasis on the concepts and tools of microeconomic analysis as they pertain to the economics of the firm and resource allocation; current economic problems such as antitrust regulations, rural economics, urban economics, income distribution, the radical critique; international economics and the world economy.
Transfer: CSU; UC.

211  GLOBAL ECONOMICS  (3.0)
(Formerly ECON 11)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: ECON 201A.
Examines international trade patterns and the underlying economic theory. Issues to be investigated include trade policies, the emergence of developing nations, and international mobility. Included will be an exploration of past and present international financial relations.
Transfer: CSU; UC.

247  INDEPENDENT STUDIES: ECONOMICS  (2.0 to 0.5)
(Formerly ECON 47)
6.0 hours laboratory per week
Associate Degree Applicable
Prerequisite: The student must have completed preparatory course work in the field in which the study is to be undertaken.
Provides an opportunity for an in-depth study or a practicum experience by an individual student in a selected topic of Economics under the direction of an instructor.
Transfer: CSU.

193  ECONOMICS SPECIAL TOPIC  (4.0 to 0.5)
(Formerly ECON 93)
Associate Degree Applicable
Examines a special topic in the field of study related to the discipline offering this course.

193A  FACILITATOR ASSISTED LEARNING PRACTICUM: ECONOMICS 1A  (1.0)
(Formerly ECON 93A)
1.0 hours lecture per week
Associate Degree Applicable

401  HSD NON-CREDIT BASIC SKILLS ECONOMICS  (0.0)
(Formerly ECON 401)
20.0 hours lecture per week
This is an elective course towards a high school diploma. Students will study microeconomics, macroeconomics, and international economic relationships. The course will equip the student with both the vocabulary and the technical knowledge needed for an understanding of economic issues, both in the media and at the collegiate level of study. The course will also provide the student with information and analytical tools useful in developing a personal system of values in regard to economic issues.

EDUCATIONAL SERVICES

120  EDUCATIONAL SERVICES EDUCATION SEMINAR  (8.0 to 0.5)
(Formerly EDSSER 120)
8.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 156.
Examines current issues in the field of study relating to the educational program sponsoring the training/workshop seminar.

ELECTRONICS TECHNOLOGY

110  INTRODUCTION TO ROBOTICS  (2.0)
(Formerly ELTECH 10)
4.0 hours per week: (1.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: MATH 123 or MATH 123SI
Advisory: MATH 124A.
Introduces basic principles of robot operation, applications, and programming. Students will analyze basic robot configurations and industrial applications, as well as proper uses, safety and workplace environment. Students will configure trainer robots for various applications, and program them with script language for process automation. Team robot design and competition will integrate many of the course concepts.

113  INTRODUCTION TO ELECTRONICS  (3.0)
(Formerly ELTECH 13)
3.0 hours lecture per week
Associate Degree Applicable
Prerequisite: MATH 123 or MATH 123SI
Advisory: MATH 124A.
Introduces fundamental topics in electricity and electronics. Principles and theory of DC and AC electronics are studied with heavy emphasis on basic concepts. Circuit analysis, test, measurement, and troubleshooting methods will be studied using computer simulation software.

114  INTRODUCTION TO TECHNOLOGY  (1.0)
(Formerly ELTECH 14)
1.0 hours lecture per week
Associate Degree Applicable
Prerequisite: The student must have completed preparatory course work in the field in which the study is to be undertaken.
Provides an opportunity for an in-depth study or a practicum experience by an individual student in a selected topic of Engineering and Technology under the direction of an instructor.
Transfer: CSU.

015  COMPUTER MAINTENANCE SEMINAR  (2.0)
(Formerly ELTECH 15)
36.0 hours lecture per week
Associate Degree Non-Applicable
Prepares the student for the “A+” computer service technician certification. The course covers basic concepts of computer maintenance.

EDUCATIONAL SERVICES

120  EDUCATIONAL SERVICES EDUCATION SEMINAR  (8.0 to 0.5)
(Formerly EDSSER 120)
8.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 156.
Examines current issues in the field of study relating to the educational program sponsoring the training/workshop seminar.
Troubleshooting techniques, fault isolation, software configuration, hardware configuration, and PC maintenance will be some of the topics addressed.

128 PROGRAMMABLE LOGIC CONTROLLER SEMINAR (1.0)
(Formerly ELTECH 28)
18.0 hours lecture per week
Associate Degree Applicable
Advisory: ETCH 213 or equivalent.
Course includes basic topics related to Programmable Logic Controllers (PLC). Topics include a discussion of the PLC’s purpose, basic operation, functions, and applications.

130L TECHNICAL PHYSICS LAB (1.0)
(Formerly ELTECH 30L)
3.0 hours laboratory per week
Associate Degree Applicable
Prerequisite: MATH 123 or MATH 124A
Corequisite: PHYS 130
Presents applied physics concepts and experiments that support Technical Physics (PHYS 130) lecture material. The experiments form the basis of a well-balanced course in physics for the student who plans a career in a technical or vocational field. Experiments cover topics such as measurement systems, acceleration, friction, forces, work, levels, gears, simple machines, gas laws, pressure, volume, flow, heat, and waves. Physics concepts will be taught using industrial equipment whenever practical to show relationship between real world applications and physical laws.

193 ELECTRONICS TECHNOLOGY SPECIAL TOPIC (4.0 to 0.5)
(Formerly ELTECH 93)
Associate Degree Applicable
Examines a special topic in the field of study related to the discipline offering this course.

193B INTRODUCTION TO TECHNOLOGY (1.0)
(Formerly ELTECH 93B)
1.0 hours lecture per week
Associate Degree Applicable
Examines a special topic in the field of study related to the discipline offering this course.

193C INTRODUCTION TO TECHNOLOGY FIELD TRIP (1.0)
(Formerly ELTECH 93C)
18.0 hours lecture per week
Associate Degree Applicable
Examines a special topic in the field of study related to the discipline offering this course.

193D UNDERSTANDING OSHA POLICIES AND PROCEDURES (0.5)
(Formerly ELTECH 93D)
9.0 hours lecture per week
Associate Degree Applicable
Examines a special topic in the field of study related to the discipline offering this course.

198 TECHNICAL CAREER PREPARATION IN ELECTRONICS (1.0)
(Formerly ELTECH 98)
1.0 hours lecture per week
Associate Degree Applicable
Overview of electronics careers with focus on preparing for the job market. Discusses discussion of career opportunities in electronics, both union and non-union. Focus on providing the tools necessary to target and obtain a position in the electronics industry.

111 LABORATORY TECHNIQUES I (1.0)
(Formerly ELTECH 111)
6.0 hours laboratory per week
Associate Degree Applicable
Presents safety instruction for industrial situations, schematic interpretation, test equipment utilization, and circuit construction. Signal generators, test meters and oscilloscopes will be used. Students also will learn circuit board production techniques including soldering.

213 ELECTRONICS FUNDAMENTALS (6.0)
(Formerly ELTECH 113)
8.0 hours per week: (5.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: Completion of or concurrent enrollment in MATH 123, MATH 127 or MATH 127SI
Introduces a broad range of topics in electricity and electronics. Fundamentals of DC, AC, transistors, and digital logic are all addressed with heavy emphasis on basic concepts. Circuit analysis methods and troubleshooting will be studied using a hands-on approach.
Transfer: CSU.

215 ANALOG DEVICES (2.0)
(Formerly ELTECH 115)
6.0 hours per week: (3.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: ETCH 224
Advisory: ETCH 213
Provides an opportunity for in-depth study or practicum experience by an individual student in a selected topic in the Electronics Technology area with support and direction from an instructor.
Transfer: CSU.

216 DIGITAL CIRCUITS (4.0)
(Formerly ELTECH 116)
6.0 hours per week: (3.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: ETCH 113 and ETCH 111 or ETCH 213
Introduces fundamental concepts in: transistor amplifiers, silicon controlled rectifiers, and op-amp circuits. Class and lab projects will include the building and troubleshooting of circuits using both schematic/simulator tools and actual hardware.
Transfer: CSU.

218 WIRELESS NETWORK COMMUNICATION AND ADMINISTRATION (4.0)
(Formerly ELTECH 118)
6.0 hours per week: (3.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Advisory: ETCH 213
Includes topics related to wireless networking and communications that address the Certified Wireless Network Administrator (CWNA) certification. This is an introductory course with broad exposure to the wireless communication field. General coverage of wireless transmissions, wireless network administration, and wireless connectivity will be addressed.
Transfer: CSU.
220 MICROCOMPUTER ARCHITECTURE AND PROGRAMMING (2.0)  
(Formerly ELTECH 120)  
4.0 hours per week: (1.0 hour lecture, 3.0 hours laboratory)  
Associate Degree Applicable  
Advisory: CIS 214 and ETCH 216.  
Prerequisite: ETCH 213  
Topics include basic microprocessor concepts including internal architecture, memory, addressing, and control through the use of assembly language. Students will write a variety of assembly language programs to perform logic functions and hardware control operations. The use of assemblers, linkers, and debugging tools will be explored.  
Transfer: CSU.

122 LOGICAL TROUBLESHOOTING TECHNIQUES (2.0)  
(Formerly ELTECH 122)  
6.0 hours per week: (3.0 hours lecture, 3.0 hours laboratory)  
Associate Degree Applicable  
Prerequisite: ETCH 213  
Advisory: ETCH 224.  
Topics include basic troubleshooting techniques at both the system and component levels. Covers logical and systematic troubleshooting processes; interpretation of block diagrams, flow charts, and schematics for use in fault isolation; determining signal flow paths in schematic diagrams; fault isolation methods such as bracketing, and half splitting; fault isolation in parallel systems and multiple channel systems; troubleshooting tools and techniques using: extender boards, chip clips, jumpers, piggyback IC’s, and applications of heat and cold.

224 INDUSTRIAL ELECTRONICS (4.0)  
(Formerly ELTECH 124)  
6.0 hours per week: (3.0 hours lecture, 3.0 hours laboratory)  
Associate Degree Applicable  
Prerequisite: ETCH 113 and ETCH 111 or ETCH 213  
Advisory: ETCH 216.  
Course includes basic topics related to industrial electronics. A brief review of analog circuits is expanded upon to develop more advanced circuit concepts. Topics include FET’s, SCR’s, basic components involved in motor control, DC and AC motors, and their controller circuits will be covered. Operational amplifiers will be covered, and their applications to sensor instrumentation. Transducers and applications to various sensors for heat, flow, force, etc. will be developed. Troubleshooting techniques for the above topics will be incorporated with each section.  
Transfer: CSU.

227 FLUID AND PNEUMATIC TECHNOLOGY (4.0)  
(Formerly ELTECH 127)  
6.0 hours per week: (3.0 hours lecture, 3.0 hours laboratory)  
Associate Degree Applicable  
Advisory: PHYS 210.  
Presents basic topics related to fluid and pneumatic systems and devices. Basic physics relating to fluid hydraulics and pneumatics will lead into applied topics such as tanks, pumps, pump filters, accumulators, actuators, valves, compressors, and pressure regulators. Some advanced topics such as accumulator circuits, directional control valves, sequencers, accumulator circuits, directional control valves, sequencers, pilots and solenoid controlled valves, and servo flow controlled valves will be addressed.  
Transfer: CSU.

228 PROGRAMMABLE LOGIC CONTROLLERS (4.0)  
(Formerly ELTECH 128)  
6.0 hours per week: (3.0 hours lecture, 3.0 hours laboratory)  
Associate Degree Applicable  
Prerequisite: ETCH 213  
Course includes basic topics related to Programmable Logic Controllers (PLC). Topics include a discussion of the PLC’s purpose, basic operation, functions, and applications. PLC architecture and hardware will be investigated including I/O structures and configurations, central processing unit, and power supplies. PLC programming basics including relay ladder logic, extended relay instructions, timers and counters, math functions, data and bit manipulation will be studied. Programs will be written and debugged in a laboratory environment that interface to electromechanical, hydraulic, and pneumatic equipment. PLC peripherals and accessories will also be studied.  
Transfer: CSU.

235 ROBOTICS TECHNOLOGY (4.0)  
(Formerly ELTECH 135)  
6.0 hours per week: (3.0 hours lecture, 3.0 hours laboratory)  
Associate Degree Applicable  
Advisory: CIS 213, ETCH 213 and PHYS 130.  
Prerequisite: ETCH 213 and ETCH 224.  
Introduces the history and use of robots in industry. Standard arm configurations and hardware including principles of path control, motion sensing, speed and position control, and servo-actuators are examined. Control and automation programming into an integrated manufacturing system for quality control. Broader CIM concepts of Just In Time (JIT) control, and automation programming into an integrated manufacturing setting. Control of manufacturing processes by both centralized and distributed computer systems will be studied. The manufacturing processes using CAD design, CAM implementation and finished CNC product, will be integrated into a robotic assembly line utilizing a vision inspection system for quality control. Broader CIM concepts of Just In Time (JIT) manufacturing of products using CNC machines will be applied to lab experiments.

138 NUMERICAL CONTROL SYSTEMS (2.5)  
(Formerly ELTECH 138)  
5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)  
Associate Degree Applicable  
Advisory: CIS 213 or CIS 214.  
Prerequisite: CIS 213 and ENGR 226.  
Students will study CAD and CAM software and its application to manufacturing processes. Software will be utilized to design components that will be produced on CNC machinery. The basics of CNC hardware and operation, as well as programming will be studied. The mathematics of controlling tool paths, the integration of software and hardware, and the manufacturing of products using CNC machines will be applied to lab experiments.  
Transfer: CSU.

239 COMPUTER NUMERICAL CONTROLS (3.0)  
(Formerly ELTECH 139)  
5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)  
Associate Degree Applicable  
Advisory: CIS 213 and ENGR 226.  
Presents basic concepts in CAD and CAM software and its application to manufacturing processes. Software will be utilized to design components that will be produced on CNC machinery. The basics of CNC hardware and operation, as well as programming in one, two, and three dimensions will be studied. The mathematics of controlling tool paths, the integration of software and hardware, and the manufacturing of products using CNC machines will be applied to lab experiments. CNC as a component of Computer Integrated Manufacturing will also be addressed.  
Transfer: CSU.

144 COMPUTER INTEGRATED MANUFACTURING (2.0)  
(Formerly ELTECH 144)  
6.0 hours per week: (3.0 hours lecture, 3.0 hours laboratory)  
Associate Degree Applicable  
Advisory: ETCH 228 and ETCH 235.  
Prerequisite: ETCH 113  
This course combines the concepts of robotics, computer numerical control, and automation programming into an integrated manufacturing setting. Control of manufacturing processes by both centralized and distributed computer systems will be studied. The manufacturing processes using CAD design, CAM implementation and finished CNC product, will be integrated into a robotic assembly line utilizing a vision inspection system for quality control. Broader CIM concepts of Just In Time (JIT)
testing of network cabling and terminations using conductivity, bandwidth, attenuation, and time domain reflectivity will be explored.

Transfer: CSU.

256 FIBER NETWORK CABLING CERTIFICATION
(Formerly ELTECH 156)
3.0 hours per week: (1.5 hours lecture, 1.5 hours laboratory)
Associate Degree Applicable
Advisory: ETCH 213, MATH 123.

Presents network connectivity subjects including multi-level BICSI certification topics: Shielded copper cabling and terminations; fiber optic theory, cabling, and termination techniques. Grounding and bonding, performance testing, and inspection of copper and fiber systems will also be covered.

Transfer: CSU.

257 COMPUTER INSTRUMENTATION AND CONTROL
(Formerly ELTECH 157)
6.0 hours per week: (3.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Advisory: ETCH 224.

Course includes topics related to basic process instrumentation and control developed in conjunction with Pacific Gas and Electric’s (PG&E’s) I&C technician training program. A brief review of industrial electronics is expanded upon to develop more advanced process instrumentation and control concepts. Topics include advanced applications of components used in both DC and AC motor control, recorders, control valves and actuators, temperature sensors, pressure sensors, pressure sensors, level sensors, flow sensors and instrumentation maintenance techniques.

Transfer: CSU.

160 ALARM SYSTEMS
(Formerly ELTECH 160)
3.0 hours per week: (1.5 hours lecture, 1.5 hours laboratory)
Associate Degree Applicable

Presents installation requirements, operation and maintenance of both security intrusion and fire alarm systems. The student will be able to safely install, operate and maintain systems to meet relevant codes and standards.

Transfer: CSU.

267 POWER SYSTEMS AND ROTATING ELECTRICAL MACHINERY
(Formerly ELTECH 167)
6.0 hours per week: (3.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Advisory: ELTECH 224.

Course includes topics related to fundamental industrial electrical maintenance training developed in conjunction with Pacific Gas and Electric’s Electrical Maintenance Training Program. A brief review of electrical theory and practical troubleshooting is expanded upon to develop comprehensive electrical power system concepts. Topics include power drawings and circuit diagrams, grounding-cabling and conduit, meters, power transformers, circuit protection, relays, rotating electrical machinery, electrical testing equipment, bolting practices, controllers, safety and fire protection.

Transfer: CSU.

EMERGENCY MEDICAL SERVICES

201 EMERGENCY MEDICAL TECHNICIAN I
(Formerly EMS 1)
7.0 hours per week: (6.0 hours lecture, 1.0 hours laboratory)
Associate Degree Applicable
Prerequisite: California Code of Regulations, Title 22 Section 100066 (2) requires verifying CPR training equivalent to the American Heart Association's Guidelines at the Healthcare Provider level.

Advisory: Eligibility for ENGL 156.

Presents the techniques of emergency medical care presently consid-
ered within the responsibilities of the Emergency Medical Technician 1. Includes laboratory practice of selected skills. Students must be 18 years of age or older to be certified.

Transfer: CSU.

102 EMERGENCY MEDICAL TECHNICIAN I REFRESHER (1.5)
(Formerly EMS 2)
7.0 hours lecture per week
Associate Degree Applicable
Prerequisite: Emergency Medical Technician 1 certificate
Reviews and updates knowledge and skills required to qualify for the State of California Emergency Medical Technician Level 1 certification. EMT Basic certificate and social security numbers will need to be received in the nursing office in order to register online for this course.

103 HAZARDOUS MATERIALS FIRST RESPONDER OPERATIONAL (1.5)
(Formerly EMS 3)
9.0 hours lecture per week
Associate Degree Applicable
Focus is safety in hazardous materials response as an emergency respond-er. After successful completion of this course, the student will receive a California State certificate for Hazardous Materials First Responder Operational level. The CA Certification meets the requirements of Title 8 CCR Sec. 5192 (q) and is required by emergency providers. A certification fee is required prior to completion of the course.

104 EMERGENCY VEHICLE OPERATORS - AMBULANCE (0.5)
(Formerly EMS 4)
5.5 hours per week: (4.0 hours lecture, 1.5 hours laboratory)
Associate Degree Applicable
Prerequisite: Valid CA driver’s license and be 18 years or older.
Presents ambulance operators with knowledge and skills to operate vehicles so that vehicle, equipment, crew, and patients will be delivered safely and efficiently. The safety of the public will be assured during all phases of the delivery of Emergency Medical Services (EMS) involving the ambulance.

106 PARAMEDIC THEORY (14.0)
(Formerly EMS 6)
22.0 hours per week: (10.0 hours lecture, 12.0 hours laboratory)
Associate Degree Applicable
Prerequisite: Program admission.
Applies advanced life support training in the emergency medical services career structure covering all techniques of anatomy and physiology. Includes cardiovascular, respiratory, pediatric, OB/GYN and traumatic emergency training. This course meets the minimum 450 hours of the 1090 minimum hours required to complete paramedic training in the state of California. Course content is based on the guidelines and authority of the Title 22, Division 9, of the California Code or regulations and the US Department of Transportation Emergency Medical Technician-Paramedic Standard National Curriculum.

107 PARAMEDIC CLINICAL (6.0)
(Formerly EMS 7)
12.0 hours per week: (3.0 hours lecture, 9.0 hours laboratory)
Associate Degree Applicable
Prerequisite: EMS 106
Prerequisite: Advanced Cardiac Life Support, Basic Trauma Life Support, Pediatric Advanced Life Support
Develops advance life support concepts with the clinical application of cognitive knowledge and skills in the acute patient care area for the paramedic student. Opportunities for increasing depth of skill performance and presentation of more advanced skills are provided. This phase extends the theory discussion of EMS 5 with special events and operations.

108 PARAMEDIC INTERN (9.0)
(Formerly EMS 8)
27.0 hours laboratory per week
Associate Degree Applicable
Prerequisite: Completion of or Concurrent enrollment in EMS 107
Application of the third and final phase of paramedic training, which allows the student to be assigned to an emergency response vehicle with a field preceptor to establish advanced life support patient care responsibilities. Each student must have a minimum of forty (40) advanced life support contacts during this course. Upon successful completion of this phase of training, the student will become eligible for state certification as an Emergency Medical Technician - Paramedic.

193 EMERGENCY MEDICAL SERVICES SPECIAL TOPIC (4.0 to 0.5)
(Formerly EMS 93)
Associate Degree Applicable
Examines a special topic in the field of study related to the discipline offering this course.

193A PARAMEDIC PREPARATORY (1.0)
(Formerly EMS 93A)
2.0 hours per week: (0.5 hours lecture, 1.5 hours laboratory)
Associate Degree Applicable

EMERITUS COLLEGE

400 LITERATURE BY LOCAL AUTHORS (0.0)
(Formerly EMCOLL 400)
3.0 hours lecture per week
Presents discussion of selected novels, short story collections, and poetry by San Luis Obispo area writers. These works are considered in the context of contemporary fiction and poetry using techniques of reading, analysis, and discussion. This course is designed for adults over 50.

401 WRITING BITS AND PIECES OF PERSONAL HISTORY (0.0)
(Formerly EMCOLL 401)
3.0 hours lecture per week
Introduces the use of memoirs, essays, vignettes, and letters to write small incidents of personal history after reading and discussing examples of these genres. Student writing is read, discussed, revised, and edited. This course is designed for adults over 50.

402 WRITERS’ WORKSHOPS FOR SENIORS (0.0)
(Formerly EMCOLL 402)
3.0 hours lecture per week
Offers a writers’ workshop to those students who have previously enrolled in EMCOLL 401, 411. This course is designed for adults over 50.

404 OLDER ADULTS - PUBLISHING A BOOK (0.0)
(Formerly EMCOLL 404)
3.0 hours lecture per week
Presents an opportunity to move a completed manuscript toward publica-tion including discussion of genres, writing groups, editing, agents, proposals, and ways to publish and market. This course is designed for adults over 50.

405 OLDER ADULTS COMPOSING YOUR LIFE STORY WORKSHOP (0.0)
(Formerly EMCOLL 405)
3.0 hours lecture per week
Prerequisite: ECOL 406
Offers a workshop to those students who have previously enrolled in ECOL 406, Composing Your Life Story. This course is designed for adults over 50.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Credits</th>
<th>Hours/Week</th>
</tr>
</thead>
<tbody>
<tr>
<td>406</td>
<td>COMPOSING YOUR LIFE STORY</td>
<td>(0.0)</td>
<td>3.0</td>
<td>lecture</td>
</tr>
<tr>
<td>407</td>
<td>FUNDAMENTAL MUSIC THEORY FOR SENIORS</td>
<td>(0.0)</td>
<td>3.0</td>
<td>lecture</td>
</tr>
<tr>
<td>408</td>
<td>BEGINNING MUSIC ARTS FOR SENIORS</td>
<td>(0.0)</td>
<td>3.0</td>
<td>lecture</td>
</tr>
<tr>
<td>409</td>
<td>SENIOR CHORUS</td>
<td>(0.0)</td>
<td>3.0</td>
<td>lecture</td>
</tr>
<tr>
<td>410</td>
<td>THE OLDER ADULTS GUIDE TO MAINTAINING YOUR</td>
<td>(0.0)</td>
<td>3.0</td>
<td>lecture</td>
</tr>
<tr>
<td></td>
<td>PERSONAL RECORDS</td>
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<tr>
<td>411</td>
<td>CREATIVE WRITING FOR SENIORS</td>
<td>(0.0)</td>
<td>3.0</td>
<td>lecture</td>
</tr>
<tr>
<td>412</td>
<td>BRAIN LONGEVITY: WAYS TO PRESERVE AND RESTORE</td>
<td>(0.0)</td>
<td>3.0</td>
<td>lecture</td>
</tr>
<tr>
<td></td>
<td>MEMORY</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>413</td>
<td>PASTEL DRAWING AND PAINTING FOR SENIORS</td>
<td>(0.0)</td>
<td>3.0</td>
<td>lecture</td>
</tr>
<tr>
<td>414</td>
<td>DRAWING FOR SENIORS</td>
<td>(0.0)</td>
<td>3.0</td>
<td>lecture</td>
</tr>
<tr>
<td>415</td>
<td>YOGA FOR SENIORS</td>
<td>(0.0)</td>
<td>3.0</td>
<td>laboratory</td>
</tr>
<tr>
<td>417</td>
<td>LAWS AND PROGRAMS AFFECTING SENIORS</td>
<td>(0.0)</td>
<td>3.0</td>
<td>laboratory</td>
</tr>
<tr>
<td>418</td>
<td>FOCUSED READING FOR OLDER ADULTS</td>
<td>(0.0)</td>
<td>3.0</td>
<td>lecture</td>
</tr>
<tr>
<td>420</td>
<td>FINANCE: WILLS AND TRUSTS</td>
<td>(0.0)</td>
<td>3.0</td>
<td>lecture</td>
</tr>
<tr>
<td>421</td>
<td>GREAT LITERATURE: SELECTED READING</td>
<td>(0.0)</td>
<td>3.0</td>
<td>lecture</td>
</tr>
<tr>
<td>422</td>
<td>ACCOUNTING: FINANCIAL STATEMENTS</td>
<td>(0.0)</td>
<td>3.0</td>
<td>lecture</td>
</tr>
<tr>
<td>423</td>
<td>ART: WATERCOLOR</td>
<td>(0.0)</td>
<td>3.0</td>
<td>lecture</td>
</tr>
</tbody>
</table>

Courses are designed for adults over 50.
2.0 hours laboratory per week
Presents an overview of art emphasizing historical development and cultural influences. Discussion and evaluation of works may center on a particular period or type of art such as modernism or impressionism or folk art, or may be a more general presentation spanning several centuries. This course is designed for adults over 50.

429 PHOTOGRAPHY: EQUIPMENT AND TECHNIQUES (0.0)
(Formerly EMCOLL 429)
3.0 hours lecture per week
Presents camera choices, developing and printing techniques available through commercial developers, light and composition, and traveling with a camera. This course is designed for adults over 50.

430 BODY/MIND DYNAMICS FOR SENIORS (0.0)
(Formerly EMCOLL 430)
3.0 hours lecture per week
Presents information and techniques to help the mind and body work together toward good health. This course is designed for adults over 50.

431 TRANSITIONS: MIDLIFE AND BEYOND (0.0)
(Formerly EMCOLL 431)
3.0 hours lecture per week
Examines the changes of midlife and beyond such as retirement, bereavement, travel, community involvement, and grandparenting, with the intent to discuss, anticipate, and respond to concerns and challenges.

432 GENEALOGICAL RESEARCH (0.0)
(Formerly EMCOLL 432)
3.0 hours lecture per week
Provides an introduction to and overview of genealogical research, including the collection of genealogical information from a variety of sources and the composition of pedigree charts and history sheets. This course is designed for adults over 50.
473    FUN WITH FOOD FOR FRAIL OLDER ADULTS  (0.0)
(Formerly EMCOLL 473)
2.0 hours laboratory per week
Designed for the frail older adult, this course offers a large variety of food
preparation topics related to the health and well being of the older adult. Diverse topics of interest such as nutrition, consumerism, cultural tradi-
tions, entertaining, health and safety will be discussed.

474    REMINISCING FOR FRAIL OLDER ADULTS  (0.0)
(Formerly EMCOLL 474)
2.0 hours laboratory per week
Presents to frail older adults various topics as a basis for reminiscing about
their life experiences and for recalling cultural and historical events that
marked their lives.

ENGINEERING

201    PLANE SURVEYING  (3.0)
(Formerly ENGR 1)
5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: MATH 229 or equivalent
Introduces the principles and practices of surveying, including the use
of the engineer’s tape, level, transit, and the use of an EDM (Electronic
Distance Measurement). This equipment will be used to perform computa-
tions for horizontal and vertical distances, profiles, azimuths and bear-
ings, traverse closures, topographic mapping, earthwork and land grading,
and horizontal and vertical curves. Maps and land description also will be
discussed.
Transfer: CSU; UC.

210    COMPUTATIONAL METHODS FOR ENGINEERS  (3.0)
(Formerly ENGR 10)
3.0 hours lecture per week
Associate Degree Applicable
Prerequisite: Completion of MATH 265A or higher OR concurrent enrollment in
MATH 265A.
Advisory: PHYS 205A or 208A.
Methodology and techniques for solving engineering/science problems
using numerical-analysis computer-application programs MATLAB and
EXCEL. Technical computing and visualization of problems in mechan-
ic, electrical circuits, thermal systems, fluid systems and other branches
of engineering.
Transfer: CSU.

217    INTRODUCTION TO ELECTRONIC CIRCUIT ANALYSIS  (4.0)
(Formerly ENGR 17)
6.0 hours per week: (3.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: PHYS 208B
Presents an integrated transient and steady-state analysis of linear DC and
AC circuits by use of the mesh and node approach. Examines network
theorems, phasors, complex-frequency concepts, and computer circuit
analysis.
Transfer: CSU; UC.

219    LOGIC AND SWITCHING CIRCUITS  (4.0)
(Formerly ENGR 19)
6.0 hours per week: (3.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: CIS 217 or CIS 231
Introduces digital circuits and logic design for computer science and elec-
trical engineering students. Topics include numbering systems and binary
mathematics, Boolean algebra and circuit minimization techniques, com-
bination and sequential circuit analysis and design.
Transfer: CSU.

125    AUTOCAD  (1.0)
(Formerly ENGR 25)
6.0 hours per week: (4.0 hours lecture, 2.0 hours laboratory)
Associate Degree Applicable
Advisory: CIS 210 or basic knowledge of a Windows operating environment.
Introduction to AutoCAD. Topics include all basic drawing commands, layers, dimensioning, and editing objects. Intended for those students
wanting to learn the software and not necessarily how to draw. Ideal for
professional engineers and architects or students in architecture or interior
design. This course is exactly the same material as the first six weeks of
ENGR 226 (18 week course).

226    ENGINEERING DRAWING I  (4.0)
(Formerly ENGR 26)
6.0 hours per week: (3.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Introduction to engineering drawing using AutoCAD. Topics include
gonometric construction, orthographic projection, isometrics, sectionals,
axials, descriptive geometry, dimensioning, and working drawings.
The first six weeks of this course are the same as ENGR 125.
Transfer: CSU; UC.

227    ENGINEERING DRAWING II  (3.0)
(Formerly ENGR 27)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Prerequisite: ENGR 125 or ENGR 226
Presents advanced subjects in engineering drawing using AutoCAD and
Inventor. Course topics include 3D, macros, customization, and an intro-
duction to AutoLisp.
Transfer: CSU; UC.

245    MATERIALS ENGINEERING  (3.0)
(Formerly ENGR 45)
5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: CHEM 201A
Presents the fundamentals of the structure of matter. Introduces physical
and mechanical properties of materials including metals, alloys, ceramics,
insulating materials, semi-conductors, and polymers. Provides a study of
heat treatments, materials selection, corrosion phenomena, and equilib-
rium diagrams.
Transfer: CSU; UC.

246    MATERIALS ENGINEERING  (2.0)
(Formerly ENGR 46)
2.0 hours lecture per week
Associate Degree Applicable
Prerequisite: CHEM 201A
Co-requisite: ENGR 246L
Presents laboratory experiments on the heat treatment and resulting prop-
erties of metals, effects of cold deformation of metals, brittle-ductile frac-
ture behavior, equilibrium phase relationships, corrosion, mechanical be-
behavior of polymers, as well as properties of semiconductor devices.
Transfer: CSU.

246L    ENGINEERING MATERIALS LAB  (1.0)
(Formerly ENGR 46L)
3.0 hours laboratory per week
Associate Degree Applicable
Co-requisite: ENGR 246
Presents laboratory experiments on the heat treatment and resulting prop-
erties of metals, effects of cold deformation of metals, brittle-ductile frac-
ture behavior, equilibrium phase relationships, corrosion, mechanical be-
behavior of polymers, as well as properties of semiconductor devices.
247  INDEPENDENT STUDIES: ENGINEERING  (2.0 to 0.5)
(Formerly ENGR 47)
6.0 hours laboratory per week
Associate Degree Applicable
Prerequisite: The student must have completed preparatory course work in the technical field in which the study is to be undertaken.
Provides an opportunity for in-depth study or practicum experience by an individual student in a selected topic in the engineering area with support and direction from an instructor.
Transfer: CSU.

248  INTRODUCTION TO ENGINEERING  (1.0)
(Formerly ENGR 48)
1.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 156 or ENGL 165.
Broad overview of the field of engineering, including professional societies and their student chapters, professional licensing and registration, professional codes of ethics, the elements of engineering design, and the scope of analysis and design activities undertaken by private and public sector civil design professionals.
Transfer: CSU; UC.

250  ENGINEERING STATICS  (3.0)
(Formerly ENGR 50)
3.0 hours lecture per week
Associate Degree Applicable
Prerequisite: PHYS 208A
Analyzes forces on structures in equilibrium, properties of forces, moments, couples and resultant, conditions for equilibrium, friction, centroids, and area moments of inertia. Introduces mathematical modeling and problem-solving utilizing vector mathematics.
Transfer: CSU; UC.

251  ENGINEERING DYNAMICS  (3.0)
(Formerly ENGR 51)
3.0 hours lecture per week
Associate Degree Applicable
Prerequisite: ENGR 250
Analyzes the dynamics associated with motion of rigid bodies and particles, including velocity, acceleration, relative motion, energy, work, momentum, and impulse. Utilizes vector mathematics.
Transfer: CSU; UC.

252A  STRENGTH OF MATERIALS I  (2.0)
(Formerly ENGR 52A)
4.0 hours lecture per week
Associate Degree Applicable
Prerequisite: ENGR 250
Study of stresses, strains, and deformations associated with axial, torsional, and flexural loading of bars, shafts, and beams. Includes analysis of elementary determinate and indeterminate mechanical and structural systems.
Transfer: CSU; UC (For UC, both ENGR 252A and 252B must be completed in order to receive transfer credits).

252B  STRENGTH OF MATERIALS II  (2.0)
(Formerly ENGR 52B)
4.0 hours lecture per week
Associate Degree Applicable
Prerequisite: ENGR 252A
Study of stress and strain transformations, analysis of beam deflection and rotation, indeterminate beams, and column buckling.
Transfer: CSU; UC (For UC, both ENGR 252A and 252B must be completed in order to receive transfer credits).

260  STRUCTURAL SYSTEMS FOR ARCHITECTS  (2.0)
(Formerly ENGR 60)
2.0 hours lecture per week
Associate Degree Applicable
Prerequisite: ENGR 250
Introduces the concepts of structural integrity and stability, structural sub-systems, and methods of analysis.
Transfer: CSU.

170  NUCLEAR POWER PLANT SYSTEMS  (3.0)
(Formerly ENGR 70)
3.0 hours lecture per week
Associate Degree Applicable
Prerequisite: ENGR 226
Presents a description of systems and major components, their function, materials of construction design, operating characteristics, limits of operation, system interfaces, and where applicable, control systems and limits associated with a Pressurized Water Reactor (PWR) commercial nuclear power plant. Access to the course requires current employment at PG&E Diablo Canyon Power Plant.

172  BASIC RADIATION PROTECTION TECH & RADIATION MEASUREMENTS LAB  (3.0)
(Formerly ENGR 72)
5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: ENGR 170 and PHYS 205B
Introduces the principles and applications of health physics covering radiation sources, biological effects of radiation and radiation dosimetry fundamentals. Presents a description of radiation detection instrumentation, external personnel monitoring systems, and internal dosimetry techniques used in industry. Environmental survey techniques including standards, contamination, control, air sampling, waste management and emergency planning are examined.

174  REACTOR CORE FUNDAMENTALS  (2.0)
(Formerly ENGR 74)
2.0 hours lecture per week
Associate Degree Applicable
Prerequisite: ENGR 170 and PHYS 205B
Introduction to the basic concepts of nuclear reactor core physics. Topics include: neutron sources and energies; flux, cross-sections, reaction rates; power and energy. Neutron life cycle, six factor formula and reactivity are defined and examined. Reactivity defects for given reactivity coefficients and temperature changes are calculated. Applications to various reactor designs involving different core geometrics for heterogeneous and homogeneous systems are made.

193  ENGINEERING SPECIAL TOPIC  (4.0 to 0.5)
(Formerly ENGR 93)
Associate Degree Applicable
Examines a special topic in the field of study related to the discipline offering this course.

195  TECHNICAL CAREER PREPARATION IN ENGINEERING  (1.0)
(Formerly ENGR 95)
1.0 hours lecture per week
Associate Degree Applicable
Overview of engineering careers with focus on preparing for the job market. Includes discussion of career opportunities in engineering, both union and non-union. Focus on providing the tools necessary to target and obtain a position in the engineering industry.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>207</td>
<td>Introduction to the Short Story</td>
<td>3.0</td>
<td>Introduces the study of the short story with emphasis on understanding, analysis, and appreciation of the short story through an in-depth examination of a variety of literary works. Transfer: CSU; UC.</td>
</tr>
<tr>
<td>212A</td>
<td>American Literature</td>
<td>3.0</td>
<td>Presents a survey of American literature from the pre-colonial period to the Civil War. Introduces the study of major American writers against their historical backgrounds. Such writers as Bradstreet, Paine, Franklin, Jefferson, Poe, Cooper, Irving, Bryant, Melville, Hawthorne, Longfellow, Emerson, Thoreau, Whitman, and Dickinson are studied. Transfer: CSU; UC.</td>
</tr>
<tr>
<td>212B</td>
<td>American Literature</td>
<td>3.0</td>
<td>Provides an introduction to the study of literature with further training in writing and critical thinking. Emphasis is placed on analysis of selected literary forms and types, specifically the short story, drama, and poetry. Transfer: CSU; UC.</td>
</tr>
<tr>
<td>213</td>
<td>Multicultural Voices in American Literature</td>
<td>3.0</td>
<td>Presents an overview of the principles of technical writing. Discussion and application of rhetorical principles, both oral and written, as they pertain to technical writing. Study of methods, resources, and common formats used in technical environments. Transfer: CSU.</td>
</tr>
<tr>
<td>205</td>
<td>Introduction to Poetry</td>
<td>3.0</td>
<td>Introduces the study of poetry with emphasis on understanding, analysis, and appreciation of poetry through an in-depth examination of a variety of literary works. Transfer: CSU; UC.</td>
</tr>
<tr>
<td>206</td>
<td>Introduction to the Novel</td>
<td>3.0</td>
<td>Introduces the study of the novel with emphasis on understanding, analysis, and appreciation of the novel through an in-depth examination of a variety of literary works. Transfer: CSU; UC.</td>
</tr>
<tr>
<td>215</td>
<td>Shakespeare</td>
<td>3.0</td>
<td>Introduces Shakespeare's works with emphasis on analysis of character and structured scene and requires preparation of critical papers based on analytical reading and investigation. Transfer: CSU; UC.</td>
</tr>
<tr>
<td>216</td>
<td>Literature and Film</td>
<td>3.0</td>
<td>Presents the techniques of literary criticism to analyze films and the literary works that inspired them. Examines narrative in film and the criteria for its evaluation. Transfer: CSU; UC.</td>
</tr>
</tbody>
</table>
for evaluating films and literature emphasizing objective analysis and comparison and contrast.

Transfer: CSU; UC.

217 LITERATURE BY WOMEN (3.0)
(Formerly ENGL 17)
3.0 hours lecture per week
Associate Degree Applicable
Prerequisite: ENGL 201A with a grade of C or better.

Presents a survey of literature by women of English-speaking countries from the Middle Ages to the 21st century, with an emphasis on comparing historically oppressed women writers (including African-American and lesbian writers) to those in the mainstream. Authors covered include Phillis Wheatley, Anne Bradstreet, Mary Wollstonecraft, Jane Austen, Sojourner Truth, Harriet Beecher Stowe, Kate Chopin, Willa Cather, Gertrude Stein, Virginia Woolf, Zora Neale Hurston, Anne Sexton, Maya Angelou, Adrienne Rich, Toni Morrison, Sylvia Plath, Audre Lorde, Alice Walker, and Louie Erdrich.

Transfer: CSU; UC.

231 CREATIVE WRITING (3.0)
(Formerly ENGL 31)
3.0 hours lecture per week
Associate Degree Applicable
Prerequisite: ENGL 201A with a grade of C or better.

Presents an opportunity for creative literary expression and emphasizes techniques in writing poems, and/or short stories, and/or plays for informal discussion and criticism by the class and by the instructor. Provides the opportunity to discover one's talent and to practice writing skills.

Transfer: CSU; UC.

242H HONORS SEMINAR: ENGLISH COMPOSITION (1.0)
(Formerly ENGL 42H)
1.0 hours lecture per week
Associate Degree Applicable
Prerequisite: Completion of or concurrent enrollment in ENGL 201A.

Provides the opportunity for broadening a student's background in general education and for providing study and practice in greater depth in writing. Emphasis is on discussion and analysis of subject matter, issues related to the field of study and current advancements in the field.

Open only to students admitted to the honors program.

Transfer: CSU.

244A EUROPEAN LITERATURE (3.0)
(Formerly ENGL 44A)
3.0 hours lecture per week
Associate Degree Applicable
Prerequisite: ENGL 201A with a grade of C or better.

Presents a survey of European literature from the early Greeks up through the Renaissance of the 15th and 16th centuries. Major works and authors covered include Homer, Sophocles, Aristophanes, Plato, Aristotle, Virgil, Ovid, Catullus, "The Song of Roland," Dante, Boccaccio, Petrarch, Rabelais, Cellini, Erasmus, Machiavelli, and Cervantes.

Transfer: CSU; UC.

244B EUROPEAN LITERATURE (3.0)
(Formerly ENGL 44B)
3.0 hours lecture per week
Associate Degree Applicable
Prerequisite: ENGL 201A with a grade of C or better.

Presents a survey of European literature from the Neo-classical Age up into the moderns of the 20th century. Major authors covered include Moliere, Racine, Voltaire, Rousseau, Goethe, Flaubert, Tolstoy, Ibsen, Chekhov, Baudelaire, Kafka, Sartre, and Camus.

Transfer: CSU; UC.

246A SURVEY OF BRITISH LITERATURE (3.0)
(Formerly ENGL 46A)
3.0 hours lecture per week
Associate Degree Applicable
Prerequisite: ENGL 201A with a grade of C or better.

Presents a survey of British literature from the Middle Ages through the 18th century. Introduces the study of major British writers against their historical backgrounds. Such writers as Chaucer, Spenser, Shakespeare, Jonson, Donne, Milton, Dryden, Swift, Pope, Johnson, and Boswell will be studied.

Transfer: CSU; UC.

246B SURVEY OF BRITISH LITERATURE (3.0)
(Formerly ENGL 46B)
3.0 hours lecture per week
Associate Degree Applicable
Prerequisite: ENGL 201A with a grade of C or better.

Presents a survey of major British writers extending from the Romantic Period through the 20th century, focusing on such writers as Wordsworth, Coleridge, Byron, Shelley, Keats, Tennyson, Browning, Arnold, Hopkins, Yeats, Lawrence, Eliot, Auden, Thomas, and Woolf.

Transfer: CSU; UC.

247 INDEPENDENT STUDIES: ENGLISH (2.0 to 0.5)
(Formerly ENGL 47)
6.0 hours laboratory per week
Associate Degree Applicable
Prerequisite: The student must have completed preparatory course work in the field in which the study is to be undertaken.

Provides an opportunity for an in-depth study or a practicum experience by an individual student in a selected topic of English under the direction of an instructor.

Transfer: CSU.

156 COLLEGE READING AND WRITING (4.0)
(Formerly ENGL 56)
4.0 hours lecture per week
Associate Degree Applicable
Prerequisite: ENGL 099 with a C or better or equivalent.

Provides a basic course in college reading and writing with individual attention to sentence structure, paragraph and essay structure, grammar, and critical thinking skills.

165 BASIC TECHNICAL COMMUNICATION (4.0)
(Formerly ENGL 65)
4.0 hours lecture per week
Associate Degree Applicable
Prerequisite: ENGL 099 or equivalent.

Provides a basic course in technical communication with attention to the fundamentals of written and verbal communication in business and industry.

193 ENGLISH SPECIAL TOPICS (4.0 to 0.5)
(Formerly ENGL 93)
Associate Degree Special Topics

Examines a special topic in the field of study related to the discipline offering this course.

099 BASIC READING AND WRITING (4.0)
(Formerly ENGL 100)
4.0 hours lecture per week
Associate Degree Non-Applicable
Prerequisite: ACSK 036 and ACSK 050 with a C or better or ESL 006A and ESL 006B with a C or better or qualifying score on the Assessment test or equivalent.

Introduces students to the language arts through intensive reading, writing, and critical thinking. Emphasizes the process approach to reading and writing. Provides a basic course in sentence and paragraph construction, with limited introduction to the essay.
ENGLISH SECOND LANGUAGE

001 READING, WRITING, GRAMMAR AND CONVERSATION (6.0)
(Formerly ESL 1)
6.0 hours lecture per week
Associate Degree Non-Applicable
Prerequisite: ESL Placement Test.
Focuses on building English language skills for speakers of other languages with an emphasis on reading, writing, grammar, listening and speaking at the beginning level. May be taken concurrently with ESL 015, ESL 025, or ESL 035.

002 ESL READING, WRITING, AND GRAMMAR, LEVEL 2 (6.0)
(Formerly ESL 2)
6.0 hours lecture per week
Associate Degree Non-Applicable
Prerequisite: High-beginning score on the ESL placement test or successful completion of ESL 001 with a grade of C or better.
Focuses on building English language skills for speakers of other languages with an emphasis on reading, writing, grammar, listening and speaking at the high-beginning level. May be taken concurrently with ESL 015, ESL 025 or ESL 035.

003 ESL READING, WRITING, AND GRAMMAR, LEVEL 3 (6.0)
(Formerly ESL 3)
6.0 hours lecture per week
Associate Degree Non-Applicable
Prerequisite: Low-intermediate score on the ESL placement test or successful completion of ESL 002 with a grade of C or better.
Focuses on building English language skills for speakers of other languages with an emphasis on reading, writing and grammar at the low-intermediate level. May be taken concurrently with ESL 015, ESL 025 or ESL 035.

004 ESL READING, WRITING, AND GRAMMAR, LEVEL 4 (6.0)
(Formerly ESL 4)
6.0 hours lecture per week
Associate Degree Non-Applicable
Prerequisite: Low-intermediate score on the ESL placement test or completion of ESL 003 with a grade of C or better.
Focuses on building English language skills for speakers of other languages with an emphasis on reading, writing and grammar at the high-intermediate level. May be taken concurrently with ESL 015, ESL 025 or ESL 035.

005 ESL READING, WRITING, AND GRAMMAR, LEVEL 5 (6.0)
(Formerly ESL 5)
6.0 hours lecture per week
Associate Degree Non-Applicable
Prerequisite: Low-advanced score on the ESL placement test or completion of ESL 004 with a grade of C or better.
Focuses on building English language skills for speakers of other languages with an emphasis on reading, writing and grammar at the low-advanced level. May be taken concurrently with ESL 015, ESL 025 or ESL 035.

006A ENGLISH AS A SECOND LANGUAGE, WRITING AND GRAMMAR, LEVEL 6 (6.0)
(Formerly ESL 6A)
6.0 hours lecture per week
Associate Degree Non-Applicable
Prerequisite: High-advanced score on the ESL placement test or completion of Level 5 with a grade of C or better.
Focuses on building English language skills for speakers of other languages with an emphasis on writing and grammar at the high-advanced level. May be taken concurrently with ESL 006B and ESL 015, ESL 025 or ESL 035.

006B ENGLISH AS A SECOND LANGUAGE, READING, LEVEL 6 (3.0)
(Formerly ESL 6B)
3.0 hours lecture per week
Associate Degree Non-Applicable
Prerequisite: High-advanced score on the ESL placement test or completion of Level 5 with a grade of C or better.
Focuses on building English language skills for speakers of other languages with an emphasis on reading at the high-advanced level. May be taken concurrently with ESL 006A and ESL 015, ESL 025, or ESL 035.

015A BEGINNING LEVEL CONVERSATION (3.0 to 2.0)
(Formerly ESL 15A)
3.0 hours lecture per week
Associate Degree Non-Applicable
Prerequisite: Beginning-level score on the oral component of the ESL placement test.
Focuses on basic communication skills in listening comprehension and speaking for speakers of other languages and enables the beginning-level student to function in common English-speaking situations. Prepares students for ESL 025A, 025B or 025C.

015B BEGINNING LEVEL CONVERSATION (3.0 to 2.0)
(Formerly ESL 15B)
3.0 hours lecture per week
Associate Degree Non-Applicable
Prerequisite: Beginning-level score on the oral component of the ESL placement test.
Focuses on basic communication skills in listening comprehension and speaking for speakers of other languages and enables the beginning-level student to function in common English-speaking situations. Prepares students for ESL 025A, 025B or 025C.

015C BEGINNING LEVEL CONVERSATION (3.0 to 2.0)
(Formerly ESL 15C)
3.0 hours lecture per week
Associate Degree Non-Applicable
Prerequisite: Beginning-level score on the oral component of the ESL placement test.
Focuses on basic communication skills in listening comprehension and speaking for speakers of other languages and enables the beginning-level student to function in common English-speaking situations. Prepares students for ESL 025A, 025B or 025C.

025A INTERMEDIATE LEVEL CONVERSATION (3.0 to 2.0)
(Formerly ESL 25A)
3.0 hours lecture per week
Associate Degree Non-Applicable
Prerequisite: Intermediate-level score on the oral component of the ESL placement test.
Focuses on communication skills in listening comprehension and speaking for speakers of other languages and enables the intermediate-level student to function in everyday English-speaking situations. Prepares students for ESL 035A, 035B or 035C.

025B INTERMEDIATE LEVEL CONVERSATION (3.0 to 2.0)
(Formerly ESL 25B)
3.0 hours lecture per week
Associate Degree Non-Applicable
Prerequisite: Intermediate-level score on the oral component of the ESL placement test.
Focuses on communication skills in listening comprehension and speaking for speakers of other languages and enables the intermediate-level student to function in everyday English-speaking situations. Prepares students for ESL 035A, 035B or 035C.
025C INTERMEDIATE LEVEL CONVERSATION (3.0 to 2.0)
(Formerly ESL 25C)
3.0 hours lecture per week
Associate Degree Non-Applicable
Prerequisite: Intermediate-level score on the oral component of the ESL placement test or completion of ESL 015 or 015A or 015B or 015C with a grade of C or better.
Provides ESL students with specialized programs designed to improve reading, vocabulary, listening comprehension, pronunciation, grammar, idiomatic expression, conversation, word processing and writing at the intermediate level.

035A ADVANCED LEVEL CONVERSATION (3.0 to 2.0)
(Formerly ESL 35A)
3.0 hours lecture per week
Associate Degree Non-Applicable
Prerequisite: Advanced-level score on the oral component of the ESL placement test or completion of ESL 025 or 025A or 025B or 025C with a grade of C or better.
Provides ESL students with specialized programs designed to improve reading, vocabulary, listening comprehension, pronunciation, grammar, idiomatic expression, conversation, word processing and writing at the advanced level.

035B ADVANCED LEVEL CONVERSATION (3.0 to 2.0)
(Formerly ESL 35B)
3.0 hours lecture per week
Associate Degree Non-Applicable
Prerequisite: Advanced-level score on the oral component of the ESL placement test or completion of ESL 025 or 025A or 025B or 025C with a grade of C or better.
Provides ESL students with specialized programs designed to improve reading, vocabulary, listening comprehension, pronunciation, grammar, idiomatic expression, conversation, word processing and writing at the advanced level.

035C ADVANCED LEVEL CONVERSATION (3.0 to 2.0)
(Formerly ESL 35C)
3.0 hours lecture per week
Associate Degree Non-Applicable
Prerequisite: Advanced-level score on the oral component of the ESL placement test or completion of ESL 025 or 025A or 025B or 025C with a grade of C or better.
Provides ESL students with specialized programs designed to improve reading, vocabulary, listening comprehension, pronunciation, grammar, idiomatic expression, conversation, word processing and writing at the advanced level.

193 ENGLISH AS A SECOND LANGUAGE SPECIAL TOPIC (4.0 to 0.5)
(Formerly ESL 93)
Associate Degree Applicable
Examines a special topic in the field of study related to the discipline offering this course.

081 ENGLISH AS A SECOND LANGUAGE SKILLS LABORATORY—BEGINNING (0.5)
(Formerly ESL 101)
1.5 hours laboratory per week
Associate Degree Non-Applicable
Prerequisite: ESL placement test.
Provides English as a Second Language students with specialized programs designed to improve reading, vocabulary, listening comprehension, pronunciation, grammar, idiomatic expression, conversation, and writing at the beginning level. NOTE: Students may register for two sections of lab.

082 ENGLISH AS A SECOND LANGUAGE SKILLS LAB—INTERMEDIATE (0.5)
(Formerly ESL 102)
1.5 hours laboratory per week

083 ENGLISH AS A SECOND LANGUAGE SKILLS LABORATORY—ADVANCED (0.5)
(Formerly ESL 103)
1.5 hours laboratory per week
Associate Degree Non-Applicable
Advisory: ESL 002A and ESL 002B.
Provides ESL students with specialized programs designed to improve reading, vocabulary, listening comprehension, pronunciation, grammar, idiomatic expression, conversation, word processing and writing at the advanced level.

090 BEGINNING LITERACY AND STUDY SKILLS (6.0)
(Formerly ESL 90)
6.0 hours lecture per week
Associate Degree Non-Applicable
Advisory: ESL placement test.
Develops students’ literacy and study skills. Focuses on building basic reading and writing skills with an emphasis on the alphabet, spelling, word and sentence formation, classroom vocabulary, and beginning level grammar. Introduces students to skills essential for academic success. Topics include time management, materials organization, active listening, note taking, test preparation, and understanding the college learning environment.

701 ESL BEGINNING LITERACY—LEVEL 1 (0.0)
(Formerly ESL 701)
4.5 hours lecture per week
The purpose of this course is to provide pre-literate students who have extremely limited or no reading/writing skills in their primary language with basic English necessary to function successfully in everyday encounters.

702 ESL BEGINNING LITERACY—LEVEL 2 (0.0)
(Formerly ESL 702)
4.5 hours lecture per week
Provides students with basic skills at the beginning-low level in English through listening/speaking practice. Lifeskills, grammar, pronunciation, vocabulary, history, government, and culture are taught.

703 ESL BEGINNING HIGH—LEVEL 3 (0.0)
(Formerly ESL 703)
4.5 hours lecture per week
Provides students with basic skills in English at the beginning-high level through listening/speaking practice. Lifeskills, grammar, pronunciation, vocabulary, history, government, and culture are taught.

704 ESL INTERMEDIATE LOW—LEVEL 4 (0.0)
(Formerly ESL 704)
4.5 hours lecture per week
Provides students with basic skills in English at the intermediate-low level through listening/speaking practice. Lifeskills, grammar, pronunciation, vocabulary, history, government, and culture are taught.

705 ESL INTERMEDIATE HIGH—LEVEL 5 (0.0)
(Formerly ESL 705)
4.5 hours lecture per week
Provides students with basic skills in English at the intermediate-high level through listening/speaking practice. Lifeskills, grammar, pronunciation, vocabulary, history, government, and culture are taught.
FAMILY STUDIES

202 CHILD, FAMILY AND COMMUNITY (3.0)
(Formerly FAMST 2)
3.0 hours lecture per week
Associate Degree Applicable
Prerequisite: ENGL 156
Studies patterns of family living in contemporary society, emphasizing the varying roles and interaction of family members and factors which affect family life. Discusses cultural, social, economic, racial, and ethnic differences. Focuses on the developing child and emphasizes the influences of family and community. Same as ECE 202. Meets Title XXII requirements: DS 2.
Transfer: CSU; UC.

205 LIFE MANAGEMENT (3.0)
(Formerly FAMST 5)
3.0 hours lecture per week
Associate Degree Applicable
Life Management provides individuals with skills for understanding and using internal and external resources to function effectively in society now and in the future. Major topics covered in the course include: the effects of cultural forces and future trends on values, standards, and goals; skills for decision making, time, personal energy, stress, and conflict management; and techniques for improving self-esteem and self-understanding, values clarification, and interpersonal relationships.
Transfer: CSU.

210 INTRODUCTION TO HUMAN SERVICES (3.0)
(Formerly FAMST 10)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: ENGL 156.
Presents an overview and history of the human services, with emphasis on the groups needing services in contemporary society. Acquaints students with career opportunities in, and the education and job requirements of the different services.
Transfer: CSU.

212 HUMAN DEVELOPMENT: LIFE SPAN (3.0)
(Formerly FAMST 12)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: ENGL 156.
Integrates the physical, social, emotional and cognitive aspects of human development throughout the lifespan. Discusses the developmental tasks facing people at various points in the life cycle. Explores the way social interaction and cultural institutions shape the development of the individual. Meets Title XXII requirements: DS 1.
Transfer: CSU; UC (For UC, maximum credit of one course between FMST 212 and 215).

213 ETHNIC IDENTITY DEVELOPMENT ACROSS THE LIFE SPAN (3.0)
(Formerly FAMST 13)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: ENGL 156.
Interrogates the relationship between ethnic identity development and psychosocial development of major ethnic groups (Native People, Latino/a Americans, Asian Americans, Euro-Americans, and multi-ethnic Americans) within the U.S. Applies theories grounded in human development/behavioral sciences to analyze ethnic identity development and its impact on self-concept, self-esteem, consciousness, and interpersonal relationships across the life span. Examines research methodologies and findings on ethnic identity formation and psycho-social development across the life span. Examines how socio-cultural forces and identity politics influence the development of selfhood and the accomplishment of psychosocial developmental tasks.
Transfer: CSU; UC.

214 FAMILY, RELATIONSHIPS AND INTIMACY (3.0)
(Formerly FAMST 14)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: ENGL 156.
Presents sociological, psychological and cross-cultural concepts of intimate relationships and the family unit. Focuses on diversity within and the development of committed relationships and the family unit. Emphasizes intimacy dynamics, communication processes, and assessment of functionality and wellness.
Transfer: CSU; UC.

215 DEVELOPMENTAL PATTERNS OF WOMEN (3.0)
(Formerly FAMST 15)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 156.
Studies the biological, social, and emotional development of women throughout the lifespan. Focuses on central issues affecting women.
Transfer: CSU; UC (For UC, maximum credit of one course between FMST 212 and 215).

216 PARENTING (3.0)
(Formerly FAMST 16)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: ENGL 156.
Presents background for understanding parent-child relationships in the changing social environment. Examines common problems in child rearing and emphasizes development of a philosophy of parenthood and development of effective parenting behavior.
Transfer: CSU.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Hours per Week</th>
<th>Description</th>
<th>Transfer</th>
</tr>
</thead>
<tbody>
<tr>
<td>218</td>
<td>HUMAN SEXUALITY</td>
<td>3.0</td>
<td>3.0 lecture per week</td>
<td>Presents theories, skills, techniques, and legal and ethical practices fundamental to client treatment and case management with an emphasis on working with the chemically dependent individual. Includes assessment, diagnosis, development and implementation of treatment plans within a variety of settings.</td>
<td>CSU, UC</td>
</tr>
<tr>
<td>220</td>
<td>AGING IN THE 21ST CENTURY: SOCIAL GERONTOLOGY</td>
<td>3.0</td>
<td>3.0 lecture per week</td>
<td>Provides an introduction to the rapidly changing field of gerontology -the study of aging. Aging and the end of life are explored from a multidisciplinary perspective that views aging as not only a biological, but also a psychological, emotional and social process. Includes the effect on family members, ways of adapting living and working environments, and decisions that need to be made to prepare for death. Introduces local, state, and federal programs that can assist in meeting the needs of the aged and their families. Provides students with tools to better prepare for their parents’ and their own later years.</td>
<td>CSU</td>
</tr>
<tr>
<td>247</td>
<td>INDEPENDENT STUDIES: FAMILY STUDIES</td>
<td>2.0</td>
<td>6.0 laboratory per week</td>
<td>Provides an opportunity for an in-depth study or a practicum experience by an individual student in a selected topic of family studies under the direction of an instructor. Requires the student to complete the course within a specified period.</td>
<td>CSU</td>
</tr>
<tr>
<td>270</td>
<td>INTRO TO ADDICTION STUDIES: ADDICTION AND THE COMMUNITY</td>
<td>3.0</td>
<td>3.0 lecture per week</td>
<td>Explores historical, psychological, and sociological perspectives on the use, abuse, and social control of psychoactive drugs. Presents in depth analysis of the theoretical models of the biopsychosocial nature of addiction, the dynamics of addiction, the impact of addiction on children, families and society with emphasis on special populations, contemporary treatment and prevention approaches, and the addiction counseling profession.</td>
<td>CSU</td>
</tr>
<tr>
<td>278</td>
<td>FAMILIES AND ADDICTION</td>
<td>3.0</td>
<td>3.0 lecture per week</td>
<td>Examines common patterns of family structure and functioning often correlated with substance abuse and addiction including the major types of family systems and dynamics. Reviews basic clinical practice including therapeutic approaches, skills, and techniques for effective intervention and treatment modalities for both individuals and the family system.</td>
<td>CSU, UC</td>
</tr>
<tr>
<td>279</td>
<td>TREATMENT AND CASE MANAGEMENT</td>
<td>3.0</td>
<td>3.0 lecture per week</td>
<td>Analyzes components of apparel and related fashion accessories. Develops evaluation techniques for quality comparison.</td>
<td>CSU</td>
</tr>
</tbody>
</table>
215  DESIGN ANALYSIS AND COLOR THEORY  (3.0)
(Formerly FDM 15)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: ENGL 156.

Presents the design elements and principles as they apply to interior design, clothing, textiles, jewelry and accessories. Includes a wide variety of creative applications with special emphasis on color theory and use. Same as ID 215.
Transfer: CSU.

216  FASHION ILLUSTRATION  (3.0)
(Formerly FDM 16)
5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable

Presents techniques of “quick sketch” using pencil, pen, art markers, and watercolors. Students will also learn how to show fabric texture and pattern in their finished drawings which may become part of their design portfolio.
Transfer: CSU.

218  COMMERCIAL FASHION DESIGN  (3.0)
(Formerly FDM 18)
5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Advisory: FDM 216.

Provides an opportunity for an in-depth study of fashion design as applied to the commercial apparel industry. Presents the concept of designing collections or coordinated groups of themed designs. A wide variety of creative applications will be utilized solving problems related to fashion design. Students will create original fashions using a croquis. Developing flats for commercial specifications is also explored.
Transfer: CSU.

20  FASHION ANALYSIS  (3.0)
(Formerly FDM 20)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: ENGL 156.

Studies the psychological and sociological significance of clothing styles. Applies elements and principles of design of apparel and figure types to project a desired image.
Transfer: CSU.

225  HISTORY OF FASHION: CLASSIC THROUGH 19TH CENTURY  (3.0)
(Formerly FDM 25)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: ENGL 156.

A survey of the evolution of apparel and accessory styles from the classic civilizations, medieval, Renaissance, Baroque, and the various periods of the 19th Century. Emphasizes the relationship of recurring styles of the past to contemporary trends. Includes the impact of sociological, technological, economic and political factors on fashion.
Transfer: CSU.

226  20TH CENTURY TRENDS AND DESIGNS  (3.0)
(Formerly FDM 26)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: ENGL 156.

Surveys the evolution of apparel and accessory styles from the late 19th century through the present. Explores the relationship of recurring style trends between decades within the century as well as any from previous centuries. Includes sociological, technological, economic, cultural, and political factors affecting the design.
Transfer: CSU.

230  FASHION BUYING  (3.0)
(Formerly FDM 30)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: ENGL 156 and MATH 123 or MATH 123SL.

Principles of buying for resale in independent stores, department stores and chain stores with centralized buying. Includes buying for fashion merchandise, staples, hard and soft merchandise lines, merchandise planning and selection, resource relations, legal trade regulations, pricing, merchandise management and control. Emphasizes quantitative merchandising techniques as applied to pricing, mark-downs, discounts, stock control, budgets, income statements and balance sheets.
Transfer: CSU.

235  FASHION PROMOTION  (3.0)
(Formerly FDM 35)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: ENGL 156.

Principles of fashion promotion and coordination. Study of the psychology of fashion, functions of the fashion coordinator and techniques and procedures for presenting fashion. Observation and participation in an area of the fashion industry. Studies the functions of fashion coordinators and directors in retail and wholesale fields.
Transfer: CSU.

240  VISUAL MERCHANDISING AND DISPLAY  (3.0)
(Formerly FDM 40)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: ENGL 156 and FDM 215.

Presents a study of the visual approach to selling with emphasis on the how and why of display. Includes a brief history of display, contemporary visual merchandising, art principles, and sales theory. Experience in designing and constructing visual displays for merchandising strategies to increase sales and store image.
Transfer: CSU.

247  INDEPENDENT STUDIES: FASHION DESIGN AND MERCHANDISING  (2.0 to 0.5)
(Formerly FDM 47)
6.0 hours laboratory per week
Associate Degree Applicable
Prerequisite: The student must have completed preparatory course work in the field in which the study is to be undertaken.

Provides an opportunity for an in-depth study or a practicum experience by an individual student in a selected topic of fashion design or fashion merchandising under the direction of an instructor.
Transfer: CSU.

260  APPAREL PRODUCT DEVELOPMENT  (3.0)
(Formerly FDM 60)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: FDM 214.

Transfer: CSU.
COURSES

263 CLOTHING CONSTRUCTION
(Formerly FDM 63)
5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Provides lecture, demonstration, and laboratory experience in the techniques of garment construction. Includes sewing equipment use and care, pattern selection and adjustments, and garment fitting and alterations. Students will construct at least one garment.
Transfer: CSU.

165 PATTERN DEVELOPMENT
(Formerly FDM 65)
4.0 hours per week: (1.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Advisory: FDM 263.
Presents the flat pattern method of pattern designing with emphasis on bodices, collars, sleeves, skirts, pants, and selected design variations. Develops an understanding of pattern adjustments, garment fitting, and the use of fabric grain.

270 FASHION PORTFOLIO PRESENTATION
(Formerly FDM 70)
5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: FDM 218
Preparation of a fashion design portfolio and apparel collection flats. Portfolio and contents based on research and analysis of industry trends and utilizing professional formats and techniques.
Transfer: CSU.

193 FASHION MERCHANDISING & DESIGN SPECIAL TOPIC
(Formerly FDM 93)
5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: FDM 218
Exams a special topic in the field of study related to the discipline offering this course.

193A ILLUSTRATION FOR FASHION & INTERIOR DESIGN
(Formerly FDM 93A)
5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Transfer: CSU.

FRENCH

201 ELEMENTARY FRENCH
(Formerly FR 1)
5.0 hours per week: (4.0 hours lecture, 1.0 hours laboratory)
Associate Degree Applicable
Prerequisite: FR 201 or equivalent
Provides lecture, demonstration, and laboratory experience in the techniques of garment construction. Includes sewing equipment use and care, pattern selection and adjustments, and garment fitting and alterations. Students will construct at least one garment.
Transfer: CSU.

3 FRENCH
(Formerly FR 3)
5.0 hours per week: (4.0 hours lecture, 1.0 hours laboratory)
Associate Degree Applicable
Prerequisite: FR 202 or equivalent
Provides an opportunity for in-depth study by an individual student in a selected topic of French under the direction of an instructor.
Transfer: CSU.

204 FRENCH
(Formerly FR 4)
5.0 hours per week: (4.0 hours lecture, 1.0 hours laboratory)
Associate Degree Applicable
Prerequisite: FR 203 or equivalent
Provides an opportunity for in-depth study by an individual student in a selected topic of French under the direction of an instructor.
Transfer: CSU.

120 FRENCH CONVERSATION AND READING
(Formerly FR 20)
5.0 hours per week: (4.0 hours lecture, 1.0 hours laboratory)
Associate Degree Applicable
Prerequisite: FR 201 or equivalent
Provides an opportunity for in-depth study by an individual student in a selected topic of French under the direction of an instructor.
Transfer: CSU.

247 INDEPENDENT STUDIES: FRENCH
(Formerly FR 47)
6.0 hours laboratory per week
Associate Degree Applicable
Prerequisite: The student must have completed preparatory course work in the field in which the study is to be undertaken.
Provides an opportunity for in-depth study by an individual student in a selected topic of French under the direction of an instructor.
Transfer: CSU.

263 FRENCH REVIEW
(Formerly FR 63)
3.0 hours per week: (2.0 hours lecture, 1.0 hours laboratory)
Associate Degree Applicable
Prerequisite: FR 201 or equivalent
Provides an opportunity for in-depth study by an individual student in a selected topic of French under the direction of an instructor.
Transfer: CSU.

Transfer: CSU; UC.

Transfer: CSU; UC.

Transfer: CSU; UC.
193 FRENCH SPECIAL TOPIC (4.0 to 0.5)
(Formerly FR 93)
Associate Degree Applicable
Examines a special topic in the field of study related to the discipline offering this course.

GEOGRAPHY

201 PHYSICAL GEOGRAPHY (3.0)
(Formerly GEOG 1)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 156.
Studies human interaction with the basic elements of the physical environment. Includes climate, vegetation, soils, landforms, and their patterns of distribution.
Transfer: CSU; UC.

202 CULTURAL GEOGRAPHY (3.0)
(Formerly GEOG 2)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 156.
Studies human interaction with the basic elements of the cultural environment. Includes language, religion, economy, and other cultural phenomena and their patterns of distribution.
Transfer: CSU; UC.

GEOLGY

210 PHYSICAL GEOLOGY (4.0)
(Formerly GEOL 10)
6.0 hours per week: (3.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: MATH 123 or MATH 123SI
Advisory: ENGL 156 or ENGL 165.
Introduces the concepts and principles upon which geologic knowledge is based including the composition, structure, and description of the earth’s external and internal processes and features.
Transfer: CSU; UC.

211 HISTORICAL GEOLOGY (4.0)
(Formerly GEOL 11)
6.0 hours per week: (3.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: GEOL 210 or equivalent and MATH 123 or MATH 123SI or equivalent Advisory: Eligibility for ENGL 201A.
Presents the theory of the origin and evolution of the earth and its life-forms; emphasizing the tectonic development of North America and its biological evolution through time.
Transfer: CSU; UC.

212 GEOLOGIC HAZARDS, MAN, AND THE ENVIRONMENT (3.0)
(Formerly GEOL 12)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: ENGL 156 or ENGL 165.
Studies geologic hazards as they relate to human interaction with the environment. Emphasizes the cause of earthquakes, their recording, location, and measurement. Also covers flooding, landslides, subsidence, and volcanic hazards.
Transfer: CSU; UC.

220 GEOLOGY OF CALIFORNIA (3.0)
(Formerly GEOL 20)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: ENGL 156.
Introduces the principles and processes of the physical and historical geology of California.
Transfer: CSU; UC.

22A GEOLOGICAL SCIENCE FIELD STUDIES (1.0)
(Formerly GEOL 29A)
49.0 hours per week: (9.0 hours lecture, 40.0 hours laboratory)
Associate Degree Applicable
Prerequisite: Completion of or concurrent enrollment in GEOL 210, GEOL 211 or GEOL 220
Presents an on-site field study of Yosemite, the Sierra Nevada, Mono Basin, Long Valley Caldera, and Owens Valley area.
Transfer: CSU; UC.

22B GEOLOGICAL SCIENCE FIELD STUDIES (1.0)
(Formerly GEOL 29B)
49.0 hours per week: (9.0 hours lecture, 40.0 hours laboratory)
Associate Degree Applicable
Prerequisite: Completion of or concurrent enrollment in GEOL 210, GEOL 211 or GEOL 220
Presents an on-site field study of the Transverse Ranges, central San Andreas fault, Mojave desert, and the Death Valley area.
Transfer: CSU; UC.

193 GEOLGY SPECIAL TOPIC (4.0 to 0.5)
(Formerly GEOL 93)
Associate Degree Applicable
Examines a special topic in the field of study related to the discipline offering this course.

GERMAN

201 ELEMENTARY GERMAN (4.0)
(Formerly GER 1)
5.0 hours per week: (4.0 hours lecture, 1.0 hours laboratory)
Associate Degree Applicable
Presents a topic-centered introduction to contemporary German language and culture. Students will achieve basic functional proficiency in oral and written communication skills and develop knowledge and understanding of German-speaking cultures based on social and historical contexts. Language laboratory practice is required.
Transfer: CSU; UC.

202 GERMAN (4.0)
(Formerly GER 2)
5.0 hours per week: (4.0 hours lecture, 1.0 hours laboratory)
Associate Degree Applicable
Prerequisite: GER 201 or equivalent
Presents a continuation of GER 201 with topic-centered intensive practice of oral and written communication skills. Students will develop strategies to access authentic cultural information including prose, poetry and current events. Language laboratory practice is required.
Transfer: CSU; UC.

203 GERMAN (4.0)
(Formerly GER 3)
5.0 hours per week: (4.0 hours lecture, 1.0 hours laboratory)
Associate Degree Applicable
Prerequisite: GER 202 or equivalent
Reviews grammar, including discussion of grammatical features beyond the elementary level including intensive oral and written drills in idiom-
204 GERMAN
(Formerly GER 4)
5.0 hours per week: (4.0 hours lecture, 1.0 hours laboratory)
Associate Degree Applicable
Prerequisite: GER 203 or equivalent
A continuation of GER 203 with extensive practice in composition, conversation, and comprehension, with readings from classical and contemporary writers and with language laboratory practice.
Transfer: CSU; UC.

110 BEGINNING GERMAN CONVERSATION AND READING
(Formerly GER 10)
5.0 hours per week: (4.0 hours lecture, 1.0 hours laboratory)
Associate Degree Applicable
Emphasizes basic vocabulary and pronunciation skills needed to converse in German. Students will also develop listening comprehension, reading skills and knowledge and understanding of German-speaking cultures. Language laboratory practice required.

120 GERMAN CONVERSATION AND READING
(Formerly GER 20)
5.0 hours per week: (4.0 hours lecture, 1.0 hours laboratory)
Associate Degree Applicable
Prerequisite: GER 201, GER 110 or equivalent
Presents a continuation of GER 110 with intensive practice of oral communication skills. Students will also develop reading strategies to access authentic cultural information. Language laboratory practice is required.

247 INDEPENDENT STUDIES: GERMAN
(Formerly GER 47)
6.0 hours laboratory per week
Associate Degree Applicable
Prerequisite: The student must have completed preparatory course work in the field in which the study is to be undertaken.
Provides an opportunity for in-depth study by an individual student in a selected topic of German under the direction of an instructor.
Transfer: CSU.

193 GERMAN SPECIAL TOPIC
(Formerly GER 93)
Associate Degree Applicable
Examines a special topic in the field of study related to the discipline offering this course.

202 HEALTH EDUCATION
(Formerly HEED 2)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 156.
Presents a broad-based survey of major health topics, emphasizing the prevention of chronic conditions, promotion of health and fitness throughout the lifespan, and the application of current trends in health to affect behavior and lifestyle changes in the student. Health issues will be discussed from a multi-dimensional perspective using relevant examples from a variety of diverse populations, including predominant ethnic minority groups.
Transfer: CSU; UC (For UC, maximum credit of one course between HEED 202, 203 and 208).

203 WOMEN’S HEALTH ISSUES
(Formerly HEED 3)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 156.
Presents major health issues of special significance to women cross culturally. Emphasis will be placed on current trends in the prevention of chronic diseases and health disorders, the promotion of a positive body image, and self-empowerment. Identification of significant cultural obstacles of access for women’s health care by non-dominant groups are presented. In addition, traditional, as well as, experiential and cooperative teaching/learning strategies will be used to explore the application of lifestyle changes to individual health beliefs and practices.
Transfer: CSU; UC (For UC, maximum credit of one course between HEED 202, 203 and 208).

204 STANDARD FIRST AID AND CPR (CARDIOPULMONARY RESUSCITATION)
(Formerly HEED 4)
2.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 156.
Presents information and training in the immediate and temporary emergency care in case of accident or illness. Prepares the student for first-aid and C.P.R. certification examinations.
Transfer: CSU; UC.

206 HEALTH ASPECTS OF DRUG USE
(Formerly HEED 6)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 156.
Presents an in depth analysis of the major health problems associated with the use, misuse, and abuse of drugs including herbs/plants, performance enhancing, over-the-counter, prescription, controlled, and designer drugs. Emphasizes the metabolism of drugs, drug-drug and herb interactions, addiction from an age, gender, and ethnic perspective, and the impact of substance use and abuse on a variety of cultures.
Transfer: CSU; UC.

208 MULTICULTURAL HEALTH
(Formerly HEED 8)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 156.
Presents the major health problems facing non-dominant/minority ethnic groups related to acculturation, assimilation, and biological variations. Various health beliefs systems, folk remedies, health practices, and attitudes toward health will be analyzed to promote prejudice reduction and understanding of cultural differences. A variety of non-traditional and experiential teaching/learning strategies will be used to examine alternative approaches to healthy lifestyles.
Transfer: CSU; UC (For UC, maximum credit of one course between HEED 202, 203 and 208).

193 HEALTH EDUCATION SPECIAL TOPIC
(Formerly HEED 93)
Associate Degree Applicable
Examines a special topic in the field of study related to the discipline offering this course.

HISTORY

203A HISTORY OF WORLD CIVILIZATIONS
(Formerly HIST 3A)
3.0 hours lecture per week
Associate Degree Applicable
Surveys the major world civilizations from antiquity to the early sixteenth century. Explores the people, ideas, and events that have shaped the ancient world, including the social, economic, and political institutions that have made significant contributions to the human experience.

*Transfer: CSU; UC.*

**203B HISTORY OF WORLD CIVILIZATIONS** (3.0)
(Formerly HIST 3B)
3.0 hours lecture per week
Associate Degree Applicable
Surveys the major world civilizations from the early sixteenth century to the present. Explores the people, ideas, and events that have shaped the modern world, including the social economic, and political institutions that have made significant contributions to the human experience.

*Transfer: CSU; UC.*

**204A HISTORY OF WESTERN CIVILIZATION** (3.0)
(Formerly HIST 4A)
3.0 hours lecture per week
Associate Degree Applicable
*Advisory: ENGL 156.*
Surveys the history of Western Civilization from Mesopotamia (ca. 3000 B.C.) to the Elizabethan age (1603 A.D.). Emphasizes historical methodology, physical environment, religious beliefs, and social, political and economic factors. Explores the diverse antecedents of Western Civilization.

*Transfer: CSU; UC.*

**204B HISTORY OF WESTERN CIVILIZATION** (3.0)
(Formerly HIST 4B)
3.0 hours lecture per week
Associate Degree Applicable
*Advisory: ENGL 156.*
Surveys the history of Western Civilization from the Stuart dynasty in England (1603) to the present. Emphasizes historical methodology as well as the physical environment, religious beliefs, and social, political, and economic factors.

*Transfer: CSU; UC.*

**207A HISTORY OF THE UNITED STATES** (3.0)
(Formerly HIST 7A)
3.0 hours lecture per week
Associate Degree Applicable
*Advisory: ENGL 156.*
Presents a survey of the political, economic, social and cultural development of the United States to 1865 with emphasis on development which have conditioned and characterized the American way of life.

*Transfer: CSU; UC.*

**207B HISTORY OF THE UNITED STATES** (3.0)
(Formerly HIST 7B)
3.0 hours lecture per week
Associate Degree Applicable
*Advisory: ENGL 156.*
Surveys the political, social and cultural development of the United States from 1865 to the present. Emphasizes those developments which have conditioned and characterized the American way of life.

*Transfer: CSU; UC.*

**208A HISTORY OF LATIN AMERICA** (3.0)
(Formerly HIST 8A)
3.0 hours lecture per week
Associate Degree Applicable
*Advisory: ENGL 156.*
Examines the colonial history of Latin America from discovery to independence in 1821. Emphasizes the impact of European and non-European contributions to a distinctive Latin American culture. Includes a review of pre-1492 European, African, and New World cultures.

*Transfer: CSU; UC.*

**208B HISTORY OF LATIN AMERICA** (3.0)
(Formerly HIST 8B)
3.0 hours lecture per week
Associate Degree Applicable
*Advisory: ENGL 156.*
Examines the rise of Latin American social, economic and political institutions from the Age of Independence to the present. Emphasizes the trends and themes which compose a collective Latin American historical identity.

*Transfer: CSU; UC.*

**210 HISTORY OF CALIFORNIA** (3.0)
(Formerly HIST 10)
3.0 hours lecture per week
Associate Degree Applicable
*Advisory: ENGL 156.*
Introduces the concepts and issues that have shaped the history of California. Emphasizes the physical environment, the indigenous Indian culture, the Hispanic culture, and the American culture. Analyzes political, social, and economic factors.

*Transfer: CSU; UC.*

**212 HISTORY OF THE MEXICAN-AMERICAN** (3.0)
(Formerly HIST 10)
3.0 hours lecture per week
Associate Degree Applicable
*Advisory: ENGL 156.*
Surveys the major social and cultural events of people of Mexican descent north of Mexico. Presents their history in relation to the broad background of Hispanic-Mexican history. Emphasizes the history of the Southwest United States since 1848.

*Transfer: CSU; UC.*

**219 HISTORY OF THE FAR EAST** (3.0)
(Formerly HIST 19)
3.0 hours lecture per week
Associate Degree Applicable
*Advisory: ENGL 156.*
Surveys the social, political, and economic history of China, Japan, and other Asian countries. Emphasizes themes and concepts resulting in the current problems of the Far East and how they relate to the United States.

*Transfer: CSU; UC.*

**233 HISTORY OF THE AFRO-AMERICAN** (3.0)
(Formerly HIST 33)
3.0 hours lecture per week
Associate Degree Applicable
*Advisory: ENGL 156.*
Surveys the political, economic and social history of the Afro-Americans from the early 17th century to the present with emphasis on the contributions of Afro-Americans to American culture.

*Transfer: CSU; UC.*

**235 HISTORY OF AFRICAN CIVILIZATION** (3.0)
(Formerly HIST 35)
3.0 hours lecture per week
Associate Degree Applicable
*Advisory: ENGL 156.*
Surveys the history of Africa from antiquity to the present. Emphasizes the ancient African kingdoms, societies, and cultures before Arabic and European invasions. Studies the impact of European colonization leading to contemporary African demands for self-determination and nation-building.

*Transfer: CSU; UC.*
237 HISTORICAL AMERICAN WOMEN (3.0)
(Formerly HIST 37)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 156 or equivalent.
Surveys the social, political, economic, and cultural history of women in America from pre-European Native American societies through the late twentieth century, with particular emphasis on the marginalization of women and their struggles for justice, power, and equality in America.
Transfer: CSU; UC.

239 HISTORY OF THE ROLE OF WOMEN (3.0)
(Formerly HIST 39)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: ENGL 156.
Surveys woman's place historically and sociologically in specific cultures throughout the ages. Assesses how womankind is perceived in her role, status, limitations, and opportunities in various historic and periods and analyzes the dynamics of change in role from one person to another.
Transfer: CSU; UC.

247 INDEPENDENT STUDIES: HISTORY (2.0 to 0.5)
(Formerly HIST 47)
6.0 hours laboratory per week
Associate Degree Applicable
Prerequisite: The student must have completed preparatory course work in the field for which the study is undertaken.
Provides an opportunity for an in-depth study or a practicum experience by an individual student in a selected topic of history under the direction of an instructor.
Transfer: CSU.

401 HSD NON-CREDIT BASIC SKILLS WORLD HISTORY (0.0)
(Formerly HIST 401)
20.0 hours lecture per week
This is an elective course towards a high school diploma. Students study major turning points that shaped the modern world, from the late eighteenth century through the present, including the cause and course of two world wars. They trace the rise of democratic ideas and develop an understanding of the historical roots of current world issues, especially as they pertain to international relations. They extrapolate from the American experience that democratic ideals are often achieved at a high price, remain vulnerable, and are not practiced everywhere in the world.
Students develop an understanding of current world issues and relate them to their historical, geographic, political, economic, and cultural contexts. Students consider multiple accounts of events in order to understand international relations from a variety of perspectives.

402 HSD NON-CREDIT BASIC SKILLS U.S. HISTORY (0.0)
(Formerly HIST 402)
20.0 hours lecture per week
This is an elective course towards a high school diploma. Students study the major turning points in American history in the twentieth century. Following a review of the nation's beginnings and the impact of the Enlightenment on US democratic ideals, students build upon the tenth grade study of global industrialization to understand the emergence and impact of new technology and a corporate economy, including the social and cultural effects. They trace the change in the ethnic composition of American society; the movement toward equal rights for racial minorities and women; and the role of the United States as a major world power. An emphasis is placed on the expanding role of the federal government and federal courts as well as the continuing tension between the individual and the state. Students consider the major social problems of our time and trace their causes in historical events. They learn that the United States has served as a model for other nations and that the rights and freedoms we enjoy are not accidents, but the results of defined set of political principles that are not always basic to citizens of other countries. Students understand that our rights under the U.S. Constitution are a precious in-heritance that depends on an educated citizenry for their preservation and protection.

HOSPITALITY

105 FRONT OFFICE OPERATIONS (3.0)
(Formerly HOSP 5)
7.0 hours per week: (1.0 hours lecture, 6.0 hours laboratory)
Associate Degree Applicable
Advisory: Eligibility for ENGL 156 and employment in the industry.
Provides knowledge and skills to supervise a hotel front office including reservations, registration, check-out, settlement, security, accounting, and audits through study and practical application.

110 HOSPITALITY MARKETING AND SALES (3.0)
(Formerly HOSP 10)
7.0 hours per week: (1.0 hours lecture, 6.0 hours laboratory)
Associate Degree Applicable
Advisory: Eligibility for ENGL 156 and employment in the industry.
Introduces the student to effective sales and customer service techniques in such areas as service encounters, guest behavior, data, pricing strategies, selling and entrepreneurship.

115 HOUSEKEEPING OPERATIONS (3.0)
(Formerly HOSP 15)
7.0 hours per week: (1.0 hours lecture, 6.0 hours laboratory)
Associate Degree Applicable
Advisory: Eligibility for ENGL 156 and employment in the industry.
Provides students with the competencies necessary to successfully supervise housekeeping operations of a hotel. Presents the responsibilities of the Housekeeping Department in relation to other hotel departments and the skills necessary to supervise housekeeping and laundry staff.

120 SUPERVISION IN THE HOSPITALITY INDUSTRY (3.0)
(Formerly HOSP 20)
7.0 hours per week: (1.0 hours lecture, 6.0 hours laboratory)
Associate Degree Applicable
Advisory: Eligibility for ENGL 156 and employment in the industry.
Introduction supervisory skills necessary in the hospitality industry such as effective communications, training, coaching, evaluating, disciplining, and managing conflict, through study and practical application.

125 HOSPITALITY LAW (3.0)
(Formerly HOSP 25)
7.0 hours per week: (1.0 hours lecture, 6.0 hours laboratory)
Associate Degree Applicable
Advisory: Eligibility for ENGL 156 and employment in the industry.
Presents a wide range of laws regulating hotel responsibilities to guests, guest rights, hotel facility regulations, and employee rights.

130 FOOD AND BEVERAGE OPERATIONS (3.0)
(Formerly HOSP 30)
7.0 hours per week: (1.0 hours lecture, 6.0 hours laboratory)
Associate Degree Applicable
Advisory: Eligibility for ENGL 156 and employment in the industry.
Provides the skills necessary to successfully supervise a hotel Food and Beverage Department. Includes department responsibilities and staff supervision issues in addition to the knowledge and practices of a variety of food and beverage operations including menu development, food and beverage services, scheduling and costs control.
135  HOSPITALITY SECURITY AND LOSS PREVENTION (3.0)  
(Formerly HOSP 35)  
7.0 hours per week: (1.0 hours lecture, 6.0 hours laboratory)  
Associate Degree Applicable  
Advisory: Eligibility for ENGL 156 and employment in the industry.  
Introduces hospitality security systems and strategies to address hospitality security concerns and emergency situations, through study and practical application.  

140  HOSPITALITY TRAINING AND DEVELOPMENT SKILLS (3.0)  
(Formerly HOSP 40)  
7.0 hours per week: (1.0 hours lecture, 6.0 hours laboratory)  
Associate Degree Applicable  
Advisory: Eligibility for ENGL 156 and employment in the industry.  
Prepares students to assess training and development needs, mentor and train staff and evaluate training initiatives through study and practical application in a hospitality setting.  

147  INDEPENDENT STUDIES: HOSPITALITY (2.0 to 0.5)  
(Formerly HOSP 47)  
6.0 hours laboratory per week  
Associate Degree Applicable  
Prerequisite: The student must have completed preparatory coursework in the field in which the study is to be undertaken.  
Provides an opportunity for an in-depth study or a practicum experience by an individual student in a selected topic of Hospitality under the direction of an instructor.  

193  HOSPITALITY SPECIAL TOPICS (4.0 to 0.5)  
(Formerly HOSP 93)  
Associate Degree Applicable  
Examines a special topic in the field of study related to the discipline offering this course.  

HUMANITIES  

160  INTERPRETIVE GUIDE TRAINING HEARST CASTLE TOUR I (2.0)  
(Formerly HUMAN 60)  
3.0 hours per week: (1.5 hours lecture, 1.5 hours laboratory)  
Associate Degree Applicable  
Advisory: SPCH 201A, HIST 207B, HIST 210, ART 203, ART 204.  
Presents basic concepts and techniques of historical interpretation as employed at Hearst San Simeon State Historical Monument. Students will be trained as historical guides employing Hearst San Simeon Monument as the resource to be interpreted. Students will be introduced to the collection, the architecture, and the people who comprise the interpretive environment of the Hearst Monument. Students will spend time in both a traditional classroom and on site at the Hearst Monument. The course will require students demonstrate their competence in both written and oral forms in the subject areas including but not limited to Art History, Architecture, Social History of the 1920s and 30s, and the mission and purposes of California State Parks as these topics apply to Hearst San Simeon State Monument; specifically Tour I.  

560  INTERPRETIVE GUIDE TRAINING HEARST CASTLE TOUR I (0.0)  
(Formerly HUMAN 560)  
3.0 hours per week: (1.5 hours lecture, 1.5 hours laboratory)  
Advisory: SPCH 201A, HIST 207B, HIST 210, ART 203, ART 204.  
Presents basic concepts and techniques of historical interpretation as employed at Hearst San Simeon State Historical Monument. Students will be trained as historical guides employing Hearst San Simeon Monument as the resource to be interpreted. Students will be introduced to the collection, the architecture, and the people who comprise the interpretive environment of the Hearst Monument. Students will spend time in both a traditional classroom and on site at the Hearst Monument. The course will require students demonstrate their competence in both written and oral forms in the subject areas including but not limited to Art History, Architecture, Social History of the 1920s and 30s, and the mission and purposes of California State Parks as these topics apply to Hearst San Simeon State Monument; specifically Tour I.  

561  INTERPRETIVE GUIDE TRAINING HEARST CASTLE TOURS II AND III (0.0)  
(Formerly HUMAN 561)  
3.0 hours per week: (1.5 hours lecture, 1.5 hours laboratory)  
Prerequisite: HUMAN 160 OR HUMAN 560  
Presents basic concepts and techniques of historical interpretation as employed at Hearst San Simeon State Historical Monument. Students will be trained as historical guides employing Hearst San Simeon Monument as the resource to be interpreted. Students will be introduced to the collection, the architecture, and the people who comprise the interpretive environment of the Hearst Monument. Students will spend time in both a traditional classroom and on site at the Hearst Monument. The course will require students demonstrate their competence in both written and oral forms in the subject areas including but not limited to Art History, Architecture, Social History of the 1920s and 30s, and the mission and purposes of California State Parks as these topics apply to Hearst San Simeon State Monument; specifically Tours II and III.  

INTERIOR DESIGN  

210  INTERIOR DESIGN (3.0)  
(Formerly INTDES 10)  
3.0 hours lecture per week  
Associate Degree Applicable  
Advisory: ENGL 156.  
Presents an overview of interior design as a profession. Includes the basics...
of color and design elements necessary to plan functional, personalized interiors.

Transfer: CSU.

212 TEXTILES (Formerly INTDES 12) (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: ENGL 156.
Introduces fibers, yarns, fabric constructions, and finishes which affect textile selection, uses, and care; provides experiences in textile testing and fabric identification; and relates textile science to consumer textile product selection. Same as FDM 212.

Transfer: CSU; UC.

215 DESIGN ANALYSIS AND COLOR THEORY (Formerly INTDES 15) (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: ENGL 156.
Presents the design elements and principles as they apply to interior design, clothing, textiles, jewelry and accessories. Includes a wide variety of creative applications with special emphasis on color theory. Same as FDM 215.

Transfer: CSU.

217 RENDERING AND RAPID VISUALIZATION FOR INTERIOR DESIGN (Formerly INTDES 17) (3.0)
5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Co-requisite: ID 219.
Describes the methods, techniques and tools used for illustrating interior spaces and products with an emphasis placed on rapid design and production. Various illustration techniques in light, shade, fabric and texture will be practiced and assignments may become part of a design portfolio.

Transfer: CSU.

219 INTERIOR ARCHITECTURAL DRAFTING (Formerly INTDES 19) (3.0)
5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Co-requisite: ID 219.
Presents the tools and techniques for drafting for Interior Design including: lettering, measuring techniques, scale problems, dimensioning, plans, elevations and sections. Students will develop and draft residential and commercial floor plan, compose a drawing for furniture layout and develop specifications to accompany a full set of drawings.

Transfer: CSU.

220 MATERIALS AND PRODUCTS OF INTERIOR DESIGN (Formerly INTDES 20) (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Prerequisite: ID 210
Advisory: ID 222 and MATH 007.
Explores the materials and products used in interior design. Demonstrates how to calculate the amount of merchandise that is needed to place an order for the materials and products. Applies design and drafting skills to create floor plans and an interior specification binder for a residential project. Examines a variety of personal and professional presentation communication skills.

Transfer: CSU.

222 INTERIOR SPACE AND LIGHT PLANNING (Formerly INTDES 22) (3.0)
5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: ID 210
Presents techniques of planning successful interior spaces in residential and commercial buildings. Evaluation of interior space for functions of lifestyle, workstyle, human factors, standard accesses, clearances, traffic flow and ADA laws. Demonstrates the process to develop viable space plans beginning with the schematic design phase through final design drawing phase using common presentation methods. Addresses barrier free interiors, space planning of kitchens and baths, and the beginning principles of interior lighting.

Transfer: CSU.

228 RESIDENTIAL AND COMMERCIAL DESIGN (Formerly INTDES 28) (3.0)
5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: ID 210 and ID 222
Advisory: CTCH 111.
Studies interior design as it relates to personal and family living spaces plus business and public spaces. Emphasis is placed on the design process; gathering information, analyzing the space, solving design problems and presenting the solution to the problem. Included will be the study of different aspects of homes and businesses such as space planning, scale, traffic flow, human factors, lighting, barrier free design, codes and regulations, furnishings, appropriate fabrics, finishes and materials used for residential and commercial structures.

Transfer: CSU.

234 AUTOCAD FOR INTERIOR DESIGNERS (Formerly INTDES 34) (3.0)
5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: CIS 210
Advisory: ID 219.
Presents an introduction to computer aided drafting using the latest version of AutoCAD. This course emphasizes 2D architectural and interior design drafting on the computer. It will demonstrate how to correctly use the AutoCAD commands to complete a floor plan, elevations, sections, and how to plot and print the completed drawing. It will also demonstrate how to develop a library of templates used to draft interiors of buildings.

Transfer: CSU.

135 PROFESSIONAL PRACTICES (Formerly INTDES 35) (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Prerequisite: ID 215
Advisory: ENGL 156.
Presents the business practices commonly found in the field of both residential and commercial interior design. Defines the various types of interior design business formations. Examines methods of compensation for design services, contract writing, billing, purchasing, project management, marketing, professional liability, and communication skills. Explores the different professional organizations and the qualification tests. Emphasis is placed on professional and ethical practice.

134 AUTOCAD FOR INTERIOR DESIGNERS (Formerly INTDES 34) (3.0)
5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: CIS 210
Advisory: ID 219.
Presents an introduction to computer aided drafting using the latest version of AutoCAD. This course emphasizes 2D architectural and interior design drafting on the computer. It will demonstrate how to correctly use the AutoCAD commands to complete a floor plan, elevations, sections, and how to plot and print the completed drawing. It will also demonstrate how to develop a library of templates used to draft interiors of buildings.

Transfer: CSU.

18TH CENTURY (3.0)
245  DESIGN AND HISTORY OF FURNITURE: 18TH - 20TH CENTURY
(Formerly INTDES 45)  (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Prerequisite: Interior Design 210 is recommended.
Examines the styles of furniture of Western Europe, America, and the
Pacific Rim from the 18th through the 21st centuries. Emphasizes the
series of complex historical events, technology, fashion, aesthetics, social
events and human needs that have affected the evolution of furniture and
interior design.
Transfer: CSU.

247  INDEPENDENT STUDIES: INTERIOR DESIGN  (2.0 to 0.5)
(Formerly INTDES 47)
6.0 hours laboratory per week
Associate Degree Applicable
Prerequisite: The student must have completed preparatory course work in the field
in which the study is to be undertaken.
Provides an opportunity for an in-depth study or a practicum experience
by an individual student in a selected topic of interior design under the
direction of an instructor.
Transfer: CSU.

255  INTERIOR DESIGN: CALIFORNIA EXCURSIONS  (0.5)
(Formerly INTDES 55)
19.0 hours per week: (5.0 hours lecture, 14.0 hours laboratory)
Associate Degree Applicable
Advisory: ID 210 and ID 211.
Emphasizes observations and techniques used to appreciate, evaluate, and
sketch original art, decorative arts and/or attend seminars conducted by
professionals in the design field. Excursions may include: museums, gal-
leries, manufacturing facilities, showrooms, showcase houses and/or his-
torical sites in California. Food and other expenses will be the responsibil-
ity of the students.
Transfer: CSU.

260  INTERIOR DESIGN: EUROPEAN EXCURSIONS  (2.0)
(Formerly INTDES 60)
36.0 hours per week: (9.0 hours lecture, 27.0 hours laboratory)
Associate Degree Applicable
Advisory: ID 211.
Emphasizes observations and techniques used to appreciate, evaluate, and
sketch original art, decorative arts and design in museums, castles, manor
houses, galleries, showrooms, and other historical sites in Europe. Airfare,
food, accommodations, and other expenses will be the responsibility of
the students.
Transfer: CSU.

193J  AUTOCAD FOR INTERIOR DESIGNERS  (3.0)
(Formerly INTDES 93J)
5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: CIS 210
Advisory: ID 219.
Presents an introduction to computer aided drafting using the latest ver-
sion of AutoCAD. This course emphasizes 2D architectural and interior
design drafting on the computer. It will demonstrate how to correctly use
the AutoCAD commands to complete a floor plan, elevations, sections,
and how to plot and print the completed drawing. It will also demonstrate
how to develop a library of templates used to draft interiors of buildings.

555  INTERIOR DESIGN: CALIFORNIA EXCURSIONS  (0.0)
(Formerly INTDES 555)
19.0 hours per week: (5.0 hours lecture, 14.0 hours laboratory)
Advisory: ID 211.
Emphasizes observations and techniques used to appreciate, evaluate, and
sketch original art, decorative arts and design in museums, castles, manor
houses, galleries, showrooms, and other historical sites in California. Food and other expenses will be the responsibil-
ity of the students.

560  INTERIOR DESIGN: EUROPEAN EXCURSIONS  (0.0)
(Formerly INTDES 560)
36.0 hours per week: (9.0 hours lecture, 27.0 hours laboratory)
Advisory: ID 211.
Emphasizes observations and techniques used to appreciate, evaluate, and
sketch original art, decorative arts and design in museums, castles, manor
houses, galleries, showrooms, and other historical sites in Europe. Airfare,
food, accommodations, and other expenses will be the responsibility of
the students.

JOURNALISM

201A  NEWS WRITING AND REPORTING  (3.0)
(Formerly JOUR 1A)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 156.
Introduces techniques of news reporting and writing. Provides intensive
practice in gathering and evaluating information and writing basic news
stories. Considers ethical and legal aspects of publications. Concentrates
on the lead and simple story types, organization and structure of news
stories, and the language and style of journalism.
Transfer: CSU.

201B  INTRODUCTION TO MASS COMMUNICATION  (3.0)
(Formerly JOUR 1B)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: ENGL 156.
Presents a survey of the field of journalism, media, and opportunities, in-
cluding an introduction to journalism literature, news analysis, compar-
sion of journalistic styles, and an introduction to the writing and structure
of news stories.
Transfer: CSU; UC.
### COURSES

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<td>202A</td>
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<td>(4.0)</td>
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### LEADERSHIP

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<td>250</td>
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<td>Prerequisite: LEADER 253.</td>
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<td>253</td>
<td>PEER COUNSELING</td>
<td>(2.0)</td>
<td>Prerequisite: ENGL 156 or ENGL 165.</td>
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<td>255</td>
<td>COMMUNITY INTERNSHIP</td>
<td>(3.0 to 1.0)</td>
<td>Prerequisite: LEADER 253.</td>
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<td>256</td>
<td>CAMPUS PEER EDUCATOR</td>
<td>(1.0)</td>
<td>Prerequisite: LEADER 253.</td>
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257  CAMPUS PEER INTERNSHIP (2.0)
(Formerly LEADER 57)
5.0 hours per week: (0.5 hours lecture, 4.5 hours laboratory)
Associate Degree Applicable
Prerequisite: Completion of or concurrent enrollment in LDER 256
This course provides structured, on-the-job experience on campus with
the opportunity to serve as a peer counselor in a student services setting.
The required seminar is scheduled during the 1st, 4th, 8th, 12th, and last
week of the semester.
Transfer: CSU.

260  COMMUNITY PARTNERSHIP THROUGH APPLIED
VOLUNTARISM (2.0)
(Formerly LEADER 60)
4.0 hours per week: (1.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Advisory: Completion of or concurrent enrollment in SOC 201A or FMST 210.
Integrates public service experience through community volunteer work
with instruction on voluntarism. Presents historical perspective of volun-
teer work for improving human conditions. Develops interpersonal skills,
awareness of civic responsibility, and sensitivity to economic conditions.
Transfer: CSU.

261A  PHILOSOPHY OF LEADERSHIP (1.5)
(Formerly LEADER 61A)
3.0 hours lecture per week
Associate Degree Applicable
Prerequisite: Completion of or concurrent enrollment in ENGL 156 or ENGL 165
Studies group and individual leadership techniques. Identifies, classifies,
and analyzes the components essential to the development of leadership.
Includes definitions, traits and behaviors of leadership, personal consid-
erations in leadership, listening skills, personal values, and problem solv-
ing.Recommended for all first-time elected or appointed officers in the
Student Senate; and recommended for officers of other organizations with
a voting position on the Student Senate.
Transfer: CSU.

261B  LEADERSHIP: SUCCESS STRATEGIES SEMINAR (1.5)
(Formerly LEADER 61B)
3.0 hours lecture per week
Associate Degree Applicable
Prerequisite: Completion of or concurrent enrollment in ENGL 156 or ENGL 165
This course is designed to help students create greater success in college
and in life. In so doing, discover those inner qualities necessary to become
an effective leader. Such qualities touched on include personal responsi-
bility; motivating purpose; taking effective action; building mutually sup-
portive relationships; gaining heightened self awareness; developing emo-
tional maturity; and believing in yourself.
Transfer: CSU.

262  STUDENT LEADERSHIP (3.0 to 1.0)
(Formerly LEADER 62)
9.0 hours laboratory per week
Associate Degree Applicable
Advisory: Completion of or concurrent enrollment in LDER 261A or LDER 261B
for first time elected or appointed officers in the Student Senate.
Provides membership experience in the Student Senate with additional
leadership experiences in the planning and implementation of student ac-
tivities and services. Allows students to initiate on campus and off-campus
community projects and programs.
Transfer: CSU.

263  EXPLORING LEADERSHIP-MAKING A DIFFERENCE (3.0)
(Formerly LEADER 63)
3.0 hours lecture per week
Associate Degree Applicable
Evaluates how purpose in life influences goals and leadership in a rapidly
changing world. Analyzes responsibilities and commitments in the context
of leadership for the common good and for purposeful change. Examines
leadership potential. Explores how leaders and participants mutually shape
the environment of an organization and/or community.
Transfer: CSU.

193  LEADERSHIP SPECIAL TOPIC (4.0 to 0.5)
(Formerly LEADER 93)
Associate Degree Applicable
Examines a special topic in the field of study related to the discipline of-
fering this course.

LEGAL

217  INTRODUCTION TO LAW (3.0)
(Formerly LEGAL 17)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: ENGL 156.
Introduces the student to the study of law and the interrelationship be-
tween law and society as a whole. Addresses the fundamental but seem-
ingly contradictory functions the law serves as an instrument of both so-
cial control and social change. Also examines the critical role the law plays
in conflict resolution, especially with regard to conflicts between majority
and minority interests in society. Explores the evolution and social impact
of different legal systems, competing sources of the law, and conflicting
theories of the law. Integrates an examination of selected procedural and
substantive areas of the law with a critical analysis of these areas as sources
of social control, social change, and conflict mediation among various so-
zial groups.
Transfer: CSU; UC (For UC, maximum credit of one course between BUS 218 and
LGL 217).

220  LEGAL RESEARCH AND WRITING (3.0)
(Formerly LEGAL 20)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 156.
An introduction to the fundamental aspects of legal research by an in-
depth analysis of case law, statutory law, and administrative law on both
a federal and state level. Students will learn to locate authority relevant to
selected legal issues. This skill is applied to writing clear and concise briefs,
memoranda, and points and authorities employing the IRAC (issue, rule,
analysis, conclusion) legal analytical formula.
Transfer: CSU.

222  TORT AND INSURANCE LAW (3.0)
(Formerly LEGAL 22)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: ENGL 156.
An introduction to the causes of action, defenses, and remedies in the
major categories of tort law. Topics include various intentional torts, neg-
ligence, strict liability, insurance law, and workers’ compensation.
Transfer: CSU.

123  ESTATE PLANNING AND ADMINISTRATION (2.0)
(Formerly LEGAL 23)
2.0 hours lecture per week
Associate Degree Applicable
Advisory: ENGL 156, Concurrent enrollment with PLGL 102B.
Overview of the fundamental principles of estate planning and adminis-
tration. Topics include estate administration, including probate proceed-
ings and disposition of estates outside of probate, in preparation of wills,
trusts, and other estate planning documents.
124 FAMILY LAW
(Formerly LEGAL 24)
2.0 hours lecture per week
Associate Degree Applicable
Advisory: ENGL 156, Concurrent enrollment in PLGL 102A.
Overview of the substantive and procedural aspects of California Family
Law, including community property, marriage agreements, prenuptial,
postnuptial, and separation, dissolutions, support, custody, patriarchy
and adoption, annulment, and domestic violence.

247 INDEPENDENT STUDIES: LEGAL
(Formerly LEGAL 47)
6.0 hours laboratory per week
Associate Degree Applicable
Prerequisite: The student must have completed preparatory course work in the field
in which the study is to be undertaken.
Provides an opportunity for an in-depth study or a practicum experience
by an individual student in a selected legal topic under the direction of an
instructor.

193 LEGAL SPECIAL TOPIC
(Formerly LEGAL 93)
Associate Degree Applicable
Examine a special topic in the field of study related to the discipline offer-
ing this course.

LIBRARY/INFO TECHNOLOGY

101 INTRODUCTION TO LIBRARY SERVICES
(Formerly LIBINF 1)
3.0 hours lecture per week
Associate Degree Applicable
Prerequisite: Completion of or concurrent enrollment in DIST 101
Advisory: ENGL 156 with a grade of C or better.
Surveys the history, organization, services, personnel and functions of li-
braries and information centers. Provides beginning library/information
technology students with an introduction and overview to the field and
identifies job opportunities.

102 INTRODUCTION TO WEB TECHNOLOGIES AND
CONCEPTS
(Formerly LIBINF 2)
1.0 hours lecture per week
Associate Degree Applicable
This class introduces students to the wide range of concepts and technolo-
gies involved in web publishing, and management as well as employment
opportunities. Topics will include the discussion and demonstration of
multimedia and web technologies, web development languages, Internet
publishing ethics, network fundamentals, marketing, management, and
industry employment outlook.

104 ORGANIZING INFORMATION
(Formerly LIBINF 4)
4.0 hours per week: (2.5 hours lecture, 1.5 hours laboratory)
Associate Degree Applicable
Prerequisite: Completion of or concurrent enrollment in LIBT 101
Advisory: Eligibility for ENGL 156.
A practical introduction to the tasks involved with cataloging book and
non-book library materials. Includes descriptive cataloging using AACR2,
subject cataloging, and classification. Covers MARC formats as well as
their use in the OCLC bibliographic utility and local automated library
systems.

105 LIBRARY/INFORMATION CENTER COLLECTIONS
(Formerly LIBINF 5)
3.0 hours lecture per week
Associate Degree Applicable
Prerequisite: Completion of or concurrent enrollment in LIBT 101
Provides an overview of how to select, purchase, and organize print, elec-
tronic, and other materials to stock library/information center collections.

106 INTRODUCTION TO THE INTERNET
(Formerly LIBINF 6)
4.0 hours per week: (1.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Advisory: LIBT 106.
Designed to prepare students to use the Internet for personal and aca-
demic needs. This course is an introduction to various features and com-
ponents of the Internet. Emphasis is also placed on the location and evalu-
ation of Internet resources.

107 WEB PAGE DEVELOPMENT WITH XHTML
(Formerly LIBINF 7)
5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Advisory: LIBT 106.
Designed to prepare students to understand XHTML and the steps neces-
sary to the effective design and development of a web site. All elements of
web page design will be covered including such topics as content, naviga-
tion and aesthetics. The student will have the opportunity to demonstrate
mastery of the subject by working on a collaborative web site project. This
class is for the student who is new to web page development.
Transfer: CSU.

108 LIBRARY SUPERVISORY SKILLS
(Formerly LIBINF 8)
3.0 hours lecture per week
Associate Degree Applicable
Prerequisite: Completion of or concurrent enrollment in LIBT 101
Introduces supervisory skills within the context of a library department or
branch. Covers how to train, motivate, counsel and evaluate employees,
time management, delegation of work, preparation of memos and statisti-
cal reports.

109 LIBRARY PUBLIC SERVICES
(Formerly LIBINF 9)
3.0 hours lecture per week
Associate Degree Applicable
Prerequisite: Completion of or concurrent enrollment in LIBT 101
Surveys all major library services provided to the public. Focuses on the
philosophy, policies and procedures associated with reference/information
and circulation services. Major emphasis is placed on skill building in de-
fining and executing search strategies that answer information questions
from the public.

110 SCHOOL LIBRARY/MEDIA CENTER SERVICES
(Formerly LIBINF 10)
2.0 hours lecture per week
Associate Degree Applicable
Prerequisite: Completion of or concurrent enrollment in LIBT 101
Explores the role of the school library media program in the educational
community. Introduces students to the basic skills and competencies nec-
essary to provide effective school library media programs for grades K-12.

111 JAVASCRIPT FUNDAMENTALS
(Formerly LIBINF 11)
2.0 hours per week: (0.5 hours lecture, 1.5 hours laboratory)
Associate Degree Applicable
Prerequisite: LIBT 207 with a grade of C or better or consent of instructor
Introduces the fundamentals of JavaScript and web page design
techniques.
212 RESEARCH SKILLS FOR INFORMATION AGE (1.0)
(Formerly LIBINF 12)
1.0 hours lecture per week
Associate Degree Applicable
An information literacy course for students wishing to improve their research skills. This course will prepare students to effectively address different information questions, problems or issues by providing them with the skills to locate, interpret, analyze, synthesize, evaluate and communicate information.
Transfer: CSU.

113 ADVANCED INTERNET SEARCHING (1.0)
(Formerly LIBINF 13)
4.0 hours per week: (1.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: Completion of LIBT 106 with a grade of C or better.
Moves beyond general Web searching and focuses on advanced search techniques and strategies for searching library catalogs, research databases and Web resources. Students will learn how to select appropriate databases, formulate search queries, and retrieve information from these resources.

114 INFORMATION TECHNOLOGY INTERNSHIP (2.0)
(Formerly LIBINF 14)
5.0 hours per week: (0.5 hours lecture, 4.5 hours laboratory)
Associate Degree Applicable
Prerequisite: Completion of with a grade of C or better or concurrent enrollment in 10 Library/Information Technology units from LIBT 101, LIBT 104, LIBT 105, LIBT 106, LIBT 108, LIBT 109, LIBT 115, or LIBT 117 or ten Web Development Technologies units from ART 220, BUS 243, BUS 248, LIBT 102, LIBT 106, LIBT 207, LIBT 111, LIBT 116 or LIBT 117 and Consent of the instructor.
Provides structured on-the-job experience in an appropriate information technology environment. (e.g., information center, library, business, etc.)

115 TECHNOLOGY IN THE WORKPLACE (2.0)
(Formerly LIBINF 15)
4.0 hours per week: (1.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
This course offers a practical look at proper approaches and techniques used to understand, utilize and troubleshoot workplace technology--particularly computer and multimedia technology.

116 MULTIMEDIA APPLICATIONS FOR THE WEB (2.0)
(Formerly LIBINF 16)
4.0 hours per week: (1.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Advisory: LIBT 207.
Focus is on the various ways of creating, editing, and presenting multimedia content for use on the web.

117 ETHICS IN THE INFORMATION AGE (1.0)
(Formerly LIBINF 17)
1.0 hours lecture per week
Associate Degree Applicable
Focuses on ethical and legal issues of information access and publishing as applicable to the Internet. Include a basic knowledge of copyright laws, security and privacy issues, Internet advertising, and the appropriate use of the Internet as an information delivery system.

118 CONNECTING ADOLESCENTS WITH LITERATURE AND LIBRARIES (3.0)
(Formerly LIBINF 18)
3.0 hours lecture per week
Associate Degree Applicable
Explores the literature and electronic resources essential for library technicians to work effectively with adolescents in the information age. Issues of materials selection, evaluation and youth programming will be related to teenage trends, popular culture, multiculturalism and other contemporary subjects of importance to adolescents.

119 CONNECTING ADULT READERS WITH BOOKS (1.0)
(Formerly LIBINF 19)
2.0 hours lecture per week
Associate Degree Applicable
Explores adult reading interests beginning with the history of reading and progressing through genres, mass media, book discussion groups and the tools and methods for readers' advisory. This course is designed for anyone with an interest in reading.

120 FUNDAMENTALS OF CASCADING STYLE SHEETS (1.0)
(Formerly LIBINF 20)
1.0 hours lecture per week
Associate Degree Applicable
Prerequisite: LIBT 207 or CAOA 269
Introduces the fundamentals of CSS for the Web Page Developer. The essential elements such as selectors, positioning, floating, and vertical alignment, tables, and other topics will be explored.

147 INDEPENDENT STUDIES: LIBRARY/INFORMATION TECHNOLOGY (2.0 to 0.5)
(Formerly LIBINF 93)
6.0 hours laboratory per week
Associate Degree Applicable
Prerequisite: LIBT 101 and other preparatory course work in the field in which the study is to be undertaken.
Provides an opportunity for an in-depth study or a practicum experience by an individual student in a selected topic of Library/Information Technology (more specialized than is covered in the curriculum) under the direction of an instructor.

193 LIBRARY INFORMATION SPECIAL TOPIC (4.0 to 0.5)
(Formerly LIBINF 20)
Associate Degree Applicable
Examines a special topic in the field of study related to the discipline offering this course.

LICENSED VOCATIONAL NURSING

101 FUNDAMENTALS THEORY AND BASICS OF NURSING (5.0)
(Formerly LVN 1)
5.0 hours lecture per week
Associate Degree Applicable
Prerequisite: Program admission
Co-requisite: LVN 101A and LVN 101B
This is the first in a series of theory courses, which prepares students to practice vocational nursing. The Caring Framework is used for the study of nursing fundamentals, nursing process, and standard nursing and medical care for a variety of common disease states. The course compares and contrasts nursing care systems employed in health maintenance, acute illness, chronic illness and rehabilitation. Adapting standard nursing care to meet the needs of the elderly is also a focus.

101A FUNDAMENTAL SKILLS (6.5)
(Formerly LVN 1A)
9.5 hours per week: (5.0 hours lecture, 4.5 hours laboratory)
Associate Degree Applicable
Co-requisite: LVN 101 and LVN 101B
Theory, demonstration and supervised practice of basic nursing skills based on scientific principles and correlated with concepts from theory. Planning and implementing basic patient care are practiced in a simulated clinical setting. Relationships between these concepts and nursing skills...
relevant to steps in the nursing process: assessment, planning, implementing, evaluation and documentation are practiced. Students demonstrate competent skill performance in a simulated clinical setting.

101B  FUNDAMENTAL CLINICAL  (2.5)  
(Formerly LVN 1B)  
7.5 hours laboratory per week  
Associate Degree Applicable  
Co-requisite: LVN 101 and LVN 101A  
Fundamental principles of theory and skills courses are applied in the care of patients in long term-care, respite day health and adaptive physical education settings. Mental & spiritual health concepts and socio-cultural aspects are explored as they apply to individually assigned patients.

102  MATERNAL CHILD AND INTERMEDIATE VOCATIONAL NURSING THEORY  (6.0)  
(Formerly LVN 3)  
6.0 hours lecture per week  
Associate Degree Applicable  
Prerequisite: LVN 102B  
Associate Degree Applicable  
Co-requisite: LVN 102A and LVN 102B  
Prepares the licensed vocational nurse to care for patients and integration of pharmacology concepts across the lifespan. The main focus are (1) Basic concepts of maternal and child health nursing with an emphasis on wellness (2) Normal perinatal period for mother (3) Infant and family as a system. (4) Deviations from norms are presented in all aspects of the perinatal period for mother and infant with common interventions and medical/nursing regimens. (5) Integration of pediatric conditions related to each of the body systems. Concepts related to normal growth and development are integrated into the content. (6) Adult patients with increasingly complex problems (7) Pathological processes of selected disease states are explored with an emphasis on care of the perioperative patient.

102A  INTERMEDIATE AND MEDICATION SKILLS  (6.0)  
(Formerly LVN 2A)  
9.5 hours per week: (5.0 hours lecture, 4.5 hours laboratory)  
Associate Degree Applicable  
Prerequisite: LVN 101B  
Co-requisite: LVN 102A and LVN 102B  
Theory, demonstration and supervised practice of intermediate skills and medication administration is based on scientific principles and concepts from theory including maternal/child. Planning and implementing intermediate patient care are done in the simulated clinical setting relevant to steps in the nursing process: assessment, planning, implementing, evaluation and documentation. Students will practice and demonstrate skills in the lab setting prior to the assignment of these skills in the clinical setting.

102B  MATERNAL/CHILD AND INTERMEDIATE CLINICAL  (5.5)  
(Formerly LVN 2B)  
16.5 hours laboratory per week  
Associate Degree Applicable  
Prerequisite: LVN 101B  
Co-requisite: LVN 102A and LVN 102B  
Maternal child and intermediate clinical course for vocational nursing. Application of concepts and skills learned with integration of pharmacology. Care of the normal and acute care of the obstetric, neonate, and pediatric clients. An emphasis on normal growth and development process in relationship to disease is emphasized. The family as a whole system of interactions for patient teaching and the administration of culturally sensitive care is applied to diverse clinical setting. Application of the critical elements for clinical skills performance.

103  ADVANCED VOCATIONAL NURSING THEORY  (6.0)  
(Formerly LVN 3)  
6.0 hours lecture per week  
Associate Degree Applicable  
Prerequisite: LVN 102B  
Co-requisite: LVN 103A and LVN 103B  
Concepts learned in previous theory courses are integrated in the study of nursing care for severely acute and chronic illness patients in hospitals, ambulatory care, home care, residential skilled and community health settings. Concepts fundamental to the leadership, supervision and delegation roles are presented. Community health and illness prevention are studied. Health promotion and maintenance are emphasized. Health problems common in the elderly and legal/ethical dilemmas arising in their care are explored.

103A  ADVANCED SKILLS LAB FOR VOCATIONAL NURSING  (6.5)  
(Formerly LVN 3A)  
9.5 hours per week: (5.0 hours lecture, 4.5 hours laboratory)  
Associate Degree Applicable  
Prerequisite: LVN 102B  
Co-requisite: LVN 103 and LVN 103B  
Theory, demonstration and supervised practice of advanced vocational nursing skills of scientific principles & concepts from previously learned theory. Planning & implementing advanced patient care in a simulated clinical setting relevant to steps in the nursing process: assessment, planning, implementing, evaluating and documenting, for patients in the extended care facility, community and psychiatric setting. Students will demonstrate competent skills prior to use in clinical settings. Course includes the reinforcement of previously learned skills. Skills such as trach care, complex wound care, leadership & IV therapy within VN scope are demonstrated.

103B  ADVANCED VOCATIONAL NURSING CLINICAL  (5.5)  
(Formerly LVN 3B)  
16.5 hours laboratory per week  
Associate Degree Applicable  
Prerequisite: LVN 102B  
Co-requisite: LVN 103 and LVN 103A  
Prepares students to make the transition from student vocational nurse to entry-level practice. The principles learned in co-requisites and previous theory and skills level courses are applied to care of patients in acute, home care and skilled nursing settings with a team leadership component. Students are challenged with more complicated and unstable patients in a variety of settings. This is a community health focus, which includes visits. This course also includes a 108 hour preceptorship component during the last 5 weeks of the semester.

004  BASIC INTRAVENOUS THERAPY, BLOOD TRANSFUSION, AND PHLEBOTOMY  (2.0)  
(Formerly LVN 4)  
3.0 hours per week: (1.5 hours lecture, 1.5 hours laboratory)  
Associate Degree Non-Applicable  
Prerequisite: Completion of LVN 103B or the equivalent

193  LVN SPECIAL TOPICS  (4.0 to 0.5)  
(Formerly LVN 93)  
Associate Degree Applicable  
Examines a special topic in the field of study related to the discipline offering this course.

MATHEMATICS

003  ARITHMETIC  (3.0)  
(Formerly MATH 3)  
3.0 hours lecture per week  
Associate Degree Non-Applicable  
Provides a review of the basic skills of arithmetic. Designed as a transitional course for students who have either not taken a mathematics course for a considerable period of time or who have been in a tutorial program. This course is organized in a regular classroom setting to prepare students for a pre-algebra course.
007  PRE-ALGEBRA  (3.0)
(Formerly MATH 7)
3.0 hours lecture per week
Associate Degree Non-Applicable
Prerequisite: MATH 003 or equivalent with a grade of C or better
Presents the mathematical concepts and arithmetic skills necessary for success in elementary algebra and for further work in mathematics. The concepts are applied to numerous practical problems in order to demonstrate their applicability to real life situations. Not open to students with credit in MATH 123 or its equivalent or any course for which MATH 123 is the prerequisite.

008  INTRODUCTION TO FACTORING  (1.0)
(Formerly MATH 8)
1.0 hours lecture per week
Associate Degree Non-Applicable
Prerequisite: Completion of MATH 007 or equivalent
Introduces the student to methods of factoring polynomials. Presents the topic from geometric, numeric and algebraic perspectives. Multi-sensory approaches will include manipulatives and graphing. Students should have proficiency in whole number arithmetic skills, including positives and negatives and knowledge of procedures for solving simple linear equations.

112  CONVERTING MEASUREMENTS  (1.0)
(Formerly MATH 12)
3.0 hours lecture per week
Associate Degree Applicable
Introduces the student to methods of converting from one measurement unit to another. Emphasis will be on basic applications from nutrition, nursing, chemistry, physical sciences and other disciplines.

114  WORD PROBLEMS  (1.0)
(Formerly MATH 14)
1.0 hours lecture per week
Associate Degree Applicable
Prerequisite: Completion of MATH 007 or concurrent enrollment in MATH 123, MATH 123SI, MATH 127 or MATH 127SI
This course presents strategies for successfully solving word problems such as distance, mixture, work and others at the elementary and intermediate algebra level. This course is intended to help students with word problems in MATH 123 and MATH 127.

115  INTERNSHIP: MATHEMATICS  (2.0 to 0.5)
(Formerly MATH 15)
6.0 hours laboratory per week
Associate Degree Applicable
Prerequisite: Completion of or concurrent enrollment in MATH 265A
Provides an opportunity for a tutorial experience by an individual student in selected topics in mathematics under the direction of an instructor.

119  ELEMENTARY COLLEGE MATHEMATICS  (3.0)
(Formerly MATH 19)
3.0 hours lecture per week
Associate Degree Applicable
Prerequisite: MATH 007 or equivalent with a grade of C or better
Presents a course in college mathematics for the student without any algebraic background. Topics include solving linear equations, including applications; geometry; probability and descriptive statistics; and finance.

021  TWO-SEMESTER BEGINNING ALGEBRA: PART 1  (5.0)
(Formerly MATH 21)
5.0 hours lecture per week
Associate Degree Non-Applicable
Prerequisite: MATH 007 or equivalent with a grade of C or better
Presents the first half of a two-semester course in beginning algebra for the student who has no algebraic background. This course enables students to complete the equivalent of MATH 021 or equivalent and MATH 122 is equivalent to MATH 123.

122  TWO-SEMESTER BEGINNING ALGEBRA: PART 2  (5.0)
(Formerly MATH 22)
5.0 hours lecture per week
Associate Degree Applicable
Prerequisite: MATH 021 or equivalent with a grade of C or better (two-semester beginning algebra, part I).
Presents the second half of a two-semester course in beginning algebra for the student who has no algebraic background. This course enables the students to complete the equivalent of Elementary Algebra (MATH 123) at a slower pace. Successful completion of MATH 021 or equivalent and MATH 122 is equivalent to MATH 123.

123  ELEMENTARY ALGEBRA  (5.0)
(Formerly MATH 23)
5.0 hours lecture per week
Associate Degree Applicable
Prerequisite: MATH 007 or equivalent with a grade of C or better
Presents a first course in algebra for the student without any algebraic background. Topics include solving linear equations and inequalities, solving quadratic equations by factoring, polynomial expressions, factoring, graphing linear equations and inequalities in the variables, solving systems of two linear equations and radical expressions and equations.

125  PLANE GEOMETRY  (3.0)
(Formerly MATH 25)
3.0 hours lecture per week
Associate Degree Applicable
Prerequisite: MATH 123, MATH 123SI or equivalent course with a grade of C or better
Presents a study of the geometry of two-dimensional Euclidean space with an emphasis on proof using deductive reasoning. An introduction to three dimensional geometry and applications of both two- and three-dimensional geometry is also presented.

126A  INTERMEDIATE ALGEBRA-PART 1  (5.0)
(Formerly MATH 26A)
5.0 hours lecture per week
Associate Degree Applicable
Prerequisite: MATH 20D, MATH 122, MATH 123 or MATH 123SI or equivalent with a grade of C or better or a recommending score on the Cuesta College Assessment Test.
Presents the first half of a two-semester course in intermediate algebra. This course enables students to complete the equivalent of Intermediate Algebra (MATH 127) at a slower pace. Topics include factoring polynomial expressions, simplifying rational expressions, absolute value equations and inequalities, functions and relations, and solving systems of linear equations and inequalities.

126B  INTERMEDIATE ALGEBRA-PART 2  (5.0)
(Formerly MATH 26B)
5.0 hours lecture per week
Associate Degree Applicable
Prerequisite: MATH 126A or equivalent with a grade of C or better
Presents the second half of a two-semester course in Intermediate Algebra. This course enables students to complete Intermediate Algebra (MATH 127) at a slower pace. Topics include functions and relations, quadratic equations, exponential and logarithmic functions, inverse functions, and sequences and series.

127  INTERMEDIATE ALGEBRA  (5.0)
(Formerly MATH 27)
5.0 hours lecture per week
Associate Degree Applicable
COURSES

229 TRIGONOMETRY (3.0)
(Formerly MATH 29)
3.0 hours lecture per week
Associate Degree Applicable
Prerequisite: MATH 127 (Intermediate Algebra) or MATH 127SI and MATH 125 (Geometry) or equivalent courses with a grade of C or better.
Advisory: Math 242.

Presents trigonometry from a function approach using both right triangle and circular relationships. The relationships between the angles and sides of triangles and relationships between central angles and the coordinates of points on a circle are developed. The course is designed to prepare the student for further study in the mathematics required in the sciences and technical areas.
Transfer: CSU.

230 COLLEGE MATHEMATICS FOR THE HUMANITIES (3.0)
(Formerly MATH 30)
3.0 hours lecture per week
Associate Degree Applicable
Prerequisite: MATH 127, MATH 127SI or equivalent with a grade of C or better.

Presents applications of intermediate algebra and critical thinking to solving contemporary problems in mathematics. Topics include mathematical reasoning with four additional topics selected from number systems, number theory, finance, computer applications, probability, statistics and mathematical modeling.
Transfer: CSU; UC (For UC, MATH 230 is elective credit only; it does not meet a UC math admission requirement for transfer).

231 TRIGONOMETRY WITH GEOMETRIC FOUNDATIONS (5.0)
(Formerly MATH 31)
5.0 hours lecture per week
Associate Degree Applicable
Prerequisite: MATH 127, MATH 127SI or equivalent with a grade of C or better.

Presents the entire content of MATH 229 Trigonometry with topics from MATH 125 Geometry. Topics include trigonometric functions, equations, graphs, identities, and solution of triangles. Also includes geometric congruence, properties of polygons, parallel lines, similarity, areas, and volumes.
Transfer: CSU.

232 COLLEGE ALGEBRA (3.0)
(Formerly MATH 32)
3.0 hours lecture per week
Associate Degree Applicable
Prerequisite: MATH 127, MATH 127SI or equivalent with a grade of C or better.

Presents a study of pre-calculus algebra and analytic geometry. Covers such topics as algebraic equations and inequalities, functions and graphs, zeros of functions, polynomial functions, rational functions, exponential and logarithmic functions, parametric equations, conic sections, systems of equations and inequalities, matrices, determinants, sequences and series, and probability. The course is designed to prepare the student for calculus.
Transfer: CSU; UC (For UC, maximum credit of one course between MATH 232 and 242).

142G PRE-CALCULUS ALGEBRA: GRAPHING CALCULATOR COMPONENT (1.0)
(Formerly MATH 42G)
1.0 hours lecture per week
Associate Degree Applicable
Advisory: Successful completion of Math 127 or equivalent, and concurrent enrollment in Math 242, is advised.

Supports the MATH 242 Pre-calculus Algebra course by presenting the features and use of a graphing calculator to solve problems specific to that course. Topics covered will parallel the development of concepts in MATH 242. A TI-83 or TI-84 graphing calculator is required. (Other models not supported.)

247 INTRODUCTION TO STATISTICS (4.0)
(Formerly MATH 47)
4.0 hours lecture per week
Associate Degree Applicable
Prerequisite: MATH 127, MATH 127SI or equivalent with a grade of C or better.

Presents a study of basic descriptive and inferential statistics designed to prepare students for work in the fields of economics, business, psychology, education, mathematics and applied science. Not open to students with credit in MATH 39 or MATH 49.
Transfer: CSU; UC (For UC, 4 credit maximum between MATH 236 and 247).

255 CALCULUS FOR BUSINESS AND MANAGEMENT (3.0)
(Formerly MATH 55)
3.0 hours lecture per week
Associate Degree Applicable
Prerequisite: MATH 242 or equivalent with a grade of C or better.

Presents a study of the techniques of calculus with emphasis placed on the application of these concepts to business and management related problems. The applications of derivatives and integrals of functions including polynomials, rational, exponential and logarithmic functions are studied.
Transfer: CSU; UC (For UC, maximum credit of one course between MATH 255 and 265A).

265A ANALYTIC GEOMETRY AND CALCULUS (5.0)
(Formerly MATH 65A)
5.0 hours lecture per week
Associate Degree Applicable
Prerequisite: MATH 242 and MATH 229 or equivalent with a grade of C or better.

Presents a study of analytic geometry, limits, continuity, the calculus of algebraic, trigonometric, exponential and logarithmic functions as well as applications of the derivative and integral. Every topic will be taught geometrically, numerically, and algebraically.
Transfer: CSU; UC (For UC, maximum credit of one course between MATH 255 and 265A).
265B  ANALYTIC GEOMETRY AND CALCULUS  (5.0)
(Formerly MATH 65B)
5.0 hours lecture per week
Associate Degree Applicable
Prerequisite: MATH 265A or equivalent with a grade of C or better (NOTE: If you are transferring from a college on the quarter system the prerequisite for MATH 265B is two quarters of Calculus. From Cal Poly it is MATH 142 with a grade of C or better).

Presents a continuing study on integration, some first and second order differential equations, Taylor and Fourier series, multiple variable functions, vectors, and their applications. Every topic will be taught geometrically, numerically, and algebraically.
Transfer: CSU; UC.

283  CALCULUS  (5.0)
(Formerly MATH 83)
5.0 hours lecture per week
Associate Degree Applicable
Prerequisite: MATH 265B (Analytic Geometry and Calculus) or equivalent with a grade of C or better

Presents a study of differentiation and integration of multiple variable functions, parametric curves in two and three dimensions, optimization, line integrals, and the calculus of vector fields. Specific topics include vector functions, partial derivatives, surfaces, parametric equations, multiple integrals (with rectangular, polar, cylindrical, and spherical coordinates), and vector calculus (including line integrals, flux integrals, Greens Theorem, the Divergence Theorem, and Stokes Theorem). Every topic will be taught geometrically, numerically, and algebraically.
Transfer: CSU; UC.

287  LINEAR ANALYSIS  (5.0)
(Formerly MATH 87)
5.0 hours lecture per week
Associate Degree Applicable
Prerequisite: MATH 265B or equivalent with a grade of C or better

Presents a study of separable and linear ordinary differential equations with selected applications; numerical and analytical solutions; second order differential equations; Laplace transforms. Delves into Linear Algebra with a study of vectors in n-space, matrices, linear transformations, eigenvalues, eigenvectors, diagonalization; applies linear algebra in the study of systems of linear differential equations.
Transfer: CSU; UC.

193  MATH SPECIAL TOPIC  (4.0 to 0.5)
(Formerly MATH 93)
Associate Degree Applicable
Examines a special topic in the field of study related to the discipline offering this course.

193B  MEDICINE MATH FOR NURSING  (1.5)
(Formerly MATH 93B)
3.0 hours lecture per week
Associate Degree Applicable
Prerequisite: MATH 003 or equivalent with a grade of C or better

193C  INTRODUCTION TO MATHEMATICAL PROOFS  (1.0)
(Formerly MATH 93C)
1.0 hours lecture per week
Associate Degree Applicable
Prerequisite: MATH 003 or equivalent with a grade of C or better

401  HSD NON-CREDIT BASIC SKILLS ALGEBRA I  (0.0)
(Formerly MATH 401)
20.0 hours lecture per week
This is an elective course towards a high school diploma. It is designed to cover symbolic reasoning and calculations with symbols allowing a student to develop an understanding of the symbolic language of mathematics and the sciences. Also, a range of problem solving situations allow for the development of algebraic skills and concepts.

402  HSD NON-CREDIT BASIC SKILLS ALGEBRA II  (0.0)
(Formerly MATH 402)
20.0 hours lecture per week
This is an elective course towards a high school diploma. Algebra II topics include linear equations and inequalities, systems of equations and polynomial, exponential and logarithmic functions. Geometric topics to be included are triangular and circular trigonometry. Other topics covered are probability, conic sections and trigonometric functions and their graphs.

403  HSD NON-CREDIT BASIC SKILLS GEOMETRY  (0.0)
(Formerly MATH 403)
20.0 hours lecture per week
This is an elective course towards a high school diploma. This course is mainly plane and coordinate Geometry. The focus is fundamental knowledge of basic geometric postulates and theorems and their use in proofs. Integrating Algebra in a geometric setting. Using formulas to calculate perimeter, area, and volume of a variety of geometric shapes.

MEDICAL ASSISTING

109  PHLEBOTOMY  (3.5)
(Formerly MEDAST 9)
5.5 hours per week: (2.5 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: Health Care Provider CPR Card and documents or proof of high school or equivalent education.
Advisory: Standard First Aid.

Designed to prepare the student in essential blood specimen collecting skills to fulfill state phlebotomy certificate requirements.

110  MEDICAL ASSISTING BASICS  (2.0)
(Formerly MEDAST 10)
2.0 hours lecture per week
Associate Degree Applicable
Introduces the medical assisting role and responsibilities, professionalism and medical terminology. Concepts of anatomy, physiology, and computer basics are presented to facilitate entry level medical assisting practice.

111  MEDICAL ASSISTING FAST TRACK  (12.0)
(Formerly MEDAST 11)
14.0 hours per week: (11.5 hours lecture, 2.5 hours laboratory)
Associate Degree Applicable
Prerequisite: Completion of MAST 110 with a grade of C or better or concurrent enrollment in MAST 110.
Co-requisite: Current Health Care Provider CPR and Standard First Aid.

Designed to prepare the student for an entry-level position as a medical assistant. The content includes verbal and written communication, basic and advanced clinical skills, medical office management techniques, and professional employment marketing skills. Includes preceptorship experience.

193  MEDICAL ASSISTING SPECIAL TOPIC  (4.0 to 0.5)
(Formerly MEDAST 93)
Associate Degree Applicable
Examines a special topic in the field of study related to the discipline offering this course.

MUSIC

203A  MUSIC THEORY  (5.0)
(Formerly MUS 3A)
6.0 hours per week: (5.0 hours lecture, 1.0 hours laboratory)
Associate Degree Applicable
Prerequisite: Completion of MUS 239, MUS 258 or equivalent background
203B MUSIC THEORY (5.0)  
(Formerly MUS 3B)  
6.0 hours per week: (6.0 hours lecture, 1.0 hours laboratory)  
Associate Degree Applicable  
Prerequisite: MUS 203A or equivalent  
A continuation of MUS 203A. Written theory pursues further part-writing and study of the principles of the Common Practice era, including six-chords, six-four chords, major-minor sevenths, melodic embellishments and modulation. Aural skills are further developed through sight-singing, and melodic and harmonic dictation. This course is the second in a sequence of three. Required of all music majors.  
Transfer: CSU; UC.  

203C MUSIC THEORY (3.0)  
(Formerly MUS 3C)  
3.0 hours lecture per week  
Associate Degree Applicable  
Prerequisite: MUS 203B or equivalent  
A continuation of MUS 203B, with contrapuntal harmonic practices of the 18th, 19th and 20th centuries. The course explores ninth chords, diminished sevenths, half-diminished sevenths, augmented sixth chords, chord beyond the ninths, whole-tone systems and current practices through four-part writing analysis, essays and discussion. Required of all music majors.  
Transfer: CSU; UC.  

206 COMPOSING MUSIC FOR MOTION PICTURES AND TELEVISION (3.0)  
(Formerly MUS 6)  
3.0 hours lecture per week  
Associate Degree Applicable  
Prerequisite: MUS 203A, MUS 203B, MUS 203C, or consent of instructor  
Advisory: Knowledge of piano/keyboard technique is desirable.  
A study of the various aspects of composing for video, motion pictures, and television, including appropriate compositional techniques, stylistic considerations and an in-depth study of the uses and application of computer technology in writing, scoring, and synchronizing music for video and film.  
Transfer: CSU.
carefully balanced ensembles with emphasis on developing repertoire for required public performances.
Transfer: CSU; UC.

228 MIXED CHORUS (3.0 to 1.0)
(Formerly MUS 28)
9.0 hours laboratory per week
Associate Degree Applicable
Prerequisite: Audition and/or consent of instructor
Advisory: Knowledge of music notation.
Provides an opportunity for performance and analysis of jazz improvisation. Public performances may be required.
Transfer: CSU; UC.

229 CHAMBER SINGERS (2.0)
(Formerly MUS 29)
4.0 hours per week: (1.0 hour lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: Audition and/or consent of instructor
Advisory: Previous choral experience.
A small group ensemble specializing in madrigals and vocal chamber music of all cultures and time periods. Frequent performances on and off campus will be a large part of the class.
Transfer: CSU; UC.

230A MUSIC HISTORY (3.0)
(Formerly MUS 30A)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: MUS 239 or MUS 203A.
Studies the history of music in western civilization from the Ancient period to the culmination of the Baroque period.
Transfer: CSU; UC.

230B MUSIC HISTORY (3.0)
(Formerly MUS 30B)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: MUS 230A, MUS 239 or MUS 203A.
Presents a study of the history of music in the Western civilization from the end of the Baroque period to the current period, including Avant Garde and Serial Techniques.
Transfer: CSU; UC.

231 JAZZ ENSEMBLE (3.0 to 1.0)
(Formerly MUS 31)
5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: Ability to play an instrument and to read music at sight and audition and/or consent of instructor
Provides for reading, preparing, and performing of music arranged for a dance band. Provides the opportunity to arrange and compose for the band as well as to direct. Attendance at scheduled performances is required.
Transfer: CSU; UC.

232A CONCERT JAZZ ENSEMBLE (3.0 to 1.0)
(Formerly MUS 32A)
5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: Audition and/or consent of instructor
Advisory: Ability to play an instrument.
The concert jazz ensemble is a performance organization designed to acquaint the student with a wide variety of jazz and swing compositions, arrangers and guest soloists. This course will stress stylistic interpretation and ensemble playing. It will be limited to students with considerable experience.
Transfer: CSU; UC.

232B CONCERT JAZZ ENSEMBLE (3.0 to 1.0)
(Formerly MUS 32B)
5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: Audition and/or consent of instructor
Advisory: Ability to play an instrument.
The concert jazz ensemble is a performance organization designed to acquaint the student with a wide variety of jazz and swing compositions, arrangers and guest soloists. This course will stress stylistic interpretation and ensemble playing. It will be limited to students with considerable experience.
Transfer: CSU; UC.

233 JAZZ IMPROVISATION (2.0)
(Formerly MUS 33)
3.0 hours per week: (2.0 hours lecture, 1.0 hours laboratory)
Associate Degree Applicable
Prerequisite: Ability to read music and play an instrument or sign and audition and/or consent of instructor
Provides an opportunity for performance and analysis of jazz improvisation. Public performances may be required.
Transfer: CSU; UC.

234 ARRANGING, SCORING, AND ORCHESTRATION (2.0)
(Formerly MUS 34)
2.0 hours lecture per week
Associate Degree Applicable
Prerequisite: MUS 203B or equivalent and knowledge of jazz literature, styles and basic piano skills
Advisory: Concurrent enrollment in MUS 223, MUS 225, MUS 227, MUS 228, MUS 229, MUS 231, or MUS 232A.
Provides an opportunity for composing, arranging and orchestrating for jazz ensembles and orchestras. Focuses on the analysis of jazz and classical harmonic practices, relation of contemporary melodic and rhythmic concepts to instrumentation.
Transfer: CSU; UC.

235 MUSIC APPRECIATION: CLASSICAL MUSIC (3.0)
(Formerly MUS 35)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 156.
Introduces classical music in its evolution from the earliest recorded works through the 20th century. Includes the study and analysis of significant works.
Transfer: CSU; UC.

237 MUSIC APPRECIATION: AMERICAN POPULAR MUSIC (3.0)
(Formerly MUS 37)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 156.
Introduces the non-music major to the history and literature of the popular music movement in the United States. Emphasizes musical styles and personalities from the late forties to the present.
Transfer: CSU; UC.

238 MUSIC APPRECIATION: JAZZ HISTORY (3.0)
(Formerly MUS 38)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 156.
Introduces the history and literature of jazz music in the United States. Emphasizes the styles and musical personalities involved from 1900 to the present. Designed for the non-music major.
Transfer: CSU; UC.

239 FUNDAMENTALS OF MUSIC (3.0)
(Formerly MUS 39)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: No previous musical experience necessary.
Provides a thorough foundation in fundamentals of music for the non-major or the potential music major who does not have an adequate background.
Transfer: CSU; UC (For UC, no credit if taken after any of MUS 203A, 203B, 203C, 230A, 230B, or 230C).
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Hours per Week</th>
<th>Notes</th>
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<tr>
<td>240</td>
<td>RECORDING ARTS I: FUNDAMENTALS OF AUDIO TECHNOLOGY</td>
<td>3.0</td>
<td>4.0</td>
<td>Transfer: CSU.</td>
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<td>241</td>
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<td>3.0</td>
<td>4.0</td>
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<td>242</td>
<td>RECORDING ARTS III: ADVANCED AUDIO TECHNOLOGY</td>
<td>3.0</td>
<td>4.0</td>
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<td>243</td>
<td>RECORDING ARTS IV: STUDIO WORKSHOP II</td>
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<td>245</td>
<td>JAZZ WORKSHOP</td>
<td>2.0</td>
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<td>Transfer: CSU; UC.</td>
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<td>246</td>
<td>EVENING JAZZ ENSEMBLE</td>
<td>2.0</td>
<td>4.0</td>
<td>Transfer: CSU; UC.</td>
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<tr>
<td>247</td>
<td>INDEPENDENT STUDIES: MUSIC</td>
<td>2.0</td>
<td>6.0</td>
<td>Transfer: CSU; UC.</td>
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<td>250</td>
<td>MUSICAL THEATRE WORKSHOP</td>
<td>3.0</td>
<td>6.0</td>
<td>Transfer: CSU; UC.</td>
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<td>(Formerly MUS 50)</td>
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<td>251</td>
<td>MUSICAL THEATRE PERFORMANCE</td>
<td>3.0</td>
<td>6.0</td>
<td>Transfer: CSU; UC.</td>
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<td>253</td>
<td>MASTER CHORALE</td>
<td>2.0</td>
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<td>255</td>
<td>WORKSHOP IN INSTRUMENTAL ENSEMBLE MUSIC</td>
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<td>9.0</td>
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<td>256</td>
<td>ORCHESTRA</td>
<td>3.0</td>
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<td>Transfer: CSU.</td>
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<td>(Formerly MUS 56)</td>
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258 ELEMENTARY PIANO (Formerly MUS 58) (2.0)
4.0 hours per week: (1.0 hour lecture, 3.0 hours laboratory)
Associate Degree Applicable
Introduces the student to practical keyboard facility, sight reading, harmony and performance of elementary piano repertoire. Required for music majors.
Transfer: CSU; UC.

259 INTERMEDIATE PIANO (Formerly MUS 59) (2.0 to 1.0)
4.0 hours per week: (1.0 hour lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: MUS 258 or equivalent or audition and/or consent of instructor.
The study and performance of concert piano literature from Baroque, Classic, Romantic, and 20th Century time periods. The student will develop and improve piano skills and repertoire.
Transfer: CSU; UC.

260 JAZZ PIANO TECHNIQUES (Formerly MUS 60) (2.0 to 1.0)
4.0 hours per week: (1.0 hour lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: MUS 258 or equivalent or audition and/or consent of instructor.
This course provides the student with basic jazz piano playing skills including voicings of 9th, 11th, and 13th chords applied to arranging lead sheets for piano.
Transfer: CSU; UC.

262 CHORAL MUSIC II: CHORAL MUSIC OF THE CLASSICAL PERIOD (Formerly MUS 62) (2.0)
4.0 hours per week: (1.0 hour lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: Audition and/or consent of instructor
Presents the study and performance of major historical choral works with concentration on the Classical Period. Students will develop and improve choral music techniques and repertoire. Auditions will be scheduled at the beginning of each semester.
Transfer: CSU.

263 MUSIC III: CHORAL MUSIC OF THE ROMANTIC TO EARLY 20TH CENTURY (Formerly MUS 63) (2.0)
4.0 hours per week: (1.0 hour lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: Audition and/or consent of instructor
Presents the study and performance of major historical choral works with concentration on the Romantic Period from the end of the Classical Period to the early 20th century. Students will develop and improve choral techniques and repertoire. Auditions will be scheduled at the beginning of each semester.
Transfer: CSU.

264 MUSIC IV: MODERN PERIOD (Formerly MUS 64) (2.0)
4.0 hours per week: (1.0 hour lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: Audition and/or consent of instructor
Presents the study and performance of major historical choral works with concentration on the Modern Period (Post World War I to present). Students will develop and improve choral music techniques and repertoire. Auditions will be scheduled at the beginning of each semester.
Transfer: CSU.

265 MUS V: MASTER WORKS FROM J.S. BACH TO MOZART (Formerly MUS 65) (2.0)
4.0 hours per week: (1.0 hour lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: Audition for placement and/or consent of the instructor.
Presents the study and performance of major historical choral works from the time of J.S. Bach to Wolfgang Amadeus Mozart. Students will develop and improve choral singing skills and techniques. Audition required at the beginning of each semester. May be taken four semesters for credit.
Transfer: CSU; UC.

270 ELEMENTARY GUITAR (2.0)
(Formerly MUS 70)
3.0 hours per week: (1.5 hours lecture, 1.5 hours laboratory)
Associate Degree Applicable
Introduces the techniques of playing the guitar. Topics include reading music, flat picking and finger picking, chords, and the playing of melodies. No previous musical experience is required. Students must provide their own acoustic or electric guitar.
Transfer: CSU; UC.

193 MUSIC SPECIAL TOPIC (Formerly MUS 93) (4.0 to 0.5)
Associate Degree Applicable
Examines a special topic in the field of study related to the discipline offering this course.

193C INTERNATIONAL CHORAL MUSIC APPRECIATION (Formerly MUS 93C) (1.0)
2.0 hours per week: (0.5 hours lecture, 1.5 hours laboratory)
Associate Degree Applicable

NURSING ASSISTANT

125 EKG MONITOR OBSERVER (Formerly NRAST 25) (1.0)
6.0 hours lecture per week
Associate Degree Applicable
Provides the student with the skills to analyze and interpret basic cardiac rhythms. Emphasis is on recognition of clinically significant rhythms. Treatment is not covered. Concepts include basic cardiac anatomy and physiology, electrical conduction through the heart, components of the EKG waveform, and identification of normal and abnormal cardiac rhythms.

145 ACUTE CARE NURSE ASSISTANT (formerly NRAST 45) (3.0)
12.0 hours per week: (5.0 hours lecture, 7.0 hours laboratory)
Associate Degree Applicable
Prerequisite: NRAST 148 Nursing Assistant, or provide proof of having completed an approved Nursing Assistant Training Program, or already be a Certified Nursing Assistant. Have a current Healthcare Provider or Professional Rescuer CPR card. Advisory: ENGL 156.
Prepares the certified nurse assistant to function at a competent level in the acute care setting. Provides guidelines for acute clinical experiences. Facilitate an understanding of human beings as integrated physiological, social, and psychological organisms.

148 NURSING ASSISTANT (Formerly NRAST 48) (5.0)
18.0 hours per week: (6.0 hours lecture, 12.0 hours laboratory)
Associate Degree Applicable
Advisory: Eligibility for ENGL 156.
Prepares theory and practice skills necessary for basic nursing care. Requires supervised clinical experiences in a skilled nursing facility. Upon completion of this course, students are eligible to take the Nurse Assistant
Training and Assessment Program Test (NATAP). This will allow the candidate to obtain a certificate as a nurse assistant in the state of California. Must be able to lift 50 pounds.

193 NURSING ASSISTANT SPECIAL TOPIC (4.0 to 0.5)
(Formerly NRAD 93)
Associate Degree Applicable
Examines a special topic in the field of study related to the discipline offering this course.

NURSING REGISTERED ASSOC. DEG.

201 FOUNDATIONS OF NURSING/CARING (2.0)
(Formerly NRAD 1)
2.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 201A.
Introduces caring theory as the essence of nursing. Foundational concepts include communication, teaching/learning, nursing process, life-span. Self-care and academic success principles are introduced. Surveys historical, social, legal, economic and ethical aspects of nursing, emphasizing critical thinking, patient advocacy and caring in a multicultural society.
Transfer: CSU.

201A NURSE CARING CONCEPTS (2.0)
(Formerly NRAD 1A)
2.0 hours lecture per week
Associate Degree Applicable
Prerequisite: Admission into the registered nursing program
Co-requisite: NRAD 201B
Applies the foundational caring concepts of communication, teaching, learning, nursing process, caring, energy and life span as a structure for nursing practice. Provides a foundation for health promotion in a multicultural society. Introduces independent learning modules.
Transfer: CSU.

201B NURSE CARING PRACTICUM I (5.0)
(Formerly NRAD 1B)
11.0 hours per week: (2.0 hours lecture, 9.0 hours laboratory)
Associate Degree Applicable
Prerequisite: Admission to the registered nursing program and Current Health Care Provider CPR card is required
Co-requisite: NRAD 201D
Applies nursing concepts to the practice of nursing. Presents related nursing procedures. Provides opportunities for student practice of procedures. Provides skill practice in lab setting for the student to perform nursing care for adults and geriatric clients through structured experiences in long-term care settings and acute care hospital settings. Student will identify personal biases as they relate to the provision of culturally sensitive nursing care. Application of nursing process and cultural concepts to individual nursing care.
Transfer: CSU.

201D DECISION MAKING DATA I (2.0)
(Formerly NRAD 1D)
2.0 hours lecture per week
Associate Degree Applicable
Prerequisite: Admission into the registered nursing program
Co-requisite: NRAD 201A
Presents fundamental concepts and nursing care problems related to pharmacology, nutrition, fluid and electrolyte balance, diagnostic testing, and acute pain for the adult and geriatric client. Introduces math calculations for medication administration. Explores application of nursing process to nursing care problems. Cultural concepts pertinent to nursing care problems are presented.
Transfer: CSU.

202A NURSE CARING FAMILY CONCEPTS (3.0)
(Formerly NRAD 2A)
3.0 hours lecture per week
Associate Degree Applicable
Prerequisite: NRAD 201B and/or admission to the nursing program
Co-requisite: NRAD 202B
Continues the study of caring concepts in greater depth and complexity. Teaches nursing care of the childbearing family, children and young through middle adulthood. Introduces family considerations in establishing short-term and long-term goals for health promotion. Continues focus on the individual assuming responsibility for health promotion and learning. Emphasizes planning, implementation and evaluation of nursing process in a multicultural society.
Transfer: CSU.

202B NURSE CARING PRACTICUM II (8.0)
(Formerly NRAD 2B)
20.0 hours per week: (2.0 hours lecture, 18.0 hours laboratory)
Associate Degree Applicable
Prerequisite: NRAD 201B and/or admission to the nursing program and Current Health Care Provider CPR card is required
Co-requisite: NRAD 202D
Applies nurse caring concepts to the clinical practice of nursing in a wide variety of health care settings. Presents related nurse caring skills. Provides opportunity to deliver planned culturally relevant nursing care for maternity clients, infants, children, and young/middle-aged adults in moderately structured clinical practice.
Transfer: CSU.

202D DECISION MAKING DATA II (2.0)
(Formerly NRAD 2D)
2.0 hours lecture per week
Associate Degree Applicable
Prerequisite: NRAD 201B and/or admission to nursing program
Co-requisite: NRAD 202A
Builds on fundamental concepts related to pharmacology, nutrition, diagnostic testing across the life span. Emphasis is placed on the role of the nurse in client education. Cultural concepts pertinent to nursing care problems are presented.
Transfer: CSU.

203 NURSING TRANSITIONS (1.0)
(Formerly NRAD 3)
2.0 hours lecture per week
Associate Degree Applicable
Prerequisite: 30 Unit Option Program Admission
Co-requisite: NRAD 203A
Introduces caring theory as the essence of nursing. Self care and academic success principles are introduced. Surveys legal and ethical aspects of nursing, emphasizing critical thinking, patient advocacy and caring in a multicultural society. Provides an 8-week transition course required for 30 unit option students.
Transfer: CSU.

203A NURSE CARING CONCEPTS III (2.0)
(Formerly NRAD 3A)
2.0 hours lecture per week
Associate Degree Applicable
Prerequisite: NRAD 202D and/or admission to the nursing program
Co-requisite: NRAD 203B
Applies nurse caring concepts to care of child, adult, and elderly clients with goal setting, energy, and caring problems. Includes cultural diversity and ethnic considerations, men and women’s health, musculoskeletal, nutrition and elimination, degenerative nervous system, liver, skin, acute oxygenation, hematologic, and vascular problems. Emphasizes nursing intervention.
Transfer: CSU.
203B NURSE CARING PRACTICUM III (5.0)
(Formerly NRAD 3B)
11.0 hours per week: (2.0 hours lecture, 9.0 hours laboratory)
Associate Degree Applicable
Prerequisite: NRAD 202D and/or admission to the nursing program and Current Health Care Provider CPR card is required
Co-requisite: NRAD 203D

203D NURSE CARING FOR MEDICAL-SURGICAL CLIENTS (2.0)
(Formerly NRAD 3D)
2.0 hours lecture per week
Associate Degree Applicable
Prerequisite: NRAD 202D and/or admission to the nursing program
Co-requisite: NRAD 203A
Applies nursing interventions of prevention, maintenance, restoration and caring to a variety of health problems: neurologic, genito-urinary, renal, endocrine. Content is related to pathophysiology, life span, barriers to goal-setting, nursing process and teaching/learning. Emphasis is also placed on the impact that this situational crisis has on the client and families ability to cope.
Transfer: CSU.

103G CRITICAL THINKING SEMINAR (1.0)
(Formerly NRAD 3G)
2.0 hours lecture per week
Associate Degree Applicable
Prerequisite: Admission to the nursing program
For the third semester nursing student. An analysis of complex patient scenarios that require independent critical thinking for the entry level nurse. Incorporates advanced assessment skills to modify and revise the care plan for complex clients.

103H THIRD SEMESTER NURSING READINESS (0.5)
(Formerly NRAD 3H)
4.5 hours lecture per week
Associate Degree Applicable
Prerequisite: Admission to the nursing program
Co-requisite: NRAD 203A
A course designed for registered nursing students entering the third semester. Nursing concepts necessary for success in the third semester are reviewed.

204 NURSE LEADERSHIP/MANAGEMENT (1.0)
(Formerly NRAD 4)
1.0 hours lecture per week
Associate Degree Applicable
Prerequisite: NRAD 203D and/or admission to the nursing program
Co-requisite: NRAD 204A
Continues to develop leadership and management content at the Associate Degree level as required for beginning practice. Includes the management process, assertion skills, organizational skills, decision making, and change theory. Explores work-role relationships and collegiality, including conflict resolution, reality shock and strategies to deal with burnout.
Transfer: CSU.

204A NURSE CARING CONCEPTS FOR CLIENTS PSYCHIATRICALLY AT RISK (2.0)
(Formerly NRAD 4A)
2.0 hours lecture per week
Associate Degree Applicable
Prerequisite: NRAD 203D and/or admission to the nursing program
Co-requisite: NRAD 204B
Applies nurse caring concepts to planning nursing care for clients at risk from mental illness, dysfunction and crisis. Presents assessment techniques, nursing diagnoses and specific nursing interventions.
Transfer: CSU.

204B NURSE CARING FOR PEOPLE AT RISK PRACTICUM (6.0)
(Formerly NRAD 4B)
18.0 hours laboratory per week
Associate Degree Applicable
Prerequisite: NRAD 203D and/or admission to the nursing program and Current Health Care Provider CPR card is required
Co-requisite: NRAD 204D
Applies culturally sensitive nursing care for people at risk in health care settings, which are varied and more complex. Provides client care experiences in a less structured environment and with increasing independence. Includes preceptorship experience, which covers a designated period of time and a variety of clients across the life span in a variety of settings.
Transfer: CSU.

204D NURSE CARING FOR PEOPLE AT RISK CONCEPTS (2.0)
(Formerly NRAD 4D)
2.0 hours lecture per week
Associate Degree Applicable
Prerequisite: NRAD 203D and/or admission to the nursing program
Co-requisite: NRAD 204
Applies nurse caring concepts to develop nursing care for clients at risk. Presents the critical care environment and how to establish priorities for clients with altered homeostasis. Emphasis is on clients with cardiovascular problems and crisis. Coping strategies, life style issues to promote health, and culturally relevant care are presented.
Transfer: CSU.

004E NCLEX PREPARATION (0.5)
(Formerly NRAD 4E)
0.5 hours lecture per week
Associate Degree Non-Applicable
Co-requisite: NRAD 204B
This course is to help prepare the RN student for the state licensing exam. Critical thinking strategies required to answer the NCLEX questions are presented. A portion of this class will be hands-on computer testing to simulate the state board testing format.

219 BEGINNING STUDENT INTERN (3.0 to 1.0)
(Formerly NRAD 19A)
9.0 hours laboratory per week
Associate Degree Applicable
Prerequisite: NRAD 202B
The intern is oriented to the course work under the supervision of a preceptor. Offers work experience in a participating agency.
Transfer: CSU.

120 SUPPLEMENTARY NURSING SKILLS PRACTICE (3.0 to 0.5)
(Formerly NRAD 20)
9.0 hours laboratory per week
Associate Degree Applicable
Co-requisite: Enrollment in the nursing program
Provides the opportunity to practice selected nursing skills learned during the first year of Associate Degree Nursing course work under the supervision of a preceptor. Offers work experience in a participating agency.

222 MEDICAL TERMINOLOGY (3.0)
(Formerly NRAD 22)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: ENGL 156
Introduces medical terminology for body structure, body systems, and diagnostic work. Prefixes, suffixes and combined root forms are used to identify medical terms.
Transfer: CSU.

214  INFANT NUTRITION  
(Formerly NUTR 14)  
3.0 hours lecture per week  
Associate Degree Applicable  
Examines the nutritional needs of the infant, including the importance of breastfeeding and its chemical composition as applied to the utilization of nutrients in the bodies of these particular individuals.  
Transfer: CSU.

216  TODDLER/PRESCHOOLER NUTRITION  
(Formerly NUTR 16)  
3.0 hours lecture per week  
Associate Degree Applicable  
Examines the nutritional needs of the toddler/preschooler, including the interpretation of food groups and their chemical composition as applied to the utilization of nutrients in the bodies of these particular individuals.  
Transfer: CSU.

218  MATERNAL & CHILD NUTRITION  
(Formerly NUTR 18)  
3.0 hours lecture per week  
Associate Degree Applicable  
Examines the nutritional requirements of the pregnant woman, developing fetus, infant, toddler and child.  
Transfer: CSU.

222  FOOD CUSTOMS AND CULTURE  
(Formerly NUTR 22)  
3.0 hours lecture per week  
Associate Degree Applicable  
Advisory: NUTR 210  
Examines the impact of stereotypes, stigmas, and discrimination on the health of non-dominant ethnic/racial and select minority groups (women, children and religious) based on their heritage consistent food patterns and preferences. Various socio-political, industrial, environmental, communication styles, and psychological factors influencing assimilation and acculturation will be analyzed to promote prejudice reduction and understanding of the meaning of food to cultures around the world. Non-traditional and/or experiential teaching/learning strategies may be used to evaluate nutritional excesses as well as deficiencies across the life span.  
Transfer: CSU.

230  NUTRITION FOR FITNESS AND SPORT  
(Formerly NUTR 30)  
3.0 hours lecture per week  
Associate Degree Applicable  
Advisory: ENGL 156 and NUTR 210  
Presents a specialized course relating nutrition to physical performance and fitness. Explores current trends, controversies, and professional publications. Provides opportunity to analyze various dietary recommendations and relate them to specific physical needs.  
Transfer: CSU.

247  INDEPENDENT STUDIES: NUTRITION  
(Formerly NUTR 47)  
(2.0 to 0.5)  
6.0 hours laboratory per week  
Associate Degree Applicable  
Prerequisite: The student must have completed preparatory course work in the field in which the study is to be undertaken.  
Provides an opportunity for an in-depth study or a practicum experience by an individual student in a selected topic of nutrition under the direction of an instructor.  
Transfer: CSU.
193  NUTRITION SPECIAL TOPIC  (Formerly NUTR 93)  
(4.0 to 0.5)  
Associate Degree Applicable  
Examines a special topic in the field of study related to the discipline offering this course.

193D  MATERNAL & CHILD NUTRITION  (Formerly NUTR 93D)  
(3.0)  
3.0 hours lecture per week  
Associate Degree Applicable

193F  FOOD SAFETY AND SANITATION  (Formerly NUTR 93F)  
(0.5)  
4.5 hours lecture per week  
Associate Degree Applicable

**OCEANOGRAPHY**

210  OCEANOGRAPHY  (Formerly OCEAN 10)  
(3.0)  
3.0 hours lecture per week  
Associate Degree Applicable  
Prerequisite: MATH 123 or MATH 123SI  
Advisory: ENGL 156 or ENGL 165  
An introductory course designed to acquaint the student with general oceanography. Topics treated include the history and scope of oceanography, properties of sea water, ocean currents, ocean waves and tides, submarine morphology and geology, marine sediments, life in the sea, and the significance of the oceans to local and global environments.

210L  OCEANOGRAPHY LABORATORY  (Formerly OCEAN 10L)  
(1.0)  
3.0 hours laboratory per week  
Associate Degree Applicable  
Prerequisite: Completion of or concurrent enrollment in OCEN 210  
Laboratory and field investigations of marine environments, including geologic, physical, chemical, and biological aspects of the ocean and coastal area. The course emphasizes changing physical factors and human activities as they affect the oceans.

247  INDEPENDENT STUDIES - OCEANOGRAPHY  (Formerly OCEAN 47)  
(4.0 to 0.5)  
6.0 hours laboratory per week  
Associate Degree Applicable  
Provides an opportunity for an in-depth study or a practicum experience by an individual student in a selected topic of Oceanography under the direction of an instructor.

**ONLINE**

101  INTRODUCTION TO ONLINE COURSES  (Formerly ONLINE 1)  
(0.5)  
4.5 hours laboratory per week  
Associate Degree Applicable  
Introduces students to the different types of technologies utilized in a distance education course. Students will determine if distance education is right for them and learn academic and technological skills for success in distance education and technology mediated courses.

**PARALEGAL**

101  INTRODUCTION TO LAW OFFICE PROCEDURES FOR PARALEGALS  (Formerly PARAL 1)  
(3.0)  
5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)  
Associate Degree Applicable  
Advisory: ENGL 156  
Introduces the professional responsibilities of the paralegal, including rules regarding ethical conduct and a basic overview of the legal system and research. Covers different law office management functions commonly performed by paralegals such as basic correspondence, billing and financial management, calendar and docket control management, file and record management, and library management.

102A  LAW OFFICE PROCEDURES FOR FAMILY LAW  (Formerly PARAL 2A)  
(1.0)  
3.0 hours laboratory per week  
Associate Degree Applicable  
Prerequisite: Completion of or concurrent enrollment in LGL 124  
Advisory: ENGL 156  
Introduces the terminology and procedures used in non-litigation matters and legal documents preparation in California Family Law matters.

102B  LAW OFFICE PROCEDURES FOR ESTATE PLANNING AND ADMINISTRATION  (Formerly PARAL 2B)  
(1.0)  
3.0 hours laboratory per week  
Associate Degree Applicable  
Prerequisite: Completion of or concurrent enrollment in LGL 123  
Advisory: ENGL 156  
Introduces the terminology and procedures used in non-litigation matters and legal documents preparation in probate and estate planning matters.

203  PARALEGAL INTERNSHIP  (Formerly PARAL 3)  
(3.0 to 1.0)  
8.0 hours per week: (0.5 hours lecture, 7.5 hours laboratory)  
Associate Degree Applicable  
Prerequisite: PLGL 101, PLGL 105 and LGL 220  
Provides students an opportunity to experience the responsibilities of an employee in a legal setting related to their courses in paralegal studies.

105  CIVIL/LITIGATION PROCEDURES AND DOCUMENTS  (Formerly PARAL 5)  
(3.0)  
5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)  
Associate Degree Applicable  
Prerequisite: CAOA 162, CAOA 120A or the ability to type 25 words per minute  
Advisory: ENGL 156  
Introduces the terminology and procedures used in general civil procedure and litigation including pretrial procedures, discovery, trial, and post trial procedures. Covers specific areas such as landlord/tenant disputes and employment disputes and includes procedures used in alternative dispute resolution such as arbitration and mediation. Sample pleadings, forms, and documents will be processed in logical sequence and will be accompanied by definitions, background information and step by step instructions and statements of procedures.

106  BUSINESS ORGANIZATIONS  (Formerly PARAL 6)  
(2.0)  
4.0 hours per week: (1.0 hours lecture, 3.0 hours laboratory)  
Associate Degree Applicable  
Prerequisite: Successful completion of or concurrent enrollment in BUS 218  
Advisory: ENGL 156  
Introduces the terminology and procedures used in non-litigation matters and legal document preparation in a business law practice.

107  PARALEGAL FAMILY LAW PRACTICE AND PROCEDURE  (Formerly PARAL 7)  
(3.0)  
4.0 hours per week: (2.5 hours lecture, 1.5 hours laboratory)  
Associate Degree Applicable  
Advisory: Eligibility for ENGL 156 or equiv.
Introduces the fundamental principles of California Family Law along with the terminology, procedures, and legal document and form preparation involved in family law matters. Topics include an overview of California law regarding marriage versus domestic partnerships, principles of community property law, marital and cohabitation agreements, legal separations, marital and domestic partnership dissolutions, annulments, spousal and domestic partner support, child custody and support, paternity, adoption, and domestic violence.

**108 ESTATE PLANNING AND ADMINISTRATION** (3.0)
(Formerly PARAL 8)
4.0 hours per week: (2.5 hours lecture, 1.5 hours laboratory)
Associate Degree Applicable
Advisory: Eligibility for ENGL 156 or equiv.
Introduces the fundamental principles of estate planning and administration along with the terminology, procedures, and legal document and form preparation involved in estate planning and administration matters. Topics cover aspects of estate planning including the preparation of wills, trusts, and related documents along with aspects of estate administration including probate proceedings and estate disposition outside of probate.

**130 INTERVIEWING AND INVESTIGATION FOR PARALEGALS** (1.0)
(Formerly PARAL 30)
1.0 hours lecture per week
Associate Degree Applicable
Presents investigative techniques and strategies and interviewing methods for evidence gathering for all areas of litigation.

**131 CURRENT ETHICAL ISSUES FOR PARALEGALS** (1.0)
(Formerly PARAL 31)
1.0 hours lecture per week
Associate Degree Applicable
Examines current ethical issues for paralegals using case law and examples of lawyer and paralegal misconduct.

**132 LEGAL TERMINOLOGY FOR PARALEGALS** (1.0)
(Formerly PARAL 32)
1.0 hours lecture per week
Associate Degree Applicable
Introduces the paralegal student to legal terminology commonly used in the areas of family law, civil litigation and procedures, criminal law, corporate law, administrative law and estate planning.

**147 INDEPENDENT STUDIES: PARALEGAL** (2.0 to 0.5)
(Formerly PARAL 47)
6.0 hours laboratory per week
Associate Degree Applicable
Prerequisite: The student must have completed preparatory course work in the field in which the study is to be undertaken.
Provides an opportunity for an in-depth study or a practicum experience by an individual student in a selected topic of Paralegal under the direction of an instructor.

**193 PARALEGAL SPECIAL TOPIC** (4.0 to 0.5)
(Formerly PARAL 93)
6.0 hours lecture per week
Associate Degree Applicable
Examines a special topic in the field of study related to the discipline offering this course.

**193A LEGAL TERMINOLOGY FOR PARALEGALS** (1.0)
(Formerly PARAL 93A)
6.0 hours lecture per week
Associate Degree Applicable

**193B CURRENT ETHICAL ISSUES FOR PARALEGALS** (1.0)
(Formerly PARAL 93B)
6.0 hours lecture per week
Associate Degree Applicable

**193C INTERVIEWING AND INVESTIGATION FOR PARALEGALS** (1.0)
(Formerly PARAL 93C)
6.0 hours lecture per week
Associate Degree Applicable

**193D LAW LIBRARY** (0.5)
(Formerly PARAL 93D)
4.5 hours lecture per week
Associate Degree Applicable

**PE ACTIVITIES**

**240 SWIMMING** (1.0 to 0.5)
(Formerly PEACT 40)
3.0 hours laboratory per week
Associate Degree Applicable
Advisory: Meet the objectives of the preceding skill level before enrolling in the advanced level.
Provides training for students wishing to improve swimming skills in order to increase recreational enjoyment, to improve stroke technique, and to increase endurance, strength, and stamina.
Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, PEAC, and PEAT courses).

**241 SPRINGBOARD DIVING** (1.0 to 0.5)
(Formerly PEACT 41)
3.0 hours laboratory per week
Associate Degree Applicable
Provides instruction and practice in springboard diving with emphasis on coordination, body mechanics and mastery of diving techniques.
Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, PEAC, and PEAT courses).

**242 WATER POLO** (1.0 to 0.5)
(Formerly PEACT 42)
3.0 hours laboratory per week
Associate Degree Applicable
Provides the opportunity for swimmers to develop an interest in and knowledge of water polo. Presents the rules and fundamental skills of the game.
Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, PEAC, and PEAT courses).

**247 INDEPENDENT STUDIES: PHYSICAL EDUCATION ACTIVITY** (2.0 to 0.5)
(Formerly PEACT 47)
6.0 hours laboratory per week
Associate Degree Applicable
Advisory: The student must have completed preparatory course work in the field in which the study is to be undertaken.
Provides an opportunity for an in-depth study or skill development experience by an individual student in a selected topic of physical education under the direction of an instructor.
Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, PEAC, and PEAT courses).

**250 WRESTLING** (1.0 to 0.5)
(Formerly PEACT 50)
3.0 hours laboratory per week
Associate Degree Applicable
Presents the basic skill techniques involved in freestyle, Greco-Roman and...
college-style wrestling. Emphasizes active participation in drill and scrimmage situations.

Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, PEAC and PEAT courses).

264 STEP TRAINING (1.0)
(Formerly PEACT 64)
3.0 hours laboratory per week
Associate Degree Applicable
Presents a total fitness program, including cardiovascular, muscular strength and flexibility fitness through a step training program.

Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, PEAC and PEAT courses).

265 ADULT FITNESS (1.0 to 0.5)
(Formerly PEACT 65)
3.0 hours laboratory per week
Associate Degree Applicable
Presents the opportunity, methods, materials, and knowledge for the student to begin a lifetime adult physical fitness program.

Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, PEAC and PEAT courses).

266 ENDURANCE CONDITIONING (1.0 to 0.5)
(Formerly PEACT 66)
3.0 hours laboratory per week
Associate Degree Applicable
Presents a programmed method of cardiovascular/respiratory fitness through walking, running, swimming and/or cycling.

Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, PEAC and PEAT courses).

268 STRETCHING ROUTINES FOR FITNESS AND SPORTS (1.0 to 0.5)
(PEACT 68)
3.0 hours laboratory per week
Associate Degree Applicable
Presents a program of controlled stretch patterns to increase flexibility, relax tension, and help prevent injuries in sports activities.

Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, PEAC and PEAT courses).

269 CIRCUIT WEIGHT TRAINING (1.0 to 0.5)
(PEACT 69)
3.0 hours laboratory per week
Associate Degree Applicable
Introduces an open laboratory physical fitness course designed to develop muscular endurance and strength. Presents an opportunity to develop a positive attitude and work habits leading to cardiovascular efficiency, optimum body composition and flexibility.

Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, PEAC and PEAT courses).

270 WEIGHT TRAINING (1.0 to 0.5)
(Formerly PEACT 70)
3.0 hours laboratory per week
Associate Degree Applicable
Presents the different concepts of strength, endurance and muscle tone development of weight training. Students will use machine and free weights for fitness development.

Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, PEAC and PEAT courses).

281 BADMINTON (1.0 to 0.5)
(Formerly PEACT 81)
3.0 hours laboratory per week
Associate Degree Applicable
Emphasizes skill techniques, strategy of singles and doubles, rule interpretation, and court etiquette of badminton.

Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, PEAC and PEAT courses).

283 GOLF (1.0 to 0.5)
(Formerly PEACT 83)
3.0 hours laboratory per week
Associate Degree Applicable
Presents an opportunity to develop one’s knowledge and skills in the sport of golf. Instruction emphasizes rules, strategy, etiquette and technique.

Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, PEAC and PEAT courses).

285 TENNIS (1.0 to 0.5)
(Formerly PEACT 85)
3.0 hours laboratory per week
Associate Degree Applicable
Advisory: Meet the objectives of the preceding skill level before enrolling in the advanced levels.
Beginning Tennis: Introduces the basic skills and strokes used in controlling play, rules, and etiquette of the game. Intermediate Tennis: Reviews basic ground strokes, improves serving technique, introduces advanced skills and starts on basic strategy patterns. Advanced Tennis: Presents individual instruction to develop player’s own personal stroke pattern and refine skills in a competitive atmosphere.

Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, PEAC and PEAT courses).

291 BASEBALL (1.0 to 0.5)
(Formerly PEACT 91)
3.0 hours laboratory per week
Associate Degree Applicable
Presents the skills, drills, theory and practice of advanced baseball. Presents individual and team instruction to develop player’s own personal skills in a competitive atmosphere.

Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, PEAC and PEAT courses).

292 BASKETBALL (1.0 to 0.5)
(Formerly PEACT 92)
3.0 hours laboratory per week
Associate Degree Applicable
Emphasizes basic skills, techniques, theories, strategies, and rule interpretations used in basketball.

Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, PEAC and PEAT courses).

193 PHYSICAL EDUCATION SPECIAL TOPIC (4.0 to 0.5)
(Formerly PEACT 93)
Associate Degree Applicable
Examines a special topic in the field of study related to the discipline offering this course.

193B PROGRESSIVE RESISTANCE TRAINING IN ATHLETICS (1.0)
(Formerly PEACT 93B)
9.0 hours laboratory per week
Associate Degree Applicable
Presents the concepts of muscular endurance, cardiovascular development, and resistance training to improve overall muscle tone, cardiovascular fitness and body composition. Students will use various exercise equipment in a guided environment to improve overall fitness.
PE ATHLETICS

193D CARDIO KICKBOXING (1.0)  (Formerly PEACT 93D)
3.0 hours laboratory per week
Associate Degree Applicable

193E CYCLING FOR CARDIO FITNESS (1.0)  (Formerly PEACT 93E)
3.0 hours laboratory per week
Associate Degree Applicable

193F YOGA (3.0)  (Formerly PEACT 93F)
3.0 hours laboratory per week
Associate Degree Applicable
Introduces the ancient discipline of personal development which balances the mind, body, and spirit. Students will learn the history of Yoga and a series of physical postures (asanas) as well as practical methods of proper breathing, relaxation, meditation, concentration that promotes health, alleviates stress, improve skeletal alignment, and increases muscular strength and flexibility.

193G ATHLETIC SKILL AND TRAINING DEVELOPMENT (0.5)  (Formerly PEACT 93G)
1.5 hours laboratory per week
Associate Degree Applicable
Provides advanced skills and strategy to prepare students for athletic competition.

295 SOCCER (1.0 to 0.5)  (Formerly PEACT 95)
3.0 hours laboratory per week
Associate Degree Applicable
Introduces techniques, tactics, skills, and attitudes inherent to the sport of soccer.
Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, PEAC and PEAT courses).

296 SOFTBALL (1.0 to 0.5)  (Formerly PEACT 96)
3.0 hours laboratory per week
Associate Degree Applicable
Presents theory, practice, and strategy of fastpitch softball.
Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, PEAC and PEAT courses).

297 VOLLEYBALL (1.0 to 0.5)  (Formerly PEACT 97)
3.0 hours laboratory per week
Associate Degree Applicable
Presents the theory, practice, history, and fundamentals of volleyball. Includes offensive and defensive aspects of the game.
Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, PEAC and PEAT courses).

206 PILATES FOR HEALTH AND FITNESS (1.0 to 0.5)  (Formerly PEACT 106)
3.0 hours laboratory per week
Associate Degree Applicable
Presents a progressive exercise program using the Pilates method. Exercises encompass the strength and flexibility fitness components, while focusing on alignment, efficiency of movement, balance and coordination.
Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, PEAC and PEAT courses).

225 INTERCOLLEGIATE BASEBALL: MEN (3.0 to 1.5)  (Formerly PEATH 25)
10.0 hours laboratory per week
Associate Degree Applicable
Develops advanced knowledge and skills in the sport of baseball. Appropriate for students desiring the physical, mental, and emotional challenges inherent in intercollegiate baseball competition.
Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, PEAC and PEAT courses).

226 INTERCOLLEGIATE BASKETBALL: MEN (3.0 to 1.5)  (Formerly PEATH 26)
10.0 hours laboratory per week
Associate Degree Applicable
Considers broad aspects of intercollegiate basketball competition with emphasis on offensive and defensive floor strategies. Attention is given to physical conditioning necessary for engaging in competitive sports and the responsibilities required of a player who participates in a team activity.
Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, PEAC and PEAT courses).

227 INTERCOLLEGIATE BASKETBALL: WOMEN (3.0 to 1.5)  (Formerly PEATH 27)
10.0 hours laboratory per week
Associate Degree Applicable
Considers broad aspects of intercollegiate basketball. Emphasizes offensive and defensive floor strategies, the physical conditioning necessary for engaging in competitive sports, and the responsibilities required of a player who participates in a team activity.
Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, PEAC and PEAT courses).

228 INTERCOLLEGIATE CROSS COUNTRY (3.0 to 1.5)  (Formerly PEATH 28)
10.0 hours laboratory per week
Associate Degree Applicable
Presents the theory and practice of cross country running and includes participation in intercollegiate competition.
Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, PEAC and PEAT courses).

231 INTERCOLLEGIATE SOFTBALL: WOMEN (3.0 to 1.5)  (Formerly PEATH 31)
10.0 hours laboratory per week
Associate Degree Applicable
Develops advanced knowledge and skill in the sport of women’s softball. Provides the physical, mental, and emotional challenges inherent in intercollegiate competition.
Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, PEAC and PEAT courses).

232 SWIMMING AND DIVING (3.0 to 1.5)  (Formerly PEATH 32)
10.0 hours laboratory per week
Associate Degree Applicable
Presents an opportunity for physically advanced students to further develop knowledge and skill in the sport of swimming and diving. Appropriate for students desiring the physical, mental and emotional challenges that are inherent in competition.
Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, PEAC and PEAT courses).

233 INTERCOLLEGIATE TENNIS (3.0 to 1.5)  (Formerly PEATH 33)
10.0 hours laboratory per week
Associate Degree Applicable
Presents an opportunity for advanced tennis students to further develop a knowledge and skill in the sport. Appropriate for students desiring the physical, mental, and emotional challenge of intercollegiate competition.

Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, PEAC and PEAT courses).

234 INTERCOLLEGIATE TRACK AND FIELD (3.0 to 1.5)
(Formerly PEATH 34)
10.0 hours laboratory per week
Associate Degree Applicable
Presents the theory and practice of track and field athletics. Includes the rules and fundamentals of the track and field events and participation in intercollegiate track meets.
Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, PEAC and PEAT courses).

235 INTERCOLLEGIATE VOLLEYBALL: WOMEN (3.0 to 1.5)
(Formerly PEATH 35)
10.0 hours laboratory per week
Associate Degree Applicable
Presents an opportunity for physically advanced students to further develop a knowledge and skill in the sport of volleyball. This offering is appropriate for students desiring the physical, mental and emotional challenges that are inherent in competition against students representing other colleges.
Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, PEAC and PEAT courses).

236 INTERCOLLEGIATE WATER POLO (3.0 to 1.5)
(Formerly PEATH 36)
10.0 hours laboratory per week
Associate Degree Applicable
Presents an opportunity for physically advanced students to further develop a knowledge and skill in the sport of water polo. This offering is appropriate for students desiring the physical, mental and emotional challenges that are inherent in competition against students representing other colleges.
Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, PEAC and PEAT courses).

237 INTERCOLLEGIATE WRESTLING (3.0 to 1.5)
(Formerly PEATH 37)
10.0 hours laboratory per week
Associate Degree Applicable
Develops knowledge and skill in the sport of wrestling. Emphasizes skill instruction and conditioning techniques that prepare students for intercollegiate competition.
Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, PEAC and PEAT courses).

238 INTERCOLLEGIATE WOMEN’S SOCCER (3.0 to 1.5)
(Formerly PEATH 38)
10.0 hours laboratory per week
Associate Degree Applicable
Develops advanced knowledge and skills in the sport of soccer. Appropriate for students desiring the physical, mental and emotional challenges inherent in intercollegiate soccer competition.
Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, PEAC and PEAT courses).

239 WOMEN’S INTERCOLLEGIATE WATER POLO (3.0 to 1.5)
(Formerly PEATH 39)
10.0 hours laboratory per week
Associate Degree Applicable
Presents an opportunity for physically advanced students to further develop a knowledge and skill in the sport of water polo. This offering is appropriate for students desiring the physical, mental and emotional challenges that are inherent in competition against students representing other colleges.
Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, PEAC and PEAT courses).

247 INDEPENDENT STUDIES: PHYSICAL EDUCATION ATHLETICS (2.0 to 0.5)
(Formerly PEATH 47)
6.0 hours laboratory per week
Associate Degree Applicable
Prerequisite: The student must have completed preparatory course work in the field in which the study is to be undertaken.
Provides an opportunity for an in-depth study or skill development experience by an individual student in a selected topic of physical education athletics under the direction of an instructor.
Transfer: CSU.

193 PHYSICAL EDUCATION ATHLETICS SPECIAL TOPIC (4.0 to 0.5)
(Formerly PEATH 93)
Associate Degree Applicable
Examines a special topic in the field of study related to the discipline offering this course.

PE THEORY

203 INTRAMURAL AND RECREATIONAL SPORT PROGRAMMING (3.0)
(Formerly PETHRY 3)
4.0 hours per week: (2.5 hours lecture, 1.5 hours laboratory)
Associate Degree Applicable
Prerequisite: Eligibility for ENGL 156
Presents philosophy, foundations, policy and techniques underlying intramurals and recreational sport programming in schools, public, private and commercial recreation settings. Analyzes program design for club, informal, league and tournament formats. Discusses appropriate means for promotion, safety and risk management and participant recognition. Detailed sport program plan created.
Transfer: CSU; UC (UC credit limit of 8 semester credits total in PETH courses).

204 RECREATION PROGRAM PLANNING (3.0)
(Formerly PETHRY 4)
4.0 hours per week: (2.5 hours lecture, 1.5 hours laboratory)
Associate Degree Applicable
Advisory: Eligibility for ENGL 156
Presents a theoretical and practical approach to program planning, organization, implementation, and evaluation of recreation services in public, non-profit, private, and commercial settings. Emphasis on interrelationship of needs and interests of participants with goals and objectives, physical settings and activity content. Includes planning and conducting events under direct supervision of instructor and local agency supervisor.
Transfer: CSU; UC (UC credit limit of 8 semester credits total in PETH courses).

205 INTRODUCTION TO PHYSICAL EDUCATION (2.0)
(Formerly PETHRY 5)
2.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 156
Presents the heritage, current programs and the future potential of the physical education profession.
Transfer: CSU; UC.

207 INTRODUCTION TO RECREATION AND LEISURE SERVICES (3.0)
(Formerly PETHRY 7)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 156.
Introduces the history, philosophy, principles, organization and direction of recreation and leisure services in the public, voluntary, private and commercial sectors. Emphasizes functions, areas, facilities, clientele and career opportunities available within the profession.

Transfer: CSU; UC (UC credit limit of 8 semester credits total in PETH courses).

208 RECREATION LEADERSHIP (3.0)
(Formerly PETHRY 8)
4.0 hours per week: (2.5 hours lecture, 1.5 hours laboratory)
Associate Degree Applicable
Advisory: Eligibility for ENGL 156.
Presents the history, the philosophy, and the theory of recreation leadership and the associated techniques used by modern recreation and leisure professionals. Emphasizes leadership styles, characteristics and skills.
Transfer: CSU; UC (UC credit limit of 8 semester credits total in PETH courses).

210 STUDENT/ATHLETE SUCCESS (3.0)
(Formerly PETHRY 10)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 156.
Designed to increase the student’s success in college by assisting the student in obtaining the knowledge of concepts necessary to reach educational objectives. Information and opportunities are provided for students to learn and adopt methods to be successful in college and life.
Transfer: CSU; UC (UC credit limit of 8 semester credits total in PETH courses. Maximum credit of one course between ACSK 225 and PETH 210).

213 INTRODUCTION TO PREVENTION AND CARE OF ATHLETIC INJURIES (2.0)
(Formerly PETHRY 13)
4.0 hours per week: (1.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Advisory: Eligibility for ENGL 156.
Provides the student with basic exposure to the care and prevention of activity injuries. Includes general principles in sports medicine and athletic training.
Transfer: CSU; UC (UC credit limit of 8 semester credits total in PETH courses).

214 FOUNDATIONS FOR FITNESS (3.0)
(Formerly PETHRY 14)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 156.
Presents the physiological principles and other factors that provide the foundations for the development and maintenance of optimal physical fitness.
Transfer: CSU; UC (UC credit limit of 8 semester credits total in PETH courses).

215 THEORY OF BASEBALL (2.0)
(Formerly PETHRY 15)
2.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 156.
Presents all the fundamental phases of defensive and offensive baseball. Lectures, chalkboard discussion, demonstrations, and video studies are included in the course.
Transfer: CSU; UC (UC credit limit of 8 semester credits total in PETH courses).

216 THEORY OF TRACK AND FIELD AND CROSS COUNTRY (2.0)
(Formerly PETHRY 16)
4.0 hours per week: (1.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Advisory: Eligibility for ENGL 156.
Introduces the basic fundamentals, techniques, rules, regulations and organization of track and field and cross country.

Transfer: CSU; UC (UC credit limit of 8 semester credits total in PETH courses).

218 FUNDAMENTALS OF PERSONAL TRAINING AND EXERCISE LEADERSHIP (3.0)
(Formerly PETHRY 18)
5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Advisory: Eligibility for ENGL 156.
Presents fundamentals of personal training and leading exercise with healthy populations. Students will demonstrate skills in formulating and evaluating risk and fitness assessments, exercise prescriptions and conducting both group and individual training sessions.
Transfer: CSU; UC (UC credit limit of 8 semester credits total in PETH courses).

221 WATER SAFETY INSTRUCTOR (2.0)
(Formerly PETHRY 21)
4.0 hours per week: (1.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Advisory: Eligibility for ENGL 156.
Prepares individuals to effectively assume the duties and responsibilities of lifeguards at swimming pools and protected (no-surf) open water beaches.
Transfer: CSU; UC (UC credit limit of 8 semester credits total in PETH courses).

PHILOSOPHY

205 INTRODUCTION TO THE BIBLE (3.0)
(Formerly PHIL 5)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 156.
Introduces the literature of the Hebrew scriptures and the Christian New Testament through their history, literary conventions, authors, and sources.
Transfer: CSU; UC.

206 INTRODUCTION TO PHILOSOPHY (3.0)
(Formerly PHIL 6)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 156.
Presents the scope, methods, and concepts of major philosophers. Analyzes their philosophies through the reading of selections from original texts.
Transfer: CSU; UC.

208 INTRODUCTION TO LOGIC (3.0)
(Formerly PHIL 8)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 156.
Presents a study of language and its functions, definitions, informal fallacies, inductive reasoning, and the fundamental concepts and techniques of traditional and modern logic.
Transfer: CSU; UC.
### WORLD RELIGIONS

(Formerly PHIL 9)

3.0 hours lecture per week  
Associate Degree Applicable  
Advisory: Eligibility for ENGL 201A.

Presents the history, concepts, and cultures of the world’s major religions. Emphasizes Judaism, Christianity, Islam, Hinduism, and Buddhism. Surveys Jainism, Confucianism, Taoism, Zoroastrianism, Shintoism, and Sikhism.

Transfer: CSU; UC.

### PHYSICAL SCIENCE

#### PHYSICAL SCIENCE: PHYSICS AND CHEMISTRY

(Formerly PHYSCI 1A)

3.0 hours lecture per week  
Associate Degree Applicable  
Prerequisite: MATH 123, MATH 123SI or equivalent  
Advisory: ENGL 156 or ENGL 165.

Presents a survey of the physical sciences, physics, and chemistry. Not open to students who have credit for any college chemistry or physics course.

Transfer: CSU; UC (For UC, no credit if taken after a college level course in Chemistry or Physics).

#### PHYSICAL SCIENCE: ASTRONOMY AND GEOLOGY

(Formerly PHYSCI 1B)

3.0 hours lecture per week  
Associate Degree Applicable  
Prerequisite: MATH 123, MATH 123SI or equivalent  
Advisory: ENGL 156 or ENGL 165.

Presents a survey of the physical sciences, astronomy, and geology. Not open to students who have credit for any college geology or astronomy course.

Transfer: CSU; UC (For UC, no credit if taken after a college level course in Chemistry or Physics).

#### PHYSICS

### GENERAL PHYSICS

#### GENERAL PHYSICS

(Formerly PHYS 5A)

6.0 hours per week: (3.0 hours lecture, 3.0 hours laboratory)  
Associate Degree Applicable  
Prerequisite: MATH 229 or MATH 231 or equivalent.

Presents the principles of statics and dynamics of particles and rigid bodies, harmonic motion, fluid mechanics, heat, thermodynamics, wave motion and sound using trigonometry.

Transfer: CSU; UC (For UC, credit for one series only between PHYS 205A-205B and PHYS 208A-208B-208C).

#### PRINCIPLES OF PHYSICS

(Formerly PHYS 5B)

6.0 hours per week: (3.0 hours lecture, 3.0 hours laboratory)  
Associate Degree Applicable  
Prerequisite: PHYS 205A or equivalent.

Presents the principles of geometric optics, physical optics, static and dynamic electricity and magnetism, introductory D.C. and A.C. circuit theory, relativity, particles and waves, atomic structure, radioactivity and nuclear reactions using trigonometry.

Transfer: CSU; UC (For UC, credit for one series only between PHYS 205A-205B and PHYS 208A-208B-208C).

#### MODERN PHYSICS

(Formerly PHYS 8A)

7.0 hours per week: (4.0 hours lecture, 3.0 hours laboratory)  
Associate Degree Applicable  
Prerequisite: MATH 265A or equivalent.

Presents the principles of wave motion, sound, geometric and physical optics, static and dynamic electricity, and magnetism, introductory D.C. and A.C. circuit theory, relativity, particles and waves, atomic structure, radioactivity and nuclear reactions using calculus.

Transfer: CSU; UC (For UC, credit for one series only between PHYS 205A-205B and PHYS 208A-208B-208C).

#### PRINCIPLES OF PHYSICS

(Formerly PHYS 8B)

7.0 hours per week: (4.0 hours lecture, 3.0 hours laboratory)  
Associate Degree Applicable  
Prerequisite: PHYS 205A and MATH 265B.

Presents the principles of wave motion, sound, geometric and physical optics, static and dynamic electricity and magnetism, introductory D.C. and A.C. circuit theory and electromagnetic waves using calculus.

Transfer: CSU; UC (For UC, credit for one series only between PHYS 205A-205B and PHYS 208A-208B-208C).

#### MODERN PHYSICS

(Formerly PHYS 8C)

3.0 hours per week  
Associate Degree Applicable  
Prerequisite: PHYS 208B.

Presents the principles of relativity, waves and particles, Bohr theory, quantum mechanics and Schroedinger’s equation, elementary atomic structure, nuclear structure and radioactivity using calculus and vector algebra.

Transfer: CSU; UC (For UC, credit for one series only between PHYS 205A-205B and PHYS 208A-208B-208C).
210  INTRODUCTION TO PHYSICS  (3.0)  
(Formerly PHYS 10)  
3.0 hours lecture per week  
Associate Degree Applicable  
Prerequisite: MATH 123 or MATH 123SI  
Advisory: ENGL 156 or ENGL 165  
Retakes are currently enrolled in either PHYS 208A or PHYS 208B and is closely aligned with the pace and topics presented in these classes. 

230  TECHNICAL PHYSICS  (3.0)  
(Formerly PHYS 30)  
3.0 hours lecture per week  
Associate Degree Applicable  
Prerequisite: MATH 124A or equivalent  
Co-requisite: MATH 124B or equivalent  
This course presents students in calculus-based physics with additional emphasis on contemporary political issues and problems. Not open to students who have credit for PHYSCI 1A.  
Transfer: CSU; UC (For UC, no credit if taken after PHYS 205A, 208A or PSCI 201A).  

247  INDEPENDENT STUDIES – PHYSICS  (4.0 to 0.5)  
(Formerly PHYS 47)  
6.0 hours laboratory per week  
Associate Degree Applicable  
Provides an opportunity for an in-depth study or a practicum experience by an individual student in a selected topic of Physics under the direction of an instructor.  
Transfer: CSU.  

193  PHYSICS SPECIAL TOPIC  (4.0 to 0.5)  
(Formerly PHYS 93)  
Associate Degree Applicable  
Examines a special topic in the field of study related to the discipline offering this course.  

193A  PHYSICS RESEARCH SEMINAR  (1.5)  
(Formerly PHYS 93A)  
3.0 hours per week: (1.0 hours lecture, 2.0 hours laboratory)  
Associate Degree Applicable  
Instructs and guides students with an interest in physics, astrophysics, or geophysics in planning and conducting their own modest research topic and presenting their results as a scientific paper and talk. Hands-on class develops skills directly applicable to research papers, and senior projects.  

193B  ADDITIONAL PROBLEM SOLVING TOPICS FOR PHYSICS 208A/B  (1.0)  
(Formerly PHYS 93B)  
1.0 hours lecture per week  
Associate Degree Applicable  
This course presents students in calculus-based physics with additional problems and problem solving strategies. It is designed for students who are currently enrolled in either PHYS 208A or PHYS 208B and is closely aligned with the pace and topics presented in these classes.  

201  INTRODUCTION TO POLITICAL SCIENCE  (3.0)  
(Formerly POLSCI 1)  
3.0 hours lecture per week  
Associate Degree Applicable  
Advisory: Eligibility for ENGL 156.  
Retakes are currently enrolled in either PHYS 208A or PHYS 208B and is closely aligned with the pace and topics presented in these classes.  
Transfer: CSU; UC.  

202  GOVERNMENT AND POLITICS OF THE UNITED STATES  (3.0)  
(Formerly POLSCI 2)  
3.0 hours lecture per week  
Associate Degree Applicable  
Advisory: Eligibility for ENGL 156.  
Retakes are currently enrolled in either PHYS 208A or PHYS 208B and is closely aligned with the pace and topics presented in these classes.  
Transfer: CSU; UC.  

204  WORLD POLITICS  (3.0)  
(Formerly POLSCI 4)  
3.0 hours lecture per week  
Associate Degree Applicable  
Advisory: Eligibility for ENGL 156.  
Retakes are currently enrolled in either PHYS 208A or PHYS 208B and is closely aligned with the pace and topics presented in these classes.  
Transfer: CSU; UC.  

205  LAW AND POLITICS  (3.0)  
(Formerly POLSCI 5)  
3.0 hours lecture per week  
Associate Degree Applicable  
Advisory: Eligibility for ENGL 156.  
Retakes are currently enrolled in either PHYS 208A or PHYS 208B and is closely aligned with the pace and topics presented in these classes.  
Transfer: CSU; UC.  

206  COMPARATIVE GOVERNMENT  (3.0)  
(Formerly POLSCI 6)  
3.0 hours lecture per week  
Associate Degree Applicable  
Advisory: Eligibility for ENGL 156.  
Retakes are currently enrolled in either PHYS 208A or PHYS 208B and is closely aligned with the pace and topics presented in these classes.  
Transfer: CSU; UC.  

209  INTRODUCTION TO POLITICAL THEORY  (3.0)  
(Formerly POLSCI 9)  
3.0 hours lecture per week  
Associate Degree Applicable  
Advisory: POLS 201 and Eligibility for ENGL 201A.  
Retakes are currently enrolled in either PHYS 208A or PHYS 208B and is closely aligned with the pace and topics presented in these classes.  
Transfer: CSU; UC.  

137  GOVERNMENT/POLITICS INTERNSHIP  (3.0 to 1.0)  
(Formerly POLSCI 37)  
9.0 hours laboratory per week  
Associate Degree Applicable  
Prerequisite: POLS 202 and approval of instructor.  
Provides practical experience in the office of an elected representative, a government agency, or a non-governmental organization. Instructor will coordinate placement.  

247  INDEPENDENT STUDIES: POLITICAL SCIENCE  (2.0 to 0.5)  
(Formerly POLSCI 47)  
6.0 hours laboratory per week  
Associate Degree Applicable  
Prerequisite: The student must have completed preparatory course work in the field in which the study is to be undertaken.  

Provides an opportunity for an in-depth study or practicum experience by an individual student in a selected topic of government under the direction of an instructor.

Transfer: CSU.

### PSYCHIATRIC TECHNICIAN

**207 NURSING SCIENCE** (19.5)

(Formerly PSYTEC 7)

36.0 hours per week: (15.5 hours lecture, 20.5 hours laboratory)

Associate Degree Applicable

Prerequisite: PSYT 110

Introduction to the field of human health and physical health. Principles of Theory and Clinical Skills are applied in the care of patients in Long Term Care and Respite Day Care facilities. Students demonstrate competencies in skill performance in a simulated clinical setting. Principles of Nursing Process, Standard Nursing Care for a variety of common diseases and care of the elderly are also a focus.

Transfer: CSU.

**208 CARE OF THE DEVELOPMENTALLY DISABLED** (18.0)

(Formerly PSYTEC 8)

34.0 hours per week: (13.0 hours lecture, 21.0 hours laboratory)

Associate Degree Applicable

Prerequisite: PSYT 207


Transfer: CSU.

**209 PSYCHIATRIC NURSING** (18.5)

(Formerly PSYTEC 9)

34.5 hours per week: (14.0 hours lecture, 20.5 hours laboratory)

Associate Degree Applicable

Prerequisite: PSYT 207


Transfer: CSU.

**110 INTRODUCTION TO PSYCHIATRIC TECHNICIAN** (6.5)

(Formerly PSYTEC 10)

40.0 hours lecture per week

Associate Degree Applicable

Prerequisite: Admission to the Psychiatric Technician Program

Introduction to psychiatric technician training program. Concepts necessary to practice safely and legally in a forensic mental institution are presented. The effect of culture and its affect on the client and care are presented.

**193 PSYCHIATRIC TECHNICIAN SPECIAL TOPIC** (4.0 to 0.5)

(Formerly PSYTEC 93)

Associate Degree Applicable

Examines a special topic in the field of study related to the discipline offering this course.
### REAL ESTATE

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<td>204</td>
<td>INTRODUCTION TO CRIMINOLOGY</td>
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206 MINORITY GROUP RELATIONS  
(Formerly SOC 6) 
3.0 hours lecture per week 
Associate Degree Applicable 
Advisory: SOC 201A and eligibility for ENGL 156. 
Surveys the characteristics of selected minority groups in America. Studies issues and social conflicts associated with minority-group dominant relationships. 
Transfer: CSU; UC.

208 INTRODUCTION TO WOMEN’S STUDIES  
(Formerly SOC 8) 
3.0 hours lecture per week 
Associate Degree Applicable 
Advisory: ENGL 156. 
Studies the interaction of gender and society. Introduces theories of gender differentiation, stratification, and gender roles. Discusses research methodology and examines current research on gender, both within and outside the United States. Investigates how social and cultural factors (e.g., race, class) have shaped the lives of men and women as well as how they have affected their social and cultural environments. Examines the role and status of U.S. women and men within the larger social structure. Women and men in varying cultural settings will be examined, with an emphasis on how social systems shape the roles of women and affect larger U.S. institutions. 
Transfer: CSU.

247 INDEPENDENT STUDIES: SOCIOLOGY  
(2.0 to 0.5) 
(Formerly SOC 47) 
6.0 hours laboratory per week 
Associate Degree Applicable 
Prerequisite: The student must have completed preparatory course work in the field in which the study is to be undertaken. 
Provides an opportunity for an in-depth study or a practicum experience by an individual student in a selected topic of sociology under the direction of an instructor. 
Transfer: CSU.

SPANISH  

201 ELEMENTARY SPANISH  
(4.0) 
(Formerly SPAN 1) 
5.0 hours per week: (4.0 hours lecture, 1.0 hours laboratory) 
Associate Degree Applicable 
Presents a topic-based, introductory course in contemporary Spanish with emphasis on listening comprehension, language acquisition, oral interaction, culture-centered reading, and writing basic Spanish. Social and cultural aspects of the Spanish-speaking world are presented along with some of the most essential forms, structures, and vocabulary in the language. Language laboratory practice is required. 
Transfer: CSU; UC.

202 SPANISH  
(4.0) 
(Formerly SPAN 2) 
5.0 hours per week: (4.0 hours lecture, 1.0 hours laboratory) 
Associate Degree Applicable 
Prerequisite: SPAN 201 or equivalent 
Presents a continuation of SPAN 201 with a topic-centered, intensive practice in listening comprehension, language acquisition, oral interaction, and writing development. Selected readings from the Hispanic world include cultural vignettes, prose, and poetry. Language laboratory practice is required. 
Transfer: CSU; UC.

203 SPANISH  
(Formerly SPAN 3) 
5.0 hours per week: (4.0 hours lecture, 1.0 hours laboratory) 
Associate Degree Applicable 
Prerequisite: SPAN 202 or equivalent 
Presents a continuation of SPAN 202 incorporating an intensive review with topic-centered intensive practice in listening comprehension, language acquisition, oral interaction, and paragraph writing. Selected readings from the Hispanic world include social, cultural, and history vignettes, prose, and poetry. Language laboratory practice is required. 
Transfer: CSU; UC.

204 SPANISH  
(Formerly SPAN 4) 
5.0 hours per week: (4.0 hours lecture, 1.0 hours laboratory) 
Associate Degree Applicable 
Prerequisite: SPAN 203 or equivalent 
Presents a continuation of SPAN 203 and gives extensive practice in composition, conversation, and comprehension. Drawing from authentic sources, the course provides a comprehensive grammar review, extensive oral practice and an introduction to literary concepts. Competency reflects the students’ emerging ability to perform both orally and in written form with complicated situations. Language lab practice is required. Lab material is computer-based and includes an interactive CD ROM, digitalized video and extensive on-line resources either created or organized by the instructor. 
Transfer: CSU; UC.

210 CONVERSATIONAL SPANISH WITH A FOCUS ON DAILY ACTIVITIES  
(1.0) 
(Formerly SPAN 10) 
2.0 hours lecture per week 
Associate Degree Applicable 
Prerequisite: SPAN 201 or equivalent 
Presents an opportunity to practice and build upon previously acquired Spanish speaking and listening skills. Through topic-based conversations, guided discussions and skills building activities (both controlled and spontaneous), students will continue to develop their oral/aural abilities in Spanish. Course emphasis will include increasing speaking proficiency and adding to awareness of aspects of the diverse Hispanic culture. This course is offered in 9 week modules. The vocabulary component varies in accordance with the topic of the module. The grammar component is common to all modules. This course is taught in Spanish. 
Transfer: CSU.

247 INDEPENDENT STUDIES: SPANISH  
(2.0 to 0.5) 
(Formerly SPAN 47) 
6.0 hours laboratory per week 
Associate Degree Applicable 
Prerequisite: The student must have completed preparatory course work in the field in which the study is to be undertaken. 
Provides an opportunity for an in-depth study or a practicum experience by an individual student in a selected topic of Spanish under the direction of an instructor. 
Transfer: CSU.

193 SPANISH SPECIAL TOPIC  
(4.0 to 0.5) 
(Formerly SPAN 93) 
Associate Degree Applicable 
Examines a special topic in the field of study related to the discipline offering this course.

401 HSD NON-CREDIT BASIC SKILLS SPANISH I  
(0.0) 
(Formerly SPAN 401) 
20.0 hours lecture per week 
This is an elective course towards a high school diploma. Per California Foreign Language Standards (1995), Spanish 1 focuses on teaching stu-
dents how to read, write, speak and understand standard Spanish at a basic level. Students will acquire basic vocabulary and grammar structures, including the simple present tense, noun-adjective agreement, subject-verb agreement, interrogatives, the immediate future tense, and the preterite tense. Students are exposed to and expected to work with the cultures of the Spanish-speaking countries of the world. Students will use Spanish selectively both within and beyond the school setting. This class requires students to participate in cultural projects, including comparing and contrasting other cultures to their own.

402 HSD NON-CREDIT BASIC SKILLS SPANISH II (0.0)  
(Formerly SPAN 402)  
20.0 hours lecture per week  
This is an elective course towards a high school diploma. Per California Foreign Language Standards (1995), Spanish 2 focuses on teaching students how to read, write, speak and understand standard Spanish at an intermediate level. As well as revisiting the grammar structures and topics focused on during Spanish 1, students will delve deeper into the relationship between the preterit and the imperfect, the use of direct and indirect object pronouns and reflexive pronouns, will learn the present subjunctive, conditional, and present perfect tenses, and be introduced to the Spanish passive voice and the imperfect subjunctive. They will reach further into their cultural knowledge in order to be able to express and defend opinions and will further refine and develop their language skills. Students will use Spanish selectively both within and beyond the school setting. This class requires students to participate in cultural projects, including comparing and contrasting other cultures to their own.

403 HSD NON-CREDIT BASIC SKILLS SPANISH III (0.0)  
(Formerly SPAN 403)  
20.0 hours lecture per week  
This is an elective course towards a high school diploma. Per California Foreign Language Standards (1995), Spanish 3 focuses on teaching students how to read, write, speak and understand standard Spanish at an intermediate level. As well as revisiting the grammar structures and topics focused on during Spanish 2, students will delve deeper into the relationship between the preterit and the imperfect, the use of direct and indirect object pronouns and reflexive pronouns, will learn the present subjunctive, conditional, and present perfect tenses, and be introduced to the Spanish passive voice and the imperfect subjunctive. They will reach further into their cultural knowledge in order to be able to express and defend opinions and will further refine and develop their language skills. Students will use Spanish selectively both within and beyond the school setting. This class requires students to participate in cultural projects, including comparing and contrasting other cultures to their own.

SPEECH COMMUNICATIONS

201A PUBLIC ADDRESS (3.0)  
(Formerly SPCH 1A)  
3.0 hours lecture per week  
Associate Degree Applicable  
Advisory: Eligibility for ENGL 156.  
Introduces public speaking with an emphasis on clear, logical organization and effective delivery of expository and persuasive speeches.  
Transfer: CSU; UC.

202A ORAL INTERPRETATION OF LITERATURE (3.0)  
(Formerly SPCH 2A)  
3.0 hours lecture per week  
Associate Degree Applicable  
Introduces students to the oral reading of prose, poetry, and dramatic literature. Emphasis is placed on techniques of delivery and literary analysis.  
Transfer: CSU; UC.

210 SMALL GROUP DISCUSSION (3.0)  
(Formerly SPCH 10)  
3.0 hours lecture per week  
Associate Degree Applicable  
Advisory: Eligibility for ENGL 156.  
Provides for an exploration of discussion techniques, personality interaction and group decision making. Students will select and research the topics for class discussions.  
Transfer: CSU.

212 INTERCULTURAL COMMUNICATION (3.0)  
(Formerly SPCH 12)  
3.0 hours lecture per week  
Associate Degree Applicable  
Advisory: Eligibility for ENGL 156.  
Focuses on the importance of culture and its effect on communication. Examines interactive patterns of communication across various cultural contexts (international, ethnic, gender, and class) and assess different methods and techniques of adapting communication to enhance and overcome the difficulties of intercultural communication. Analyzes how cultures adapt, borrow, communicate verbally and non-verbally, and are represented in a diverse world.  
Transfer: CSU; UC.

215 ARGUMENTATION AND DEBATE (3.0)  
(Formerly SPCH 15)  
3.0 hours lecture per week  
Associate Degree Applicable  
Advisory: Eligibility for ENGL 201A.  
Provides an opportunity for an in-depth study and a practicum experience by an individual student in a selected topic of speech under the direction of an instructor.  
Transfer: CSU.

247 INDEPENDENT STUDIES: SPEECH (2.0 to 0.5)  
(Formerly SPCH 47)  
6.0 hours laboratory per week  
Associate Degree Applicable  
Prerequisite: The student must have completed preparatory course work in the field in which the study is to be undertaken. Provides an opportunity for an in-depth study or a practicum experience by an individual student in a selected topic of speech under the direction of an instructor.  
Transfer: CSU.

193 SPEECH SPECIAL TOPIC (4.0 to 0.5)  
(Formerly SPCH 93)  
Associate Degree Applicable  
Examines a special topic in the field of study related to the discipline offering this course.  
Transfer: CSU.

VOCAATIONAL ESL

701 WORK-RELATED CONVERSATIONAL SKILLS, LEVEL 1 (0.0)  
(Formerly VESL 701)  
3.0 hours lecture per week  
Advisory: ESL placement evaluation or equivalent.  
Focuses on work-related conversation, reading, and writing for the non-native speaker at the beginning level. No English is required.

702 WORK-RELATED CONVERSATIONAL SKILLS, LEVEL 2 (0.0)  
(Formerly VESL 702)  
3.0 hours lecture per week  
Advisory: VESL 701 or equivalent.

703 ENGLISH FOR BASIC COMPUTER SKILLS (0.0)  
(Formerly VESL 703)  
2.0 hours per week: (0.5 hours lecture, 1.5 hours laboratory)  
Advisory: Completion of ESL 701 (Beginning Literacy).  
Focuses on basic language skills associated with computers, computer vocabulary and procedures used in the automated office environment.
270A BASIC WELDING  (4.0 to 3.0)  
(Formerly WELD 70A)  
8.0 hours per week: (2.0 hours lecture, 6.0 hours laboratory)  
Associate Degree Applicable  
Provides for basic instruction in oxyacetylene and shielded metal arc welding. Begins with the fundamentals and quickly progresses through intermediate skills for welding steel. Includes information on cutting, braze welding, metallurgy, vertical arc welding and non-ferrous welding. An emphasis is placed on developing good manipulative welding skills for joining steel in the flat and horizontal positions. 
Transfer: CSU.

270B ADVANCED WELDING  (4.0 to 3.0)  
(Formerly WELD 70B)  
8.0 hours per week: (2.0 hours lecture, 6.0 hours laboratory)  
Associate Degree Applicable  
Prerequisite: WELD 270A  
Continues WELD 270A with emphasis placed on vertical and overhead welding with the shielded metal arc processes. Includes instruction on air carbon arc gouging, flux core arc welding, and development of welding procedures and techniques. 
Transfer: CSU.

270C WELDING: GMAW & GTAW  (4.0 to 3.0)  
(Formerly WELD 70C)  
8.0 hours per week: (2.0 hours lecture, 6.0 hours laboratory)  
Associate Degree Applicable  
Prerequisite: WELD 270A  
Continues WELD 270B with emphasis placed on manual, semiautomatic and automatic equipment will be included as focus topics for this course.
193A  TECHNICAL CAREER PREPARATION IN WELDING  (1.0)
(Formerly WELD 93A)
1.0 hours lecture per week
Associate Degree Applicable
Examines a special topic in the field of study related to the discipline offering this course.

195  TECHNICAL CAREER PREPARATION IN WELDING  (1.0)
(Formerly WELD 95)
1.0 hours lecture per week
Associate Degree Applicable
Overview of welding careers with focus on preparing for the job market.
Includes discussion of career opportunities in welding, both union and non-union.
Focus on providing the tools necessary to target and obtain a position in the welding industry.

570A  BASIC WELDING  (0.0)
(Formerly WELD 570A)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Provides for basic instruction in oxyacetylene and shielded metal arc welding.
 Begins with the fundamentals and quickly progresses through intermediate skills for welding steel.
Includes information on cutting, braze welding, metallurgy, vertical arc welding and non-ferrous welding.
An emphasis is placed on developing good manipulative welding skills for joining steel in the flat and horizontal positions.

570B  ADVANCED WELDING  (0.0)
(Formerly WELD 570B)
8.0 hours per week: (2.0 hours lecture, 6.0 hours laboratory)
Prerequisite: WELD 270A, WELD 570A or consent of instructor
Continues WELD 270A with emphasis placed on vertical and overhead welding with the shielded metal arc processes.
Includes instruction on air carbon arc gouging, flux core arc welding, and development of welding procedures and techniques.

570C  WELDING: GMAW & GTAW  (0.0)
(Formerly WELD 570C)
8.0 hours per week: (2.0 hours lecture, 6.0 hours laboratory)
Prerequisite: WELD 270A, WELD 570A or consent of instructor
Presents advanced welding with Gas Tungsten Arc (Heliarc) Welding, Gas Metal Arc (Wire Feed) Welding and Flux Core Arc Welding processes on ferrous and nonferrous materials.

580  WELDING CERTIFICATION  (0.0)
(Formerly WELD 580)
8.0 hours per week: (2.0 hours lecture, 6.0 hours laboratory)
Prerequisite: Completion of or concurrent enrollment in WELD 270B or WELD 570B or consent of instructor
Continues WELD 270B. Prepares the student to meet industry standards in shielded metal arc welding on plate steel. Includes performance and procedure qualification, workmanship, techniques, inspection. Provides opportunity for certification to the American Welding Society D1.1 Structural Welding Code.

WELLNESS

000  ADULT FITNESS  (0.0)
(Formerly WELL 100)
3.0 hours laboratory per week
Presents an opportunity to begin or continue a lifetime fitness program.
Students will participate in activities developing flexibility, muscular endurance, muscular strength, cardiovascular and general conditioning. Group or individual activities may include weight training, aerobics, step training, running, walking, water exercise, resistance workout, use of exercise equipment, etc.

001  ADAPTED AQUATICS  (0.0)
(Formerly WELL 101)
3.0 hours laboratory per week
Provides an individualized aquatic exercise program for students with a disability. Improves flexibility, strength, and endurance using the water as a source of buoyancy and resistance.

WORK EXPERIENCE

210  INTRODUCTION TO WORKPLACE READINESS  (3.0)
(Formerly WRKEXP 10)
3.0 hours lecture per week
Associate Degree Applicable
Introduction of fundamentals for workplace readiness and job retention.
Students will develop skills related to customer service, workplace attitude, written and oral communication, and ethical behavior; students will also create a resume and complete a job application, and develop qualities sought by employers.
Transfer: CSU.

211  INTRODUCTION TO WORKPLACE READINESS: VESL  (3.0)
(Formerly WRKEXP 11)
8.0 hours per week: (5.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Introduction of fundamentals for workplace readiness and job retention, as well as basic ESL grammar and vocabulary pertaining to the workplace.
Students will learn to develop oral and written communication skills, complete an employment application, interview techniques, build interactive workplace relations, and develop qualities sought by employers.
Transfer: CSU.

147  INDEPENDENT STUDIES: WORK EXPERIENCE  (2.0 to 0.5)
(Formerly WRKEXP 47)
Associate Degree Applicable
Prerequisite: The student must have completed preparatory course work in the field in which the study is to be undertaken.
Provides an opportunity for an in-depth study or a practicum experience by an individual student in a selected topic of Work Experience under the direction of an instructor.

250  COOPERATIVE WORK EXPERIENCE  (0.5)
(Formerly WRKEXP 50)
0.5 hours lecture per week
Associate Degree Applicable
Prerequisite: Spring or Fall semester: maintain a minimum of 7 units including Work Experience and work a minimum of 5 hours per week Summer session: main- tain enrollment in one other credit course and work 7.5 hours per week Approval of Dean or Designee.
Corequisite: WRKEXP 250L
Cooperative Work Experience is a program where working students learn skills, increase performance and explore short and long range career goals on the job. Through collaborative efforts among employers, instructors, and college coordinators students accomplish specific measurable learning objectives and are given laboratory credit for hours worked. Requests for information are coordinated through the Cooperative Education Work Experience program. WRKEXP 250 and WRKEXP 250L have a credit limitation of 16 units.
Transfer: CSU.
<table>
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<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Description</th>
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| 250L        | COOPERATIVE WORK EXPERIENCE LAB                  | (3.5 to 0.5) | (Formerly WRKEXP 50L)  
20.0 hours laboratory per week  
Associate Degree Applicable  
Corequisite: LDER 255  
Examines and provides information on work-related topics. Students enrolling in this class must have a job, working a minimum of 5 hours per week, be enrolled in a minimum of 7 units, including Cooperative Work Experience, and be enrolled in LDER 255. For summer, students must be enrolled in one other credit course, and be working a minimum of 7.5 hours per week.  
Transfer: CSU. |
| 151         | COOPERATIVE WORK EXPERIENCE EDUCATION - GENERAL  | (0.5) | (Formerly WRKEXP 51)  
0.5 hours lecture per week  
Associate Degree Applicable  
Corequisite: WEXP 151L and must be working a minimum of 5 hours per week.  
General Work Experience is supervised employment intended to assist students in acquiring desirable work habits, attitudes, and career awareness. The work experience need not be related to the student's educational goals. |
| 151L        | COOPERATIVE WORK EXPERIENCE LAB - GENERAL         | (2.5 to 0.5) | (Formerly WRKEXP 51L)  
15.0 hours laboratory per week  
Associate Degree Applicable  
Corequisite: WEXP 151 and must be working a minimum of 5 hours per week.  
Examines and provides information on work-related topics. Students enrolling in this class must have a job, working a minimum of 5 hours per week and be enrolled in WEXP 51. For Summer, students must be enrolled in one other credit course, and be working a minimum of 7.5 hours per week. |
| 252         | COOPERATIVE WORK EXPERIENCE EDUCATION - OCCUPATIONAL | (0.5) | (Formerly WRKEXP 52)  
0.5 hours lecture per week  
Associate Degree Applicable  
Corequisite: WEXP 252L and must be working a minimum of 5 hours per week.  
Occupational Work Experience is supervised employment, extending classroom learning at an on-the-job learning station, and relating to the student's educational or occupational goals.  
Transfer: CSU. |
| 252L        | COOPERATIVE WORK EXPERIENCE LAB - OCCUPATIONAL    | (3.5 to 0.5) | (Formerly WRKEXP 52L)  
20.0 hours laboratory per week  
Associate Degree Applicable  
Corequisite: WEXP 252 and must be working a minimum of 5 hours per week.  
Examines and provides information on work-related topics. Students enrolling in this class must have a job, working a minimum of 5 hours per week and be enrolled in WEXP 252. For Summer, students must be enrolled in one other credit course, and be working a minimum of 7.5 hours per week.  
Transfer: CSU. |
| 193         | WORK EXPERIENCE SPECIAL TOPICS                   | (4.0 to 0.5) | (Formerly WRKEXP 93)  
Associate Degree Applicable  
Examines a special topic in the field of study related to the discipline offering this course. |
| 193A        | JOB SEARCH BASICS A                              | (1.0) |  
2.0 hours per week: (0.5 hours lecture, 1.5 hours laboratory)  
Associate Degree Applicable  
Introduces fundamentals for finding and applying for employment, including researching employers; preparing an application, resume, and cover letter; applying basic interview skills; developing workplace readiness skills such as workplace ethics and customer service. |
| 193B        | JOB SEARCH BASICS B                              | (1.0) |  
2.0 hours per week: (0.5 hours lecture, 1.5 hours laboratory)  
Associate Degree Applicable  
Continues WEXP 193A with an emphasis on advanced resume and letter writing, interview strategies, job retention and promotion strategies, and workplace readiness skills such as communication and conflict resolution. This course is recommended for students actively seeking employment, in particular career-oriented employment. |
| 510         | INTRODUCTION TO WORKPLACE READINESS              | (0.0) | (Formerly WRKEXP 510)  
8.0 hours per week: (5.0 hours lecture, 3.0 hours laboratory)  
Introduction of fundamentals for workplace readiness and job retention. Students will learn to develop oral and written communication skills, complete an employment application, interview techniques, build interactive workplace relations, and develop qualities sought by employers. |
| 511         | INTRODUCTION TO WORKPLACE READINESS: VESL        | (0.0) | (Formerly WRKEXP 511)  
8.0 hours per week: (5.0 hours lecture, 3.0 hours laboratory)  
Introduction of fundamentals for workplace readiness and job retention, as well as basic ESL grammar and vocabulary pertaining to the workplace. Students will learn to develop oral and written communication skills, complete an employment application, interview techniques, build interactive workplace relations, and develop qualities sought by employers. |
DIRECTORIES

EMERITI: FACULTY
EMERITI: MANAGEMENT
EMERITI: SUPPORT STAFF
ADVISORY COMMITTEES
VOCATIONAL EDUCATION ADVISORY COMMITTEES
CUESTA COLLEGE FOUNDATION
FACULTY: FULL-TIME
FACULTY: PART-TIME
MANAGEMENT
EMERITI: FACULTY
Upon retirement, regular (tenured) and temporary faculty members who
have served as faculty at Cuesta College for a minimum of fifteen years
shall be eligible for Emeritus Faculty Status if they have fulfilled at least
nine full-time equivalent years.

AMYX, CHESTER L. (1965-1993)
Fine Arts

ASIRE, JOSEPH J. (1967-1995)
Physical Sciences

ALESHIRE, EVLYNE (1975-2008)
Biological Sciences

AVILA, FRANK W.* (1965-1974)
Social Sciences

BAILEY, LORRAINE H. (1975-1993)
Human Development

Performing Arts

BASSERI, ED.D., JAMSHID* (1965-1996)
Business Education

BARCLAY, JUDITH (1985-2008)
Mathematics

BAUER, PAUL G. (1971-2006)
Physical Sciences

BEDELL, LEE L. (1966-2006)
English

BELDEN, LONNIE M. (1966-1999)
Biological Sciences

BLAKESLEE, D.S.M., EARLE B.* (1965-1973)
Fine Arts

Physical Education

BOWEN, JOHN E.* (1965-1988)
Physical Sciences and Mathematics

Physical Sciences

BURSEY, VICTORIA D. (1989-2006)
English

Language Arts

CHANDLER, ARLENE B. (1965-1986)
Human Development

COLLIER, MARGARET (1975-2005)
Human Development

CRYSTAL, ED.D., DELBERT G.* (1966-1993)
Engineering and Technology

EISTER, J. OWEN (1965-1993)
Language Arts

ENGLISH, WALLACE E. (1972-1995)
Engineering and Technology

Social Sciences

EVANS, VALERIE (1986-2001)
Business Education

FISHER, RICHARD L. (1965-1998)
Physical Sciences

FRANK, ARNOLD F. W. (1965-1990)
Engineering and Technology

FRANTZ, BARRY J. (1967-2001)
Fine Arts

FREY, ADELE H. (1965-1992)
Physical Education

FROST, RAMONA Z. (1965-1988)
Language Arts

GENEREUX, MARILYN KAY* (1989-2001)
Disabled Student Programs and Services/Learning Skills

GIROLO, NELLA S. (1972-2003)
Performing Arts

GUIDI, ADDIE (1972-1991)
Nursing and Allied Health

HANSEN, DONALD F. (1965-2000)
Business Education/Men’s Basketball

HANSEN, MARY EL (1985-2001)
Counseling Services

HARTWIG, ROBERT L.* (1976-2005)
Languages and Communications

Human Development

Language Arts

Social Sciences

JOHNS, MARVIN (1984-1995)
Physical Sciences and Mathematics

JOHNSON, JOYCE R. (1965-1986)
Business Education

English

KANBARA, JACK N. (1969-1990)
Library Services

KELLEY, JAMES DAVID (1965-1990)
Social Sciences

LAGOMARSINO, PETER (1976-2008)
Construction

Counseling Services

LILLEY, KEITH (1974-2008)
Library/Learning Resources

MARSHALL, A. ROBERT (1977-2005)
Mathematics

MAURO, CARMEN L.* (1965-1987)
Physical Education

MCBADE, JAYSON (1967-1986)
Fine Arts

MCGILL, PAUL L.* (1966-1983)
Language Arts

Physical Education

Learning Skills/Disabled Students Programs and Services

NUNEZ, DANIEL J. (1972-1992)
Engineering and Technology

*Deceased
PANTER, DWIGHT (1976-2004)
Engineering and Technology

Biological Sciences

Fine Arts

PETER, GILBERT M.* (1966-1993)
Physical Sciences and Mathematics

PLATOU, HARALD S. (1965-1989)
Biological Sciences

Nursing and Allied Health

Language Arts

RICH, DARRELL L. (1972-2002)
Physical Education

RICHMOND, WILLIAM F. (1972-2004)
Engineering and Technology

ROBERT, KAREN (1989-2006)
Student Life and Leadership

RUMORE, GEORGE (1968-2001)
Business Education

SHEARER, NANCY (1988-2008)
Languages and Communications

Language Arts

STANFORD, PH.D., BARBARA (1971-1992)
Social Sciences

Business Education

Engineering and Technology

Engineering and Technology

Social Sciences

TOMLINSON, ROBERT S. (1966-1987)
Language Arts

Physical Sciences and Mathematics

CHOATE, DEAN (1975-1992)
Director of Building Maintenance and Operations

Assistant Superintendent/Vice President, Instructional Services

President/Superintendent

EVANS, ROBERT J. (1968-2001)
Dean of Instruction, Humanities

FRADY KELLEY, ED.D., LYNN (1973-2001)
Director of Learning Support/Disabled Student Programs and Services

GABRIEL, DOUGLAS J. (1975-1992)
Director of Grounds

Director of Student Affairs

Executive Director of Institutional Advancement

GRANT, RN, PH.D., ANN B. (1981-2004)
Dean of Instruction, Sciences, Mathematics, Nursing and Physical Education

GREATHOUSE, ED.D., JIM J. (1966-1992)
Vice President/Assistant Superintendent, Educational Services

Director of Matriculation and Research Services

HANSEN, WARREN E. (1965-2001)
Director of Athletics and Physical Education

Dean of Instruction, Business, Engineering/Technology, and Human Development

HENRY, JOY F. (1965-1989)
Registrar

JUDSON, LAURIE (1968-1992)
Director of Public Affairs

MANYAK, JOHN N. (1965-1993)
Director of Counseling Services

MARTINEZ, ED.D., FRANK R. (1964-1988)
President/Superintendent

MCGINNIS, ED.D., GEORGE C.* (1964-1972)
Assistant Superintendent, Business Services

Director of Fiscal Services

Superintendent/President

PARKER, MARY N. (1973-2006)
Director of Nursing/Allied Health

PEARCE, EDWIN M. (1968-2002)
Dean of Vocational Education, Community Programs/Recreation, and Economic Development

PERKINS, CYNTHIA S.* (1964-1969)
Director of Counseling and Guidance

SCHAUB, JOHN G.* (1965-1985)
Administrative Dean of Student Services

Assistant Superintendent/Vice President, Student Services

WAMBOLT, CONNIE (1981-1998)
Director of Community Services

*Deceased
WILHELM, MARY LOU (1976-1993)
  Director of Library Services
WONG, EMERY (1968-2000)
  Director of Bookstore and Auxiliary Services
WORKMAN, BURMA (1980-2004)
  Director of Human Resources

EMERITI: SUPPORT STAFF
Upon retirement, management, supervisory, confidential, and classified employees who have served at Cuesta College for a minimum of fifteen years shall be eligible for Management, Supervisor, Confidential, or Classified Staff Emeritus Status if they have fulfilled at least nine full-time equivalent years.

BACHMANN, ANNE (1980-2004)
  Administrative Services
BARTHOLOW, BONNIE* (1976-2001)
  Student Services
BARTHOLOW, SID (1985-2005)
  Physical Plant
CARVER, LEON D. (1986-2006)
  Learning Resources
COATS, ELAINE H. (1964-1992)
  Educational Services
COOK, SALLY (1969-2000)
  President’s Office
CUDIGAN, KAREN (1971-2000)
  Fiscal Services
DESCHLER, FRED “RIC” (1981-2001)
  Fiscal Services
EDDY, EDNA M.* (1973-1996)
  Library Services
ELLITHORPE, LARRY (1965-1998)
  Business Services
FAZIO, GLORIA (1976-2001)
  Counseling Services
GRANT, WILLIAM (1967-1999)
  Physical Education
HARLING, EVELYN (1973-1991)
  Physical Education
HAYNER, CLAUDIA L. (1968-2004)
  Executive Dean’s Office, North County Campus
HOLLENBACK, PAULA (1965-1983)
  Business Services
HOLLENBACK, ROBERT* (1966-1981)
  Physical Education
  Fiscal Services
INGRAM, IRA LEON (1971-1993)
  Physical Plant
LAWSON, LORI (1973-2008)
  Human Resources
MAY, KATHRYN (1969-1990)
  Library Services
MEISSNER, DARLENE (1977-2001)
  Sciences, Mathematics, Nursing and Physical Education

MILLER, GLOVER* (1965-1980)
  Public Safety
MUNSON, MARCIA (1971-1992)
  Study Center
NELSON, ED (1968-1991)
  Physical Plant
PARKER, BRUCE (1977-1995)
  Physical Plant
SCHOENFELD, LOLA “WILLIE” (1981-2001)
  English
SUMMERS, NOMA (1979-2004)
  Career Transfer Services
VILLADOR, ED (1965-1981)
  Maintenance and Operations
VOGEL, JANET* (1979-1995)
  Admissions and Records
WADDELL, YOLANDA (1978-2000)
  Information Technology Services
WISE, KATHRYN CLAIRE (1975-1995)
  Learning Resources

*Deceased
ADVISORY COMMITTEES

Disabled Student Programs & Services (DSPS)
Scott Black
Margaret Chaix
Gerald Clare
Bill DeJarnette
Trey Duffy
Allen Hilton
Sarah Leavenway
Jeanne LeLeaux
Chris Parker-Kennedy
Marilyn Pedroni
Bill Rehm
Kathy Robasciotti
Patrick Schwab
Kimberly Skinner

Extended Opportunity Programs and Services (EOPS)
Betsy Alloway
Bernadette Bernardi
Francisco Curiel
Tony Domingues
Ernie Gomez
Vela Herrera
Julianne Jackson
Maria Legato
Diane Limon
Lily Magnia-Aanerud
Glenda Moscoso
Mimi Naish
Roanna Prell
Gil Stork
Juanita Tuan
Holley Volk

Master Chorale
Jim Baker
Lyn Baker
Diane Blakeslee
Sharon Carro
Vicki Ewarr
Charles Higél
John Knutson
Harry Schade
Henry Sullivan

Senior Advisory Group for Education (SAGE)
Catharina Bybee
Glenna Deane Davey
Marilyn Darnell
Ginny Dobias
Ray Easton

Small Business Development Center
Clay Appleton
Evan Augsburger
Ray Johnson
Brian Kearns
Joanne Main
Norma Moye
Bob Mulrooney
Davina Palazzo
Bill Rabenalt
Toni Sommer
Andrea Zeller

Tech Prep
John Barnhart
Rich Becker
Peter Smith
Susan Clayton
Jeanne Eggert
Jim Fotinakes
James Souza
John Stokes
Karen Lopez
John Mitchell
Paul Orton
Ed Railsback
Toni Sommer

Workforce Development Projects
Nancy Acebo
Betsy Alloway
Matt Aydelott
Katherine Blum
Sandra Bourbon
Tracey Buckingham
Robin Crawford
Franky Curiel
Susan Fuller
Connie Gannon
Jan Gillette
Matthew Green
Stephan Gunsaluslu
Julianne Jackson
Rochell Long
Jan Maitzen

VOCATIONAL EDUCATION ADVISORY COMMITTEES

Advisory committees are formed to ensure continuity between the college’s vocational training programs and the current employment needs and occupational trends of the community. These committees, whose members serve without remuneration, are comprised solely of citizens involved in the business, services, and industrial occupations of the county. The committees also serve as liaison between the vocational program and the community.

Agricultural Technology
Linda Brady
Dr. Les Ferrerira
Dr. Jennifer Ryder Fox
Dr. Ken Solomon
Dr. Andy Thulin

Allied Health
Margie Alred
Barbara Brosma
Judy Creedon R.N.
Anna Davies
Judy Hilyard R.N.
Chris Javine
Susan Jones R.N.
Ellen McDonald R.N.
Terri Nefores
Stephanie Ponti
Rose Racho
Harry Schade
Ellie Smith R.N.
Dorthy Teola
Cathe Tetreau
Jan Tiffen
Susan Winsell
Cuesta Nursing Faculty

Architecture
Randy Dettmer
Mark Dariz
Marilyn Farmer
Brian Starr
Don Swearingen
Bill Tuculet
Stacey White
Greg Wynn

Automotive Technology
Dan Biggs
Dana Davidson
Pete Dillard
Spence Grafft
John Hensley
Henry Hubbard
Geoff Lyons
Jim Rizzi
Jeff Spevack
John Villa

Broadcast Communications
Lyn Baker
Jim Baker
Garry Brown
Bruce Brown
Marcy DeGarimore
Brandon Downing
Ed Merril
Simo Nylander
Maryann Stansfield
Bill Tommey
Marisa Waddell
Theo Waddell
Darrell Wenhardt

Business Administration
Steve Adamski
Justin Baldwin
Jim Brabec
Jeff Brinkley
Pamel Carizland, M.D.
Davbid Crabtree
Roger Grant
Ryan Horn
Jan Jensen, CPA
Dick Mason
Gennie Roeder
David Ryal

Computer Applications/Office Administration (CAOA)
Michael Cripe
Barbara Ehrbar
Bob Federman
Kelly Kasper
Laura Takken
Terry Ward
Computer Information Systems
Paul Borza
Terry Brown
John Dalbey, PhD
Fred Dyste
H. Stewart Ehrhardt, Jr.
Leith Hayes
Brian Johns
Franz Kurfess, PhD
Paul Porter

Construction Technology
Tom Baasch
Jim Borland
Clyde Gains
Scott Greenaway
Leslie Halls
Russ Kissing
Pete Lagomarsino
Hank Lewis
Tina Metzger
Jim Osweiler
Terry Turney
Camille Turney

Cooperative Work Experience
Chris Crose
Charles Fruit
Pat Harris
Lisa Hensley
Lee Rosenwasser
Marlaine Sanders

Criminal Justice
John De Rohan
Ed Miller
Edward Zemaitis

Culinary Arts
Andrew Averseng
Pat Brown
Caryn Coffman
Leonard Gentiew
Steve Gregory
Kimberlee Hampton
Sandee McLaughlin
Cherie Moore
Tom Neuhaus
Harry Ovitt
Anne Porter
Joe Quiroz
Phillip Riccomini
Vicki Schemmer
Claire Silver
Toni Sommer
Jim Souza
John Stokes
Nancy Stuckey

Early Childhood Education (ECE)
Judith Berk
Chris Brooks
Gary Brooks
Martha Chivens
Hilary K. Coy
Cynel Felche
Janice Felde
Lisa Fraser
Janet Green
Linda Mcclure
Joan Merson
Brenda Matthysses
Ellen Pexo
Biz Steinberg
Janet Tingley
Paula Tripp
Sue Waterbury

Electronics and Network Technology
Harold Hallikainen
Roger Korte
Steve Kautz
Mark Persky
Ty Safreno
Ed Steckler
Henry Tate
Wayne Unks

Family Studies
Heather Goodwin
Sharon Howell
Beth Raub
Biz Steinberg

Fashion Design and Merchandising
Sharon Avey
Heather Cook
Le Dao
Lynn James
Karen Lopez
Crystal Smith
Roxanne Storlie
Jim Turner
Guy Wells

Graphic Design
Scott Birchell
Cameron Charles
Brian Christopher
Aaron Cotton
Robert Densham
Terri Dunivant
Joel Evey
Mary Laport
Roger Lee
George Lepp
Ryan Miller

Brian Moseley
Sharon Neville
Jack Neville
Simo Nylander
Pierre Rademaker
Darcy Ryan
Guy Smith
Brian Stokes
David Thayer
Kathleen White

Hospitality
Alex Benson
Marie-France Brown
Ken Cooper
Roger Corwin
Doug Dalton
Charles Holder
David Ibarra
Erich Koberl
Susan Morris
George Newland
J. P. Patel
Pargna Patel
Jamie Wallace
Paul Wallace
Tawny Winters

Interior Design
Lorraine Bailey
Steve Carnes
Gail Congdon
Jan Kepler
Mary Martin-Marquardt
Francine Van De Vanter
Angeline Vollmer

Library/Information Technology
Kathleen Boyd
John Corbett
Dr. David R. Dowell
Denise Fourie
Dick Maynard
Mary “Moe” McGee
Leslie Mosson
Ann Robb
Judy Rohr
Sandra Rowland
Julie Smith
Dr. Mary Somerville

Paralegal
Katcho Achadjian
Victoria Berry
Ruth Biering
Nancy Bynot
Peter Cummings
Noelle Francis
Lee Gulliver
Linda Hurst
Nancy Kimbell

Registered Nursing
Kristine Blanchard
Barbara Bresma
Raye Burkhardt R.N.
Carol Constien R.N.
Anna Davies
Nicki Edwards R.N., Ph.D.
Colleen Ehrenberg, R.N., Ed.D.
Mary El Hansen
Lisa Moylan R.N.
Terry Murphy
Terri Nefores
Dr. Dorothy Phillips
Harry Schade
Laurie Smith
Colleen Strom
Dorothy Teola
Cuesta Nursing Faculty

Web Development Technologies
Jonni Biaggini
David Brown
Bob Dumouchel
Catherine David
Richard Harvey
Julie Smith
Catherine West
Kevin Bontenbal
David Dowell
Denise Fourie

Welding
Hardie Phillips
Roy Coffman
Mike Fontes
CUESTA COLLEGE FOUNDATION

The Cuesta College Foundation was incorporated in 1973 for the purpose of providing financial support to the college. A 40-member board of directors governs the Foundation. Board membership includes representatives from the Associated Students of Cuesta College, the district board of trustees, administration, faculty, and community members from throughout San Luis Obispo County.

The Cuesta College Foundation provides essential support for college programs, services, scholarships and capital needs.

SCHOLARSHIPS AND GRANT AWARDS

Perpetual Endowment Funds

The following is a listing of perpetual endowments with earnings available for scholarships or specially designated awards (year indicated is date funded).

Acorn Scholarship (2001)
Anna Adams-Gohler Nursing Scholarship (1997)
Helen R. "Pat" Allen-Kennedy Scholarship Fund (1990)
Ed Atkinson Memorial Nursing Scholarship (1978)
Frank and Josephine Avila Endowment Fund (1993)
Bessie Barnes Scholarship (1989)
Sid and Bonnie Barthowol Scholarship (2002)
Baywood Park Women’s Club Scholarship Endowment (1973)
Martha C. Bennett Nursing Endowment (2005)
Nellie Bjorn Nursing Scholarship (2002)
The Earle B. Blakeslee Music Award (1999)
Jack Bohannon Scholarship Endowment (1996)
John Bowen Memorial Scholarship (1989)
Sidney R. Broadbent, M.D., Nursing Training Fund (2005)
Elizabeth Brown Endowment (1994)
Charles and Marjorie Burkhart Endowment (1991)
The Pete Caglierio Family Endowment (2005)
Brian Caldwell Scholarship Fund (1989)
Carl A. Carlson Scholarship Fund (2001)
Central Coast Women's League Scholarship (1985)
Central Shores Chapter of the Oncology Nursing Society Excellence in Nursing Scholarship (2001)
Arlene B. Chandler and Everett M. Chandler Endowment (2002)
Be Happy, Smile at a Stranger Drama Scholarship in Memory of Daniel Cicchini, Danny Boy (2005)
Clifford Engineering and Science Scholarship (2001)
Don and Elaine Holley Coats Scholarship Endowment (2003)
College Grant Fund (1993)
College Readiness Endowment (1991)
Bert Conklin Scholarship Endowment (1996)
Walter Conley Endowment (1993)
Ethel Cooley Scholarship Endowment Fund (1993)
Betty A. Cousins "Queenie" Scholarship (1999)
Cuesta College Endowment Fund (1982)
Ralph Waldo and Opal Lucy Daugherty Scholarship Fund (2000)
Robert David Endowment (1999)
Thomas and Susan Davies Master Chorale Endowment (2004)
Lillian Dean Memorial Fund (2006)
Dori Lynn Deutsche Scholarship (2003)
Norberto G. Diaz Scholarship Fund (2004)
Zelle Diefenderfer Endowment (1988)
Peter and M’May Difffey Award for Faculty Excellence (1989)
Disabled Student Programs and Services Endowment Fund (1989)
Dowell Fund for Technology Advancement (2000)
M. L. Duke Scholarship (1985)
Merlin and June Eisenbise Endowment Fund (1996)
James K. Ekegren, M.D., Nursing Scholarship Fund (1992)
Audrey J. English Memorial Endowment (1992)
Lorraine V. Erno, R.N., Memorial Scholarship (1998)
Faculty Grants Endowment Fund (1994)
C. Baring Farmer, M.D., Scholarship (1989)
Vicki Farrer Endowment (1989)
Finley-KolemaINE Scholarship (2002)
Fraty Family Scholarship Endowment (1998)
Barry Frantz Scholarship Fund (2001)
Friends of the Library Lyn Vivrette Scholarship (2005)
Ramona Frost Foreign Language Scholarship (1988)
Calvin and Ruth Gabriel Family Scholarship (1994)
LaVonne Gaebe Nursing Scholarship Fund (1997)
General Foundation Administration Endowment (1988)
Dr. Barbara H. George Fund for the Greatest Need (2004)
Christopher Giambalvo Memorial Fund (1995)
Jim and Maxine Greathouse Endowment (1992)
The Grover City Civic Woman’s Club Scholarship (2000)
Don Hansen Basketball Camp Scholarship (2000)
John and Dorothy Hayner Memorial Scholarship (2002)
The Gene and Fern Hulse “Twiggy” Award (1994)
Independent Insurance Agents and Brokers of San Luis Obispo County Endowment Fund (1981)
Ada Irving Nursing Endowment Fund (1991)
Dr. W. Boyd and Mrs. Carol Judd Scholarship in Honor of Anita Judd (2002)
Tibor Kalman String Quartet Award (1991)
Charline Albertine Knight Nursing Scholarship (1993)
The Laumann Family Scholarship Endowment (1986)
League of Women Voters Scholarship in Memory of Beverly Hund (1993)
Virgie E. Lebo Scholarship Endowment (1996)
Dr. Danny Lickness Nursing Scholarship (1998)
J. Vard Loomis Memorial Scholarship Fund (1977)
Mr. and Mrs. Robert Lutz Scholarship Fund (1989)
Avis J. Madden, R.N., Memorial Scholarship (1998)
Frank and Lois Martinez “President’s Scholarship” Endowment Fund (1988)
Carmen Mauro Scholarship (1990)
June and Jayson McBade Endowment Fund (1989)
Rose Polin McKeen and William Henry McKeen Scholarship (1994)
Mary Mae McQuaid Scholarship Fund (1979)
The Marianne Michels College for Kids Memorial Scholarship (1998)
Military Officers Association of America Ladies (MOAAL) Scholarship (1991)
B.T. and Bonnie Mills Scholarship Fund (2000)
Arletta Dennis Moore Scholarship Fund (1991)
Bud and Grace Myers Scholarship Quota International of Paso Robles (2000)
Peter and Maria Nappi Scholarship (1990)
Betty Nielsen Scholarship Fund (1994)
The Norby-Perkins Scholarship Fund (2001)
Frederick G. Novy III History Scholar Award (1991)
Helen Novy Art Fund (1995)
Margaret Pear-Collier Early Childhood Education Endowment Scholarship (1989)
C.M. Peart Family Endowment (2001)
Marie Alice Peart and Gilbert M. Peart Scholarship Fund (1992)
Gil Peter “S.A.M.” (Scholastic Achievement in Mathematics) Scholarship Endowment Fund (1996)
Lucille Peyton Endowment (1989)
Mark Corey Pitchlyn Textbook Grant (1992)
The Fely and Harald Platou Scholarship Fund (1997)
Portraits in Music/Public Events Endowment (1989)
Quota International of Morro Bay Garnet Coughlin Scholarship (1991)
Quota International of San Luis Obispo Endowment Fund (1994)
Carolyn Ragsdale Nursing Scholarship (2005)
Ralston Family Scholarship Fund (1993)
Wallace and Frances J. Reynolds Scholarship Fund (1994)
Alvin E. and Mary S. Rhodes Trustee Award (1990)
Patty Riley “Big Sun Peppermint Willow” Scholarship (1999)
Mario Rizzoli Automotive Scholarship (2004)
Glenn H. Robinson Memorial Scholarship Fund (2002)
Craig Farley Ryan Gift of Life Scholarship (1985)
San Luis Obispo General Hospital Auxiliary Endowment Fund (1990)
The Rose Sareen Endeavor Scholarship (2005)
John G. Schaub Memorial “Dean’s” Award (1999)
The Carl and Carol Schliep Fund (1983)
Paul and Katherine Schmitz Scholarship Fund (2002)
Scholarship Endowment for Nursing Students (1989)
The Schwartz Family (Stella, Barney, Dorothy, Mary, and Dale) Scholarship (1999)
Eleanor Sears Memorial Scholarship Endowment (1988)
Francis Vincent See Memorial Fund (1993)
Florence Eileen Shaffer Memorial Scholarship (1994)
Maude E. Shawhan Scholarship Endowment (1991)
Sierra Vista Hospital Volunteer Auxiliary Scholarship (1990)
SLO County Physicians Endowment Fund (1995)
Joyce Williams Smith Memorial Scholarship (1987)
Mary E. Smith Memorial Marine Biology Award (1983)
Soroptimist International of San Luis Obispo Scholarship Award (1991)
The Michael James Sotelo Scholarship (2005)
Frank A. “Tony” Sprague Memorial Award (1989)
Chris Strodlka Scholarship for Academic Excellence (1994)
Dorothy B. Stork Memorial Endowment (2005)
Dr. Gilbert H. Stork Scholarship (2004)
Christy Sweeny Scholarship Fund for Nursing Students (2004)
Teaching and Service Excellence Awards (1992)
Margaret Templeton Scholarship (2004)
Mickeys Testa Memorial Scholarship (1998)
Alice Thompson Scholarship Fund (1995)
William Larrick Trevathan Fund to Benefit the Learning Disabled (1989)
Kathryn Trout Memorial Fund (1984)
Elizabeth Tudor Scholarship of the Central Coast Renaissance Historical Society (1995)
Veterinarians of San Luis Obispo County Scholarship Fund (1996)
G. D. Wallace Endowment for Public and Community Events (1997)
The Patrick A. Walsh Memorial Scholarship Fund (1999)
The Ralph M. and Grace Warren Scholarship (1997)
Ruth Whipple and Genevieve Coolidge Endowment (1972)
Hasiba Williams Scholarship (2001)
Jane Barnes Williams Endowment Fund (1990)
Women’s Program Endowment Fund (1990)

**ANNUAL SCHOLARSHIPS**

Funds may be received for annual scholarship awards. The type of scholarships and the receipt of these gifts vary from year to year. Following is a list of annual scholarships that may be available:

- AAUW Morro Bay - Mildred Logan Scholarship
- Helen and Gene Graves Adopt-a-Student Scholarship
- Altrusa International, Inc. of Cinco Ciudades
- Altrusa International of San Luis Obispo
- ASCC Kent Brudney Leadership Award
- ASCC Outstanding Service to School and Community
- Atascadero Women of the Moose-Chapter 1799
- Cambria Women’s Resource Center
- Casey Art Scholarship
- Casey Drama Scholarship
- Casey Writing Scholarship
- The CCFT Lenore Erickson Scholarship
- The CCFT Katy Tomes Memorial Scholarship
- The Central Coast Learning Disabilities Conference Student Award
- Charter Communications Scholarship
- Cuesta College Academic Senate
- Delta Kappa Gamma, Alpha Mu Chapter
- Elementary Education Career Scholarship
- Estero Bay Women’s Club Scholarship
- Dorothy Fritts Scholarship
- The Haruo and Rosie Hayashi Scholarship
- Independent Living Program Scholarship
- The Johnson Gallery Scholarship
- Dorothy Keck Scholarship Fund
- Cristal Heaven King Memorial Scholarship
- Kiwanis Club of Greater Pismo Beach
- J.M. Long Foundation Scholarship
- Juanita D.and E. Stuart McMullen
- Morro Bay Art Association
- Morro Bay Presbyterian Women Scholarship
- Orcutt Mineral Society-Geology Earth Science Award
- PEO-Chapter GO, In Memory of Shirley Isbell
- PEO-Chapter SO, In Memory of Martha Frady
- Phi Epsilon Phi Sorority - Psi Chapter Scholarship
- Rotary Club of Morro Bay Scholarship
- Rotary Club of San Luis Obispo Vocational Scholarship
- San Luis Ambulance Service-Dale Ashburn Memorial Scholarship
- San Luis Obispo Bicycle Club Scholarship
- San Luis Obispo Gem and Mineral Club Scholarship
- San Luis Obispo Women’s Network Scholarship
- Lisa Segura Memorial Scholarship
- Sierra Vista Regional Medical Center Volunteer Auxiliary Book Grant Program
- SLO Community Health Foundation Nursing and Allied Health Professional Development Scholarship
- SLO Senior Citizen Center “Stitch & Chatter”
- Leona Forbes Stenner Scholarship
Studio Arts Materials Scholarship  
Mary Pintar Trull Scholarship  
Twin Cities Hospital Volunteers  
Nancy Vaughan Memorial Sweet Springs Fund  
Wingate Foundation Scholarship  
The Women’s Club of Arroyo Grande Scholarship  

CUESTA COLLEGE FOUNDATION BOARD OF DIRECTORS (2007-2008)

Harold J. “Bud” Anderson  
Sandy Boxer  
Jeff Buckingham  
Charlie Cabassi  
Lorraine Cagliero  
Roxanne Carr  
Berna W. Dallons  
Reese Davies  
Daniel Deutsche  
Charles A. “Abe” Flory  
Rob Garcia  
Nella Girolo  
Michael Greenelsh  
Doug Hilton  
Missie Hobson  
Mary E. Howell*  
Dee Lacey  
Kenneth R. Levine  
Edralin J. Maduli*  
Eugene Miller  
Sandy Morris  
Patrick Mullen  
Pragna Patel  
Dave Pelham  
Tim Perry  
Anita Robinson  
Jim Sargen  
Mary Schwartz  
Laurie Sinton  
Iris Swisher  
bree valle (Faculty Representative)  
Bob Wacker  
Scott Wall  
President of Associated Students of Cuesta College*  
*Indicates Ex Officio Directors  

Honorary Directors  
Jim J. Greathouse, Assistant Superintendent/Vice President Emeritus  
Jon Jenkins  
Frank R. Martinez, Superintendent/President Emeritus  
Grace N. Mitchell, Superintendent/President Emeritus  
Marie E. Rosenwasser  

Executive Director  
June Stephens  

FACULTY: FULL-TIME AS OF JULY 1, 2008  

AKELIAN, CHRISTOPHER (1977)  
ENGINEERING AND TECHNOLOGY  
B.S., California Polytechnic State University, San Luis Obispo;  
M.S., San Diego State University  

ALLEN, BRETT (2001)  
ENGINEERING AND TECHNOLOGY  
B.S., California Polytechnic State University, San Luis Obispo  

AMYX, GUyla (1988)  
FINE ARTS  
B.F.A., Eastern Washington University;  
M.F.A., Washington State University  

ANDREWS, KATCHY (1996)  
COUNSELING SERVICES  
B.A., Pitzer College;  
M.A., California Polytechnic State University, San Luis Obispo  

ARNO, JOHN (2007)  
LANGUAGE AND COMMUNICATIONS  
B.A., M.A., University of Southern California;  

BABU, PRAVEEN (2006)  
PHYSICAL SCIENCES  
B.S., Boston College;  
Ph.D., Louisiana State University  

BAEYEN, DENNIS (1988)  
ENGLISH  
B.A., Washington State University, Pullman;  
M.A., Iowa State University  

BASTI, MJ (1990)  
PHYSICAL EDUCATION  
B.S.N., San Diego State University;  
M.S.N., California State University, Dominguez Hills  

BAXLEY, GREGORY (2004)  
PHYSICAL SCIENCES  
B.S., California Polytechnic State University, San Luis Obispo;  
Ph.D., University of Oregon  

BEYNON, SHARON (2006)  
ENGLISH  
B.A., University of Texas, Austin;  
M.A., University of Texas, Austin  

BIERING, RUTH (2008)  
BUSINESS EDUCATION  
B.A., University of California, Los Angeles;  
J.D., Loyola University  

BLUM, KATHERINE (2006)  
COUNSELING SERVICES  
B.S., University of California, Davis;  
M.A., California Polytechnic State University, San Luis Obispo
<table>
<thead>
<tr>
<th>Name</th>
<th>Department</th>
<th>Education Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boling, Sean</td>
<td>English</td>
<td>B.A., University of Santa Cruz; M.A., San Francisco State University</td>
</tr>
<tr>
<td>Bontenbal, Kevin</td>
<td>Library/Learning Resources</td>
<td>B.A., California State University, Chico; M.L.S., Syracuse University, New York; Ed.D., University of California, Santa Barbara</td>
</tr>
<tr>
<td>Bower, Donna</td>
<td>English as a Second Language</td>
<td>B.A., M.A., California State University, Fresno</td>
</tr>
<tr>
<td>Bresnan, Tricia</td>
<td>Human Development</td>
<td>B.S., California Polytechnic State University, San Luis Obispo</td>
</tr>
<tr>
<td>Brennan Smith, Scott</td>
<td>Fine Arts</td>
<td>B.A., San Diego State University; M.A., California State University, Chico; M.A., University of California, Davis</td>
</tr>
<tr>
<td>Brady, Linda</td>
<td>Counseling Services</td>
<td>B.A., University of California, Los Angeles; M.A., M.S., California Polytechnic State University, San Luis Obispo</td>
</tr>
<tr>
<td>Bramsen, Tricia</td>
<td>Counseling Services</td>
<td>B.S., California Polytechnic State University, San Luis Obispo</td>
</tr>
<tr>
<td>Conklin, Edward</td>
<td>English</td>
<td>B.A., California State University, Long Beach; M.A., University of California, Irvine</td>
</tr>
<tr>
<td>Corey, Jean</td>
<td>Nursing/Allied Health</td>
<td>A.A., San Jose City College; B.S., Sonoma State University; M.A., University of California, San Francisco</td>
</tr>
<tr>
<td>Curtis, Lisa</td>
<td>Academic Support/Disabled Student Programs and Services</td>
<td>B.S., M.A., California Polytechnic State University, San Luis Obispo</td>
</tr>
<tr>
<td>Cyr, Catherine</td>
<td>Nursing/Allied Health</td>
<td>B.A., San Jose State University; B.A., M.P.A., University of San Francisco</td>
</tr>
<tr>
<td>Defraga, Lisa</td>
<td>Social Sciences</td>
<td>B.A., Pomona College; M.A., San Francisco State University</td>
</tr>
<tr>
<td>Demarest, Sally</td>
<td>English</td>
<td>B.A., Indiana University; M.Ed., University of North Carolina, Greensboro; M.A., California Polytechnic State University, San Luis Obispo</td>
</tr>
<tr>
<td>Devitt, Andrea</td>
<td>Counseling Services</td>
<td>B.A., Loyola Marymount University; M.A., California State University, Dominguez Hills</td>
</tr>
<tr>
<td>Diaz, David</td>
<td>Physical Education</td>
<td>B.S., M.S., California Polytechnic State University, San Luis Obispo; Ph.D., NOVA Southeastern University, Florida</td>
</tr>
<tr>
<td>Dilling, Peter</td>
<td>Social Sciences</td>
<td>B.A., Stanford University; M.A., University of California, Irvine</td>
</tr>
<tr>
<td>Downing, Tanya</td>
<td>Business Education</td>
<td>B.A., M.A., California Polytechnic State University, San Luis Obispo</td>
</tr>
</tbody>
</table>
DRECHSLER, BAILEY (1999)
HUMAN DEVELOPMENT
B.A., University of California, Berkeley

DUMAS, BETH-ANN (1999)
LANGUAGES AND COMMUNICATIONS
B.A., M.A., California State University, Fullerton

DUNN, BETSY (2006)
LANGUAGES AND COMMUNICATIONS
B.S., University of Washington;
M.S., University of Tennessee

EICKEMEYER, JAMES (1999)
PHYSICAL SCIENCES
M.S., University of California, Los Angeles;
B.S., Ph.D., University of California, Santa Barbara

FERNANDEZ, DAVID (2004)
ENGINEERING AND TECHNOLOGY
B. Arch., California Polytechnic State University, San Luis Obispo

FINDLEY, VIRGINIA (1999)
BUSINESS EDUCATION
B.S., M.A., California Polytechnic State University, San Luis Obispo

FLEMING, MATTHEW (1999)
ENGLISH
B.A., California State University, Sacramento;
M.A., California Polytechnic State University, San Luis Obispo

FLOREZ-GUTIERREZ, JANET (1994)
EXTENDED OPPORTUNITY PROGRAMS AND SERVICES
B.A., M.A., California State University, San Diego

GALCZENSKI, MARIAN (1990)
FINE ARTS
B.F.A., Tyler School of Art, Temple University, Pennsylvania;
M.F.A., Carnegie Mellon University, Pennsylvania

GILBERT, CHRISTOPHER (2000)
SOCIAL SCIENCES
B.A., Loyola Marymount University;
M.A., Boston College, Massachusetts;
Ph.D., University of California, Riverside

GILLETTE, JAN (1997)
HUMAN DEVELOPMENT
B.S., State University of New York at Stony Brook;
M.S.W., McGill University, Canada

GIRARD, SALLY (1992)
LANGUAGES AND COMMUNICATIONS
A.B., Colby College, Maine;
M.A., Middlebury College, Vermont

GOLD, RANDALL (1968)
SOCIAL SCIENCES
A.B., University of California, Berkeley;
M.A., San Francisco State University;
Ph.D., Michigan State University

GOSSARD, SUSAN (1986)
COUNSELING SERVICES
B.A., California State University, Chico;
M.A., California State University, Sacramento

GOUGH, DANA (1986)
COUNSELING SERVICES
B.A., University of California, Santa Barbara;
M.A., California Polytechnic State University, San Luis Obispo

GROVER, JEFFREY (1988)
PHYSICAL SCIENCES
B.S., University of Southern California;
M.S., University of Arizona

GUTIERREZ, ANTHONY (2006)
STUDENT DEVELOPMENT AND ACTIVITIES
B.A., Azusa Pacific University;
M.A., Michigan State University

HA, FRANCIS (2001)
SOCIAL SCIENCES
B.S., University of California, Berkeley;
M.A., Ph.D., University of California, Santa Barbara

HARDIMAN, TONYA (1995)
COUNSELING SERVICES
B.A., California Polytechnic State University, San Luis Obispo;
M.S., University of La Verne

HERBEKIAN, STEVE (1997)
MATHEMATICS
B.A., University of California, Los Angeles;
M.A., San Francisco State University

HIGHLAND, DOUGLAS (2004)
FINE ARTS
B.A., California Polytechnic State University, San Luis Obispo;
M.A., University of Arizona

HOFFMAN, JULIE (1999)
MATHEMATICS
B.A., University of California, Irvine;
M.S., California State University, San Jose

HUGHES, PATRICK (1989)
MATHEMATICS
B.S., M.A., Eastern Illinois University

JIMISON, KATHERINE (1996)
PHYSICAL SCIENCES
B.S., University of Nevada, Reno;
M.S., University of California, Santa Barbara

JOHNSON, FAY (1999)
NURSING/ALLIED HEALTH
A.A., Harbor College

JOHNSON, JANIEL (2002)
PHYSICAL EDUCATION
B.S., California Polytechnic State University, San Luis Obispo;
M.S., Southern Illinois University, Carbondale
JOHNSON, LAURENCE (1990)  
MATHEMATICS  
B.S., California Polytechnic State University, San Luis Obispo;  
M.S., University of California, Los Angeles

JONES, JEFFREY (1990)  
ENGINEERING AND TECHNOLOGY  
B.S., M.S., San Jose State University

JUDD, DENNIS (1999)  
SOCIAL SCIENCES  
B.A., California Polytechnic State University, San Luis Obispo;  
M.A., University of California, Santa Barbara

KAYSER, AMY (2006)  
ENGLISH AS A SECOND LANGUAGE  
B.A., University of Chicago;  
M.A., Northern Arizona University;  
Ed.D., University of Exeter, UK

KINTER, MICHAEL (1999)  
MATHEMATICS  
B.A., University of California, Berkeley;  
M.A., University of Houston, Texas

KLINGER, ALISA (2001)  
ENGLISH  
B.A., University of Toronto, Canada;  
M.A., Queen's University at Kingston, Canada;  
Ph.D., University of California, Berkeley

KNUDSEN, MATTHEW (2000)  
MATHEMATICS  
B.A., University of California, Santa Cruz;  
M.S., University of California, Irvine

KNUTSON, JOHN (2001)  
PERFORMING ARTS  
B.M., University of Minnesota, Twin Cities;  
M.M., Northern Arizona University

KOENINGER, ANTHONY (2001)  
SOCIAL SCIENCES  
B.A., M.A., Ph.D., University of California, Santa Barbara

KORISHELI, MARGARET (2002)  
FINE ARTS  
B.S., University of California, Los Angeles;  
M.A., California State University, Northridge

KRULIKOWSKI, VICTOR (2001)  
SOCIAL SCIENCES  
B.A., University of Delaware;  
M.A., University of California, Santa Barbara

LAMON, BRENT (1999)  
SOCIAL SCIENCES  
B.S., California Polytechnic State University, San Luis Obispo;  
M.Phil., Ph.D., Graduate School and University Center of the City University of New York

LARSEN, MARIE (1999)  
MATHEMATICS  
B.S., M.S., California Polytechnic State University, San Luis Obispo

LARSON, BEVERLY (1998)  
BUSINESS EDUCATION  
B.B.A., M.B.A., Wichita State University, Kansas

LAU, CHRISTINA (1991)  
LIBRARY/LEARNING RESOURCES  
B.A., Southern California College;  
M.L.S., University of California, Los Angeles;

LEN, PATRICK (2003)  
PHYSICAL SCIENCES  
B.A., Washington State University, Missouri;  
Ph.D., University of California, Davis

LEONE, STEPHEN (1999)  
ENGLISH  
B.A., M.A., California State University, Fresno

LEWIS, GREG (1992)  
MATHEMATICS  
B.S., University of California, Los Angeles;  
M.S., California State University, Northridge

LLOYD, SUSAN (1992)  
LANGUAGES AND COMMUNICATIONS  
B.A., California State University, Hayward;  
B.A., University of Montpellier, France;  
M.A., University of California, Santa Barbara

LOVE, CARINA (2004)  
LIBRARY/LEARNING RESOURCES  
B.A., University of California, Santa Barbara;  
M.A., University of California, Los Angeles

MACHADO, CATHERINE (2006)  
COUNSELING SERVICES  
B.A., M.A., California Polytechnic State University, San Luis Obispo

MALISZEWSKI, ANN (2006)  
BIOLOGICAL SCIENCES  
B.S., Keene State College, New Hampshire;  
M.A., Kent State University, Ohio;  
Ph.D., University of Massachusetts

MANN, NANCY (1990)  
BIOLOGICAL SCIENCES  
B.A., M.A., California State University, Fullerton

MARSALA, SUSAN (1989)  
ENGLISH  
B.A., M.A., California Polytechnic State University, San Luis Obispo

MARSH, JOHN (2004)  
PHYSICAL EDUCATION  
B.A., M.A., California Polytechnic State University, San Luis Obispo
MARTIN, JENNIFER (2004)  
PERFORMING ARTS  
B.A., California State University, Fullerton;  
M.M., University of Redlands

MCAUSTIN, MICHELLE (1990)  
BUSINESS EDUCATION  
B.S., M.A., California Polytechnic State University, San Luis Obispo

MCCARLEY, RONALD (2005)  
PERFORMING ARTS  
B.A., Westmont College;  
M.F.A., California Institute of the Arts

MCCONNICO, LAURIE (2007)  
BIOLOGICAL SCIENCES  
B.S., University of California, San Diego;  
M.S., Moss Landing Marine Laboratories, San Jose State University

MCCORKLE, MARY (1988)  
LANGUAGES AND COMMUNICATIONS  
B.A., M.A., California Polytechnic State University, San Luis Obispo

MCDONALD, RONALD (2007)  
ENGINEERING AND TECHNOLOGY  
Cuesta College

MCGEE, BARBARA (1989)  
MATHEMATICS  
B.A., University of California, Los Angeles;  
B.S., California State University, Northridge;  
M.S., University of Southern California

MCKEOWN, REGINA (2006)  
ENGLISH AS A SECOND LANGUAGE  
B.A., M.A., California Polytechnic State University

MENEDEZ TAYLOR, MADELINE (2005)  
ENGLISH AS A SECOND LANGUAGE  
B.A., M.A., California State University, San Luis Obispo

MERZON, ALLISON (1996)  
PHYSICAL EDUCATION  
B.A., University of California, Davis;  
M.A., California Polytechnic State University, San Luis Obispo

MEYER, JODI (2001)  
MATHEMATICS  
B.S., California Polytechnic State University, San Luis Obispo;  
M.S., Northern Arizona University

MILLER, BARBARA (1996)  
MATHEMATICS  
B.A., College of St. Benedict, Minnesota;  
M.S., University of Colorado, Denver

MILLER, KENNETH “BOB” (2003)  
PHYSICAL EDUCATION  
B.S., University of Redlands;  
M.S.S., United States Sports Academy, Alabama

MISFUD, LISE (2008)  
SOCIAL SCIENCES  
B.A., University of California, Berkeley;  
M.A., University of Tennessee, Knoxville

MOONEY, AMY (1997)  
ENGLISH  
B.A., M.A., Iowa State University

MOORE, CHERIE (1995)  
HUMAN DEVELOPMENT  
B.A., University of Hawaii at Manoa;  
M.A., California Polytechnic State University, San Luis Obispo

MORGAN, JANE (2001)  
SOCIAL SCIENCES  
B.S., San Diego State University;  
M.A., Ph.D., Florida International University

MOSCOSO, GLENGA (2005)  
COUNSELING SERVICES  
B.A., M.A., California Polytechnic State University, San Luis Obispo

NORTON, DONALD (1989)  
HUMAN DEVELOPMENT  
B.A., Antioch University;  
M.A., Pacific Oaks College and Children's School

NUNEZ, IRENE (1986)  
COUNSELING SERVICES  
B.S., California State University, Fresno;  
M.A., California State College, Bakersfield

PARRISH, BERTA (1999)  
ACADEMIC SUPPORT/DISABLED STUDENT PROGRAMS AND SERVICES  
B.A., M.A., Ed.D., Arizona State University

PATCHELL, THOMAS (2006)  
ENGLISH  
B.A., M.A., California Polytechnic State University, San Luis Obispo

PEACHEY, PAM (1995)  
NURSING/ALLIED HEALTH  
B.S.N., Azusa Pacific University;  
M.S.N., California State University, Dominguez Hills

PEREZ SESSER, MARGIE (2005)  
HUMAN DEVELOPMENT  
A.A., Reedley College;  
B.A., California State University, Stanislaus

PETERS, KATHLEEN (1997)  
ACADEMIC SUPPORT/DISABLED STUDENT PROGRAMS AND SERVICES  
B.A., M.A., California Polytechnic State University, San Luis Obispo
PILLSBURY, DOUGLAS (1990)
ENGLISH AS A SECOND LANGUAGE
  B.A., University of Arizona;
  M.A., Fairleigh Dickinson University, New Jersey

POINTER, STACY (2006)
ENGLISH
  B.A., M.A., California Polytechnic State University, San Luis Obispo

PORTER KATHLEEN (2006)
COUNSELING SERVICES
  B.A., California State University – Sacramento;
  M.A., California Polytechnic State University, San Luis Obispo

PROCHASKA, DAVID (1997)
FINE ARTS
  B.F.A., College of Creative Studies, University of California, Santa Barbara;
  M.F.A., University of California, Santa Barbara

RALSTON, IRMTRAUD “WIESIE” (1986)
COUNSELING SERVICES
  B.A., California State University, Long Beach;
  M.A., University of Southern California

RECTOR-CAVAGNARO, ANTHONY (1989)
LANGUAGES AND COMMUNICATIONS
  B.A., M.A., University of California, Irvine

REED, BLAKE (1997)
COUNSELING SERVICES
  B.A., M.A., California Polytechnic State University, San Luis Obispo

REHM, WALTER (1990)
PHYSICAL EDUCATION
  B.A., University of California, Santa Barbara;
  M.S., California Polytechnic State University, San Luis Obispo

REYES, REGINA (2001)
COUNSELING SERVICES
  B.S., M.A., California Polytechnic State University, San Luis Obispo

RODRIGUES, AARON (1991)
SOCIAL SCIENCES
  B.A., University of Southern California;
  M.A., Stanford University

ROSS, ALAN (1998)
BUSINESS EDUCATION
  B.S., M.S., Ph.D., University of California, Los Angeles

ROSSA, MARILYN (1984)
ENGLISH
  B.A., California Polytechnic State University, San Luis Obispo;
  M.A., San Francisco State University

RUBIN, GARY (2004)
BUSINESS EDUCATION
  B.S., DePaul University, Chicago;
  J.D., California Western School of Law

RUPPERT, RON (1989)
BIOLOGICAL SCIENCES
  B.A., M.A., California State University, Fullerton

SANDERS-MORENO, JENNIFER (2001)
MATHEMATICS
  B.S., M.S., California Polytechnic State University, San Luis Obispo

SAWZAK, VICKI (1989)
STUDENT HEALTH CENTER
  B.S., Loma Linda University;
  M.S., Chapman University

SCHWENNICKE, ROBERT (1998)
MATHEMATICS
  B.A., California State University, Long Beach;
  M.A., Ph.D., University of California, Santa Barbara

SCOTT, MARCIA (1995)
NURSING/ALLIED HEALTH
  B.A., Luther College, Iowa;
  M.A., California State University, Dominguez Hills

SCOVIL, RANDY (2001)
BUSINESS EDUCATION
  B.A., San Diego State University;
  M.S., California Polytechnic State University, San Luis Obispo

SHERMAN, TERI (2002)
COUNSELING SERVICES
  B.A., California State University, Fresno;
  M.A., California Polytechnic State University, San Luis Obispo

SILVERBERG, BRUCE (2008)
ENGINEERING AND TECHNOLOGY
  B.A., Dickinson College, Pennsylvania;
  B.Arch., Boston Architectural Center;
  M.S., Columbia University, New York

SMITH, DARLENE (1988)
SOCIAL SCIENCES
  B.A., M.A., California State University, Sacramento

SMITH, DAWN (1999)
NURSING/ALLIED HEALTH
  B.S.N., California State University, Dominguez Hills

SMITH, JULIE (2006)
COUNSELING SERVICES
  B.S., M.A., California Polytechnic State University, San Luis Obispo

SNIDER, WILLIAM (1989)
BUSINESS EDUCATION
  B.S., California Polytechnic State University, Pomona;
  M.B.A., University of Southern California
DIrectorIeS

2008-2009 Catalog Cuesta College

STAKES, DEBRA (2006)
PHYSICAL SCIENCES
B.A., Rice University;
Ph.D., Oregon State University

STALEY, RICHARD (2006)
NURSING/ALLIED HEALTH
B.S., California State University – Fresno;
M.A., California Polytechnic State University

STEVER, CINDY (2006)
COUNSELING SERVICES
B.A., M.A., California Polytechnic University, San Luis Obispo

STEWART, JAMES (1986)
COUNSELING SERVICES
B.S., M.A., California Polytechnic State University, San Luis Obispo

STOKES, JOHN (2006)
ENGINEERING AND TECHNOLOGY
B.S., California Polytechnic University, San Luis Obispo

STONE, GEORGE (1998)
PERFORMING ARTS
B.A., California State University, Northridge;
M.A., University of La Verne

SULLIVAN, JOHN (1989)
BUSINESS EDUCATION
B.B.S., New Hampshire College;
M.S., University of Maine at Portland-Gorham

SUTTER, RALPH (1992)
LANGUAGES AND COMMUNICATIONS
B.A., University of California, Riverside;
M.A., University of California, Los Angeles

TAYLOR, RICHARD (1999)
MATHEMATICS
B.A., M.A., San Jose State University

THORESEN, GEORGE “ROB” (2005)
ENGINEERING AND TECHNOLOGY
B.S., M.S., California Polytechnic State University, San Luis Obispo

TOMES, MARK (1989)
ACADEMIC SUPPORT/DISABLED STUDENT PROGRAMS AND SERVICES
B.A., California State University, Chico;
M.A., Humboldt State University

TORREY, ANTONIA (2001)
NURSING/ALLIED HEALTH
A.D.N., Cuesta College;
B.S.N., M.S.N., California State University, Dominguez Hills

TURNER, MARK (1995)
MATHEMATICS
B.A., California State University, Fullerton;
M.S., California Polytechnic State University, San Luis Obispo

VALLE, BREE (2001)
PERFORMING ARTS
B.A., B.Ed., Lakehead University, Canada;
M.F.A., Arizona State University

VASQUES, MATT (1998)
LANGUAGES AND COMMUNICATIONS
B.A., California Polytechnic State University, San Luis Obispo;
M.A., University of Maine

VASTA, JOSEPH (2001)
MATHEMATICS
B.S., M.S., Ph.D., University of California, Riverside

VERES, JOHN (1999)
BIOLOGICAL SCIENCES
B.A., Rutgers University, New Jersey;
M.S., Washington State University;
Ph.D., Duke University, North Carolina

VILLA, GARY (2001)
ENGINEERING AND TECHNOLOGY
B.A., California Polytechnic State University, San Luis Obispo

WASKA, KAREN (2007)
ACADEMIC SUPPORT/DISABLED STUDENT PROGRAMS AND SERVICES
B.A., California State University, Fullerton;
M.A., Claremont Graduate University

WEBER, MARK (1989)
SOCIAL SCIENCES
B.A., Humboldt State University;
M.A., Vanderbilt University, Tennessee

WEST, JAMES (1999)
ENGLISH
B.A., M.A., California Polytechnic State University, San Luis Obispo

WRIGHT, PEGGY (1999)
MATHEMATICS
B.A., University of California, Los Angeles;
M.S., California State University, Northridge

ZIEHL, CHERYL (1990)
ACADEMIC SUPPORT/DISABLED STUDENT PROGRAMS AND SERVICES
B.A., University of California, Santa Barbara;
M.A., California Polytechnic State University, San Luis Obispo

ZIPPERIAN, KATHRYN (1998)
ENGLISH
B.A., California State University, Sacramento;
M.A., California Polytechnic State University, San Luis Obispo
FACULTY: PART-TIME AS OF JULY 1, 2008

ARCHERKIRCHEN, CAROL
ENGLISH
B.S., M.A., University of Tennessee, Knoxville

ALEXANDER, JOHN
BUSINESS EDUCATION
B.A., California State University, Sacramento;
M.A., University of San Francisco

ALLEBE, ADRIENNE
FINE ARTS
B.A., University of California, Santa Barbara;
M.A., California State University, Long Beach

ALLEN, JILLIAN
ENGLISH AS A SECOND LANGUAGE
B.A., Purdue University;
M.A., Point Loma Nazarene University

ALLEN, LAURIE
LIBRARY/LEARNING RESOURCES
B.A., Temple University, Philadelphia;
M.A., University of Arizona

AMBROSE, MARY ANN
NURSING/ALLIED HEALTH
B.S., Long Beach State University;
B.S.N, M.S.N., Graceland University

ANDERSON, CHRISTOPHER
NURSING/ALLIED HEALTH
Cuesta College;
California Polytechnic State University, San Luis Obispo;
National California Training Institute

ANDERSON, JAMES
ENGINEERING AND TECHNOLOGY
B.S., California Polytechnic State University, San Luis Obispo;
M.S., University of California, Davis

ANDERSON, JILL
PERFORMING ARTS
B.A., Pomona College, Claremont;
M.M., University of Southern California;
D.M.A., University of California, Santa Barbara

ANDERSON, TIMOTHY
FINE ARTS
B.A., Humboldt State University;
M.A., University of Oklahoma

ANDRUS, RICHARD
ENGINEERING AND TECHNOLOGY
Cuesta College

ARNOLD, PATRICIA
FINE ARTS
B.A., California Polytechnic State University, San Luis Obispo;
M.A. Lesley University, Massachusetts

ASHLEY, JENNIFER
ENGLISH
B.A., M.A., California Polytechnic State University, San Luis Obispo

AYDELOTT, MATTHEW
WORFORCE AND ECONOMIC DEVELOPMENT PROGRAMS
B.S., Excelsior College, New York

BADRIGIAN, BRUCE
ENGLISH
B.A., M.S., California Polytechnic State University, San Luis Obispo

BANFIELD, ROBERT
LANGUAGES AND COMMUNICATIONS
B.A., Brigham Young University, Utah

BARBER, CHRISTINA
LANGUAGES AND COMMUNICATIONS
B.A., M.A., California State University, Sacramento;
M.A., University of Kent, UK

BARBER, JENNIFER
ENGLISH AS A SECOND LANGUAGE
B.A., Dominican College of San Rafael;
M.A., Fresno Pacific College

BARBIER, JANELLE
BIOLOGICAL SCIENCES
B.S., University of California, Santa Cruz

BARCLAY, KENNETH
SOCIAL SCIENCES
B.A., Bowling Green State University, Ohio;
M.A., University of Massachusetts at Amherst;
Ph.D., Kent State University, Ohio

BARKER, DEBORAH
BIOLOGICAL SCIENCES
B.S., M.S., California Polytechnic State University, San Luis Obispo

BARKHUFF, WILLIAM
ENGINEERING AND TECHNOLOGY
B.S., California Polytechnic State University, San Luis Obispo

BARTH, MARY
LIBRARY/LEARNING RESOURCES
B.A., California Polytechnic State University, San Luis Obispo;
M.L.I.S., San Jose State University

BATTLES, JAMES
PHYSICAL SCIENCES
B.A., M.A., Ph.D., University of California, Riverside
BAUER, PAUL  
PHYSICAL SCIENCES  
B.A., University of Oregon;  
M.A., San Jose State University

BAYHAN, RONALD  
FINE ARTS  
B.A., M.A., California State University, Fullerton

BEATON, ERIC  
ENGINEERING AND TECHNOLOGY  
B.A., M.A., California Polytechnic State University, San Luis Obispo

BEATTY, DAVID  
ENGINEERING AND TECHNOLOGY  
B.A., California Polytechnic State University, San Luis Obispo

BECHEIMER, TIMOTHY  
ENGINEERING AND TECHNOLOGY  
B.S., California Polytechnic State University, San Luis Obispo

BECK, JUNE  
ENGLISH  
B.A., Antioch University, Santa Barbara;  
M.A., California Polytechnic State University, San Luis Obispo

BECKER, DAVID  
PERFORMING ARTS  
B.A., University of Florida

BEEMAN, MICHAEL  
NURSING/ALLIED HEALTH  
A.S., Allan Hancock College

BEHNKE, GINGER  
HUMAN DEVELOPMENT  
B.S., California Polytechnic State University, San Luis Obispo

BERTRANDO, ETHAN  
SOCIAL SCIENCES  
B.A., California Polytechnic State University, San Luis Obispo;  
M.A., University of California, Santa Barbara

BIERY, KAREN  
BIOLOGICAL SCIENCES  
B.S., University of California, Davis;  
M.S., Colorado State University;  
Ph.D., Texas A & M University

BLACKIE, KIMBERLY  
HUMAN DEVELOPMENT  
Brooks College of Fashion & Design

BLAIR, RUSSELL  
PHYSICAL EDUCATION  
B.S., University of Oregon;  
M.S., California Polytechnic State University, San Luis Obispo

BLANC, SANDRA  
ENGLISH AS A SECOND LANGUAGE  
B.A., M.A., University of California, Riverside

BLANCHARD, DANIELLE  
PERFORMING ARTS  
B.F.A., Boston Conservatory of Music;  
M.A., University of Arizona, Tucson

BLAZEJ, DONALD  
BUSINESS EDUCATION  
B.S., California Polytechnic State University, San Luis Obispo;  
M.A., California State University, Northridge

BOLYANATZ, MARYA  
NURSING/ALLIED HEALTH  
B.A., California State University, Long Beach;  
M.S.N., Western University of Health Sciences

BOSTER, ELIZABETH  
HUMAN DEVELOPMENT  
B.S., M.S., California Polytechnic State University, San Luis Obispo

BRADLEY, IVAN  
BUSINESS EDUCATION  
B.A., Humboldt State University;  
M.A., Lesley University

BRAUN, CHRISTINE  
PHYSICAL SCIENCES  
M.S., Ecole Nationale Superieure de Chimie de Paris;  
M.S., Pierre et Marie Curie University, Paris;  
Ph.D., Joseph Fourier University, Paris

BREKKE, SHEREE  
NURSING/ALLIED HEALTH  
A.A., College of the Redwoods

BREWSTER, DONALD  
WORKFORCE DEVELOPMENT PROJECTS  
B.A., California State University, Long Beach;  
M.A., University of Idaho

BROERSMA, BARBARA  
COUNSELING SERVICES  
B.A., M.P.A., California State University, Long Beach;  
M.A., California Polytechnic State University, San Luis Obispo

BROGNO, COURTNEY  
ENGLISH  
B.A., M.A., California Polytechnic State University, San Luis Obispo
BROWN, DAWN
WORKFORCE AND ECONOMIC DEVELOPMENT PROGRAMS
B.A., California Polytechnic State University, San Luis Obispo; M.A., Texas Women's University

BROWN, PATRICIA
HUMAN DEVELOPMENT
B.A., Ohio State University; M.S., Michigan State University

BUCKLEY, DOUG
ENGINEERING AND TECHNOLOGY
Cuesta College

BUDGINAS, RUDOLFAS
PERFORMING ARTS
B.A., Lithuanian State Music Academy, Vilnius; M.M., Ph.D., University of Southern California

BURNS, MICHAEL
FINE ARTS
B.A., University of California, Los Angeles; M.F.A., University of California, Santa Barbara

BURTON, CHARLES
WORKFORCE AND ECONOMIC DEVELOPMENT PROGRAMS
B.A., Chapman University

BUSCHER, PATRICIA
LIBRARY/LEARNING RESOURCES
B.A., University of California, Riverside; M.S.L.S., University of Southern California

CAKSHIRI, BARBARA
MATHEMATICS
B.A., University of California, Los Angeles; M.A., California State University, Los Angeles

CAMPBELL, LISA
HUMAN DEVELOPMENT
B.S., California Polytechnic State University, San Luis Obispo; M.A., California State University, Los Angeles

CANESTRO, MIRANDA
BIOLOGICAL SCIENCES
B.A., M.S., University of California, Santa Cruz

CANNEY, DANIEL
WORKFORCE AND ECONOMIC DEVELOPMENT PROGRAMS
B.A., M.A., California State University, Long Beach; D.A., University of Oregon

CARDINALE, JOSEPH
COUNSELING SERVICES
B.S., M.A., California Polytechnic State University, San Luis Obispo

CARDINALI, SARAH
WORKFORCE AND ECONOMIC DEVELOPMENT PROGRAMS
B.A., San Francisco State University

CARLTON, KRISTIN
HUMAN DEVELOPMENT

CARRO, JOSEPH
BUSINESS EDUCATION
B.S., Loyola University; M.B.A., Pepperdine University

CASTRO, CHRIS
MUSIC THEORY
B.M., Azusa Pacific University; M.Mus., M.Th., Azusa Pacific University

CHAUSSE, DELBERT
LIBRARY/LEARNING RESOURCES
B.S., Southern Oregon College; M.A., University of Denver

CHILTON, SUSAN
LANGUAGES AND COMMUNICATIONS
American River College

CHINICHIAN, MOSTAFA
ENGINEERING AND TECHNOLOGY
B.S., Tehran Polytechnic University; M.S., P.E., George Washington University; Ph.D., Florida Institute of Technology

CIZMAR, PAULA
WORKFORCE AND ECONOMIC DEVELOPMENT PROGRAMS
B.A., Ohio University

CLARIN, SARA
PHYSICAL EDUCATION
B.A., M.A., California Polytechnic State University, San Luis Obispo

CLARK WARNISHER, JUDE
PHYSICAL EDUCATION
B.A., California State University, Chico; M.A., University of California, Irvine

CLARKE, JEFFERSON
FINE ARTS
B.S., California Polytechnic State University, San Luis Obispo; M.F.A., University of California, Santa Barbara

CLEEVES, MARYLNE
BUSINESS EDUCATION
Long Beach City College
CLICKARD, CHRISTINE  
HEALTH CENTER  
B.S., University of California, Santa Cruz;  
B.S.N., University of California, San Francisco

COATES, BRIAN  
ENGINEERING AND TECHNOLOGY  
B.S., California Polytechnic State University, San Luis Obispo

COFFMAN, CARYN  
HUMAN DEVELOPMENT  
B.S., California Polytechnic State University, San Luis Obispo;  
M.A., California State University, Northridge

COLEY, ELNA  
ENGLISH  
B.A., Wheaton College, Illinois;  
M.A., California State University, Long Beach;  
M.E.D., California Polytechnic State University, San Luis Obispo

COLLIER, MYLA  
EMERITUS COLLEGE  
B.A., M.A., California State University, Long Beach

CONARY, JEFFREY  
MUSIC/PERFORMING ARTS  
B.M., B.S., DePaul University

CONKLIN, LUCY  
ENGLISH  
B.A., California State University, Long Beach

COOPER, SOLVEG  
BUSINESS EDUCATION  
B.S., Texas A & M University;  
M.B.A., University of Southern California

CREAMER, TONYA  
ENGLISH AS A SECOND LANGUAGE  
B.A., University of South Carolina;  
M.A., Old Dominion University

CROSS, JUDITH  
SOCIAL SCIENCES  
B.A., California State University, Sacramento;  
M.A., Ph.D., University of California, Davis

CROSS, WILLIAM  
MATHEMATICS  
B.A., University of California, Santa Barbara;  
M.A., University of San Francisco

CULLEN, BONNIE  
FINE ARTS  
B.A., University of Illinois;  
M.A., University of Chicago, Illinois;  
M.A., University of London, England

D'AVIGON, INDIA  
PERFORMING ARTS  
B.M.E., Wittenberg University;  
M.A., Ohio State University

DANIELS, DENNIS  
MATHEMATICS  
B.A., California State University, Northridge;  
M.A., California Polytechnic State University, San Luis Obispo

DANIELS, SHIRLEY  
MATHEMATICS  
B.A., University of Massachusetts at Amherst

DANSBY, JOE  
PHYSICAL EDUCATION  
B.A., M.A., California Polytechnic State University, San Luis Obispo

DAVIES, THOMAS  
PERFORMING ARTS  
B.M., Bowling Green State University, Ohio;  
M.M., M.D.A., University of Southern California

DELKESKAMP, JUDITH  
PHYSICAL EDUCATION  
B.S., California State University, Long Beach;  
M.P.H., University of Hawaii at Manoa

DEPASS, CALVIN  
BUSINESS EDUCATION  
B.A., Portland State University, Oregon;  
M.A., University of Oregon

DETEMASO, SALLEE  
ACADEMIC SUPPORT/DISABLED STUDENT PROGRAMS AND SERVICES  
B.A., California State University, Bakersfield;  
M.A., California Polytechnic State University, San Luis Obispo

DEVITT, MICHAEL  
BUSINESS EDUCATION  
B.A., Santa Clara University;  
J.D., Loyola Law School

DIAMOND, DIANE  
ENGLISH AS A SECOND LANGUAGE  
B.A., California State College, San Francisco;  
M.A., School for International Training, Vermont

DIN, JENNIFER  
NURSING  
Santa Barbara Business College

DOCKSTADER, MARY ANN  
ACADEMIC SUPPORT/DISABLED STUDENT PROGRAMS AND SERVICES  
B.A., M.A., State University of New York at Binghamton;  
Ed.D., University of San Francisco
DOE, KRISTOPHER  
EMERITUS COLLEGE  
B.F.A., Art Center College of Design

DONALDSON, JANE  
BIOLOGICAL SCIENCES  
B.S., M.A., California Polytechnic State University, San Luis Obispo

DOWELL, DAVID  
LIBRARY/LEARNING RESOURCES  
B.A., Oklahoma Baptist University;  
M.S., University of Illinois;  
Ph.D., University of North Carolina

DRAGOO, LESLIE  
HUMAN DEVELOPMENT  
B.A., Fresno State University

DUARTE, LISHA  
LANGUAGES AND COMMUNICATIONS  
B.A., M.A., University of Iowa

DUKEHART, FRAN  
WORKFORCE AND ECONOMIC DEVELOPMENT PROGRAMS  
A.A., Saint Xavier University, Chicago

EASTMAN, SILSBY  
WORKFORCE AND ECONOMIC DEVELOPMENT PROGRAMS  
B.A., Occidental College;  
M.A., Indiana University

EGAN, DENISE  
HUMAN DEVELOPMENT  
B.A., San Diego State University;  
M.A., Chapman University, Orange

ELGHANDOUR, ELTAHRI  
ENGINEERING AND TECHNOLOGY  
B.S., M.S., Helwan University, Cairo, Egypt;  
Ph.D., California Polytechnic State University, San Luis Obispo

ELLENBOGEN, SUSAN  
WORKFORCE AND ECONOMIC DEVELOPMENT PROGRAMS  
B.A., University of California, Los Angeles;  
J.D., San Fernando Valley College of Law

EMERSON, ALYSSA  
ENGLISH  
B.A., M.A., California Polytechnic State University, San Luis Obispo

EMERSON, DENISE  
HUMAN DEVELOPMENT  
B.A., M.A., California Polytechnic State University, San Luis Obispo

EPSTEIN, WILLIAM  
ENGINEERING AND TECHNOLOGY  
B.S.C.E., B.S.A.E., University of Miami;  
M.A., University of Florida;  
Ph.D., University of Florida

ESTES, JASON  
MATHEMATICS  
B.S., M.S., California Polytechnic State University, San Luis Obispo

FAHY, DANIEL  
ENGLISH  
B.A., University of California, Santa Cruz;  
M. Phil., University of Oxford, England

FAITHFULL, HELEN  
NURSING/ALLIED HEALTH  
A.A., The Manchester Metropolitan University, Crewe, England

FARAHMAND, MITRA  
PHYSICAL SCIENCES  
B.A., Sharif University of Technology, Iran;  
M.A., University of Sydney, Australia

FARINO, ROBERT  
NURSING/ALLIED HEALTH  
B.A., California Polytechnic State University, San Luis Obispo

FARRER, VICKI  
ACADEMIC SUPPORT/DISABLED STUDENT PROGRAMS AND SERVICES  
B.A., M.A.T., Wayne State University, Michigan;  
M.B.A., Webster University, Missouri

FARRIS, TOM  
PHYSICAL SCIENCES  
B.A., University of California, Berkeley;  
M.A., Ph.D., University of California, Davis

FETCHO, JOHN  
MATHEMATICS  
B.S., California Polytechnic State University, Pomona;  
M.A., California Polytechnic State University, San Luis Obispo

FEUERBERG, DAWN  
LANGUAGES AND COMMUNICATIONS  
B.A., University of California, Irvine;  
M.A., University of California, Santa Barbara

FONTES, MICHAEL  
ENGINEERING AND TECHNOLOGY  
California Polytechnic State University, San Luis Obispo

FOURIE, DENISE  
LIBRARY/LEARNING RESOURCES  
B.A., University of California, Berkeley;  
M.L.S., University of Southern California
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<tr>
<th>Name</th>
<th>Department</th>
<th>Education Details</th>
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<tr>
<td>Fournier, Elaine</td>
<td>Performing Arts</td>
<td>B.A., M.A., California Polytechnic State University, San Luis Obispo</td>
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<td>Franklin, Julie</td>
<td>Human Development</td>
<td>B.S., California Polytechnic State University, San Luis Obispo</td>
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<td>Fuess, Katherine</td>
<td>Social Sciences</td>
<td>B.A., M.A., Michigan State University</td>
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<td>Fullwood, Ralph</td>
<td>Physical Sciences</td>
<td>B.A., Texas Technological University; M.A., Harvard University, Massachusetts</td>
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<td>Gaisi, Nora</td>
<td>Social Sciences</td>
<td>B.A., University of North Carolina; M.A. Hunter College, New York</td>
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<td>Galanti, Tera</td>
<td>Fine Arts</td>
<td>B.A., M.A., California State University, Long Beach</td>
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<td>Ganes, Clyde</td>
<td>Engineering and Technology</td>
<td>B.S., University of Redlands</td>
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<td>Garnsey, Cheryl</td>
<td>Business Education</td>
<td>B.A., California State University, Fresno; M.A., Chapman University</td>
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<td>Gary, Frank</td>
<td>Workforce and Economic Development Programs</td>
<td>B.A., San Jose State University</td>
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<td>Garza, Karen</td>
<td>English as A Second Language</td>
<td>B.A., Humboldt State University; M.A., San Jose State University</td>
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<td>Gaw, Cynthia</td>
<td>English</td>
<td>B.A., M.A., California Polytechnic State University, San Luis Obispo</td>
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<td>Gee, MarySue</td>
<td>Performing Arts</td>
<td>B.A., M.A., Morehead State University, Kentucky</td>
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<td>Geibert, William</td>
<td>Workforce and Economic Development Programs</td>
<td>B.A., California State College, Fullerton</td>
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<td>Genet, Cheryl</td>
<td>Social Sciences</td>
<td>B.A., M.A., California State University, Fullerton</td>
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<td>Genet, Russ</td>
<td>Physical Sciences</td>
<td>B.A., University of Oklahoma; M.A., Air Force Institute of Technology; Ph.D., Union Institute &amp; University</td>
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<td>Gerich, Robert</td>
<td>Social Sciences</td>
<td>B.A., California Polytechnic State University, San Luis Obispo; M.A., California State University, Chico</td>
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<tr>
<td>German, Eugenia</td>
<td>Performing Arts</td>
<td>B.A., Rubin Academy of Music, Israel; M.A., University of Denver, Colorado</td>
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<td>Gin, Sue</td>
<td>Physical Education</td>
<td>B.A., California State University, Fresno; M.A., University of Arizona, Tucson</td>
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<td>Glavan, Tiffany</td>
<td>Biological Sciences</td>
<td>B.A., Tufts University, Medford, MA</td>
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<td>Glidden, Stedman</td>
<td>Mathematics</td>
<td>B.A., California State University, Long Beach; M.A., Wesleyan University, Middletown, CT</td>
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<td>Golden, Mary</td>
<td>Workforce and Economic Development Programs</td>
<td>B.A., Washington State University; M.F.A., Colorado State University</td>
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<td>Goldner, Arthur</td>
<td>Social Sciences</td>
<td>B.A., Skidmore College, Saratoga Springs, NY; M.A., New York University</td>
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<td>Gordon Johnson, Pamela Michele</td>
<td>Human Development</td>
<td>B.A., University of California, Santa Barbara; M.A., Sonoma State University</td>
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<td>Greenaway, Scott</td>
<td>Engineering and Technology</td>
<td>B.S., California Polytechnic State University, San Luis Obispo</td>
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<td>Grover, L. Joann</td>
<td>Engineering and Technology</td>
<td>B.A., California Polytechnic State University, San Luis Obispo</td>
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<td>Guglielmo, Sarah</td>
<td>Physical Education</td>
<td>B.S., M.S., California Polytechnic State University, San Luis Obispo</td>
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</table>
GUNDERSON, MATT
ENGINEERING AND TECHNOLOGY
West Valley Occupational, Los Angeles

HAFLEY-KLUVER, HAILA
HUMAN DEVELOPMENT
B.A., M.A., Pacific Oaks College

HALDERMAN, ANTHONY
ENGLISH AS A SECOND LANGUAGE
B.A., M.A., California Polytechnic State University, San Luis Obispo

HALL, ZACHARY
LANGUAGES AND COMMUNICATIONS
B.A., California State University, Northridge; M.A., San Jose State University

HALLMARK, TIMOTHY
NURSING/ALLIED HEALTH
Cuesta College, Compton College, Allan Hancock College

HALSTED, DIANE
WORKFORCE AND ECONOMIC DEVELOPMENT PROGRAMS
B.A., University of California, Davis; M.A., College of William and Mary, Virginia

HARMON, CLAUDIA
HUMAN DEVELOPMENT
B.F.A., University of California, Irvine

HART, NANCY
ENGLISH
B.A., M.A., California Polytechnic State University, San Luis Obispo

HASTINGS, MARY
ACADEMIC SUPPORT/DISABLED STUDENT PROGRAMS AND SERVICES
B.A., United States International University; M.A., California Polytechnic State University, San Luis Obispo

HAYNER, CLAUDIA
BUSINESS EDUCATION
A.A., Cuesta College

HAYS, ROBERT
MATHEMATICS
B.A., M.A.T., Cornell University, Ithaca, NY

HEGWOOD, DENNIS
ENGINEERING AND TECHNOLOGY
B.A., California State University, Long Beach; M.A., California Polytechnic State University, Pomona

HENDERSON, BRUCE
ENGLISH
B.A., Oberlin College, Ohio; M.A., University of Washington, Seattle; Ph.D., University of Albany, New York

HENDERSON, JENNIFER
BUSINESS EDUCATION/ENGLISH AS A SECOND LANGUAGE
B.A., California Polytechnic State University, San Luis Obispo; Chapman University

HENDY-MCKEE, KEALOHA
HUMAN DEVELOPMENT
A.A., Cuesta College

HENDRICKS, STEVEN
BIOLOGICAL SCIENCES
B.A., Humboldt State University; M.A., Oregon State University

HERTZ, TONY
FINE ARTS
B.S., California Polytechnic State University, San Luis Obispo

HESSON, JC
ENGLISH
B.S., M.S., Indiana University Bloomington; Ed.D., University of New Mexico

HIGDON, CONSTANCE
SOCIAL SCIENCES
B.A., University of California, Santa Cruz; M.A., Indiana University; Ph.D., University of Texas

HIGGINS, NEIL
BUSINESS EDUCATION
B.A., University of California, Davis; M.B.A., California Polytechnic State University, San Luis Obispo

HILLIER, COLLETTE
BUSINESS EDUCATION
B.S., University of Redlands; J.D., Santa Barbara College of Law

HITCHMAN, RICHARD
SOCIAL SCIENCES
B.A., M.A., University of California, Santa Barbara

HOEKMAN, LARRY
WORKFORCE AND ECONOMIC DEVELOPMENT PROGRAMS
B.A., Western Washington State College; M.A., University of LaVerne

HOEY, FREDERICK
BUSINESS EDUCATION
A.A., College of San Mateo
HOLLIS, THOMAS
PHYSICAL SCIENCES
B.S., M.S., California State University, Long Beach

HOLMES, MICHAEL
BIOLOGICAL SCIENCES
B.S., California Polytechnic State University, San Luis Obispo;
M.S., University of Oregon

HORSLEY, JOHN
PHYSICAL SCIENCES
B.A., Ph.D., Oxford University, England

HOWE, PATRICK
LANGUAGES AND COMMUNICATIONS
B.A., University of Minnesota

HUBBARD, JENNIFER
BUSINESS EDUCATION
B.A., Purdue University, Indiana

HUET, LISA
HUMAN DEVELOPMENT
B.S., California Polytechnic State University, San Luis Obispo;
M.S.W., University of California, Berkeley

HUGHES, GARY
PHYSICAL SCIENCES
B.A., Northwestern University, Illinois;
M.A., University of California, Santa Barbara;
Ph.D., University of Pennsylvania

HUNTER, PIPER
WORKFORCE AND ECONOMIC DEVELOPMENT PROGRAMS
B.S., Pepperdine University

HURD, NANCY
HUMAN DEVELOPMENT
B.A., Hillsdale College, Michigan;
M.A., Ohio State College, Columbus

HUSTAD, KEN
PERFORMING ARTS
B.A., St. Cloud State University, Minnesota

IRVING, MARCELINE
PERFORMING ART
B.M., California State University, Northridge;
M.M., University of Nevada

IVERSEN, TONYA
HUMAN DEVELOPMENT
B.A., M.A., California Polytechnic State University, San Luis Obispo

JACKSON, RICHARD
PERFORMING ARTS
B.F.A., Sam Houston State University, Texas;
M.A., California Polytechnic State University, San Luis Obispo

JAGGER, ELLEN
LIBRARY/LEARNING RESOURCES
B.A., University of California, Santa Cruz;
M.A., Syracuse University, New York

JANZEN, LINDA
LANGUAGES AND COMMUNICATIONS
A.B., Indiana State University;
M.A.T., Indiana University;
M.S., California State University, Bakersfield

JENKIN, BRYCE
MATHEMATICS
B.A., California Polytechnic State University, San Luis Obispo

JENSEN, JACQUELINE
NURSING/ALLIED HEALTH
B.S.N., University of Massachusetts;
M.S.N., University of Phoenix

JETER, LENORA
COUNSELING SERVICES/WORKFORCE DEVELOPMENT PROJECTS
B.S., California Polytechnic State University, San Luis Obispo;
M.S., University of LaVerne

JOHNSON, DAREL
NURSING/ALLIED HEALTH
B.A., M.A., Pepperdine University

JOHNSON, JR. MARSHALL
LANGUAGES AND COMMUNICATIONS
B.A., California State University, Northridge;
M.A., California State University, Los Angeles

JONES, MELINDA
HUMAN DEVELOPMENT
B.A., Whitman College, Washington;
M.A., Seattle University, Washington;
M.A., University of Denver, Colorado

KAHANE UNCH, ALEXANDRA
PHYSICAL SCIENCES
B.S., State University of New York;
Ph.D., Ohio State University

KARAMATIC SHANER, LISA
NURSING/ALLIED HEALTH
B.S., University of Washington

KAUL, MICHELLE
MATHEMATICS
B.A., University of South Florida;
M.S., New Mexico State University

KENNEDY, LISA
PHYSICAL SCIENCES
B.S., M.S., California Polytechnic State University, San Luis Obispo
KENNEDY, ROBERT
WORKFORCE AND ECONOMIC DEVELOPMENT
PROGRAMS
B.F.A., M.F.A., Ohio University

KERR, CLARK
MATHEMATICS
B.A., Brigham Young University, Utah;
M.A., California State University, Los Angeles

KINSEY, JACQUELINE
LIBRARY/LEARNING RESOURCES
B.A., Texas Lutheran College;
M.S.L.S., University of North Texas

KIRKHART, DAVID
BIOLOGICAL SCIENCES
B.A., M.A., California Polytechnic State University, San Luis Obispo

KIRKPATRICK, JANNIE
WORKFORCE AND ECONOMIC DEVELOPMENT
PROGRAMS
B.A., Chatham College, Pittsburgh, PA;
M.A., Kean University, Union, NJ

KLIPPENSTEIN, SELINA
MATHEMATICS
B.A., Pepperdine University;
M.A., California State University, Northridge

KNERR, ARLENE
WORKFORCE AND ECONOMIC DEVELOPMENT
PROGRAMS
B.A., M.A., San Jose State University

KNIGHT, ELI
ENGINEERING AND TECHNOLOGY
Cuesta College, Tulsa Welding School

KNOWLES, JULIET
BUSINESS EDUCATION
B.S., University of California, Santa Barbara;
M.A., San Francisco State University

KOOS, JENNIFER
NURSING/ALLIED HEALTH
B.S., California Polytechnic State University, San Luis Obispo;
B.S., Loma Linda University;
M.S., University of California, Los Angeles

KRAUSE, DAVID
BIOLOGICAL SCIENCES
B.S., M.S., San Diego State University

KREOWSKI, BRIAN
SOCIAL SCIENCES
B.A., California Polytechnic State University, San Luis Obispo;
J.D., California Western School of Law

KRULL, JOY
WORKFORCE AND ECONOMIC DEVELOPMENT
PROGRAMS
University of California, Irvine;
California State University, Long Beach

LABARBERA, JEANNE
FINE ARTS
B.A., M.A., University of California, Los Angeles;
Ph.D., University of California, Santa Barbara

LABRENZ, THEA
COUNSELING SERVICES
B.A., University of California, San Diego;
M.S., San Diego State University

LAIDLAW, REBECCA
LANGUAGES AND COMMUNICATIONS
B.A., M.A., San Jose State University

LAMON, MADELEINE
ACADEMIC SUPPORT/DISABLED STUDENT
PROGRAMS AND SERVICES
B.A., Hunter College, City University of New York

LAVOIE, DERRICK
BIOLOGICAL SCIENCES
B.A., M.A., California Polytechnic State University, San Luis Obispo;
Ph.D., Florida State University

LEBRANE, LAWRENCE
WORKFORCE AND ECONOMIC DEVELOPMENT
PROGRAMS
B.A., M.A., Otis Art Institute

LEE, ROGER
FINE ARTS
B.S., San Jose State University;
M.A., Stanford University

LEMUS, JOSE
ENGINEERING AND TECHNOLOGY
B.S., California Polytechnic State University, San Luis Obispo

LESAGE, PAUL
PHYSICAL EDUCATION
B.A., California State University, Long Beach

LINGGI, MONICA
ENGLISH AS A SECOND LANGUAGE
B.A., M.A., University of California, Davis

LOCHER, BRIAN
PHYSICAL EDUCATION
B.S., Chico State University;
M.S., California Polytechnic State University, San Luis Obispo

LOGAN, KATHRYN
SOCIAL SCIENCES
B.A., California Polytechnic State University, San Luis Obispo;
M.A., University of Kent, England
LOHMANN, LAURIE  
ENGLISH DIVISION  
B.A., California Polytechnic State University, San Luis Obispo;  
M.A., Chapman University

LOOMIS, MARIAN  
FINE ARTS  
Chicago Art Institute;  
Colorado College;  
University of Illinois at Urbana - Champaign;  
Colorado State University

LUTHI, LOUISE  
FINE ARTS  
B.A., University of California, Santa Barbara;  
M.F.A., Yale University School of Art

LYMAN, JOSHUA  
LANGUAGES AND COMMUNICATIONS  
B.A., California State University, Fullerton;  
M.A., California State University, Chico

LYONS, MARGUERITE  
WORKFORCE AND ECONOMIC DEVELOPMENT PROGRAMS  
B.A., University of Southern California;  
M.S. California State University, Dominguez Hills

MACARTHUR, SUZANNE  
MATHEMATICS  
B.A., California Polytechnic State University, San Luis Obispo

MACINTYRE, ERIN  
STUDENT HEALTH CENTER  
B.A., California State University, Fresno;  
M.A., Ph.D., Alliant International University

MAIN, DAVID  
ENGINEERING AND TECHNOLOGY  
B.A., University of New Mexico;  
M.A., California Polytechnic State University, San Luis Obispo

MAIN, ROY  
PERFORMING ARTS  
M.A., California State University, Los Angeles

MANOR, SONJA  
MATHEMATICS  
B.A., M.S., Humboldt State University

MANSEAU, DIANA  
WORKFORCE AND ECONOMIC DEVELOPMENT PROGRAMS  
B.A., M.A., University of California, Long Beach

MARCHANT, CHRISTINE  
ENGLISH  
B.A., University of Strasbourg, France;  
M.A., California Polytechnic State University, San Luis Obispo

MARCOVE, KATHLEEN  
BUSINESS EDUCATION  
B.A., American College of Switzerland;  
M.A., School for International Training, Vermont

MARTIGNONI, KELLI  
BUSINESS EDUCATION  
B.A., California State University, Fresno

MARTIN, SANDRA  
WORKFORCE AND ECONOMIC DEVELOPMENT PROGRAMS  
B.A., Lawrence University Conservatory of Music

MASUCCI, JACQUELINE  
MATHEMATICS  
B.S., Loyola University, Los Angeles;  
M.A., Loyola Marymount University, Los Angeles

MAY, PHILIP  
WORKFORCE AND ECONOMIC DEVELOPMENT PROGRAMS  
B.A., Michigan State University

MCBRIDE, BARBARA  
WORKFORCE AND ECONOMIC DEVELOPMENT PROGRAMS  
B.S., University of Oregon;  
M.A., University of Phoenix

MCBRIDE, RHONDA  
HUMAN DEVELOPMENT  
Fashion Institute of Design and Merchandising

MCGRATH, KIMBERLY  
ENGLISH DIVISION  
B.S., University of Texas;  
M.A., University of Louisiana

MCNEELEY, GALE  
PERFORMING ARTS  
B.A., John Carroll University, University Heights, OH

MEANS, JOHN  
ENGINEERING AND TECHNOLOGY  
B.A., Tarkio College, Missouri

MEDHURST, MECHELLE  
PHYSICAL EDUCATION  
B.S., M.S., California Polytechnic State University, San Luis Obispo
MEDLEY, CARSON  
ENGLISH  
B.A., University of California, Berkley;  
M.A., California Polytechnic State University, San Luis Obispo

MEHL, MARTIN  
LANGUAGES AND COMMUNICATIONS  
B.A., Iowa State University;  
M.A., Emerson College, Boston, MS

MEHLSCHAU, ANDREW  
ENGINEERING AND TECHNOLOGY  
Allan Hancock College;  
Cuesta College

MENDEL, NORMAN  
SOCIAL SCIENCES  
B.A., University of Southern California;  
M.A.H.L., D.D., Hebrew Union College;  
Ph.D., University of South Africa

MICHAELIS, MATTHEW  
SOCIAL SCIENCES  
B.A., University of California, Santa Barbara;  
M.A., University of California, Irvine

MICHAUD, REBECCA  
MATHEMATICS  
B.S., M.A., California Polytechnic State University, San Luis Obispo

MIFSUD, LISE  
SOCIAL SCIENCES  
B.A., University of California, Berkeley;  
M.A., University of Tennessee, Knoxville

MIGLER, THERESA  
MATHEMATICS  
B.S., M.S., California Polytechnic State University, San Luis Obispo

MILEY, JEFFREY  
PERFORMING ARTS  
B.M., California State University, Northridge

MILLARD, MONICA  
NURSING/ALLIED HEALTH  
B.S., University of California, Santa Barbara;  
A.S., Santa Barbara City College

MILICH, STACY  
BUSINESS EDUCATION  
B.A., California State University, Chico;  
J.D., Santa Clara University School of Law

MINTON, CORAL  
PHYSICAL EDUCATION  
B.A., California State University, Hayward;  
M.A., California Polytechnic State University, San Luis Obispo

MINTZ, LINDA  
HUMAN DEVELOPMENT  
B.A., Sophia University, Japan;  
M.A., Chapman University

MOLONEY, PATRICK  
LIBRARY/LEARNING RESOURCES  
B.A., University of California, Santa Barbara;  
M.L.S., San Jose State University;  
J.D., Peninsula University

MONTAETH, DOUGLAS  
MATHEMATICS  
B.A., University of California, Los Angeles

MORGAN TAMES, BRENDA  
WORKFORCE AND ECONOMIC DEVELOPMENT PROGRAMS  
B.A., California State University, Northridge

MOUGALIAN, CATHERINE  
ENGLISH AS A SECOND LANGUAGE  
B.A., The Colorado College;  
M.A., Monterey Institute of International Studies

MOYE, ANTHONY  
PHYSICAL SCIENCES  
B.A., Upsala College, New Jersey;  
M.A. Ph.D., Iowa State University

MUELLER, STEPHAN  
BIOLOGICAL SCIENCES  
B.S., M.S., California Polytechnic State University, San Luis Obispo

MULHALL, JAMES  
ENGINEERING AND TECHNOLOGY  
A.A., Cuesta College

MURPHY, WILLIAM  
NURSING/ALLIED HEALTH  
B.A., California Polytechnic State University, San Luis Obispo;  
A.S., Allan Hancock College

MURTHA, ROBERT  
ENGLISH  
B.S., Stanford University;  
M.A., University of California, Riverside

MUSOLFF, EDWARD  
PHYSICAL EDUCATION  
B.A., California State University, Fresno;  
M.A., San Diego State University

MYERS, KATHRYN  
NURSING/ALLIED HEALTH/WORKFORCE AND ECONOMIC DEVELOPMENT PROGRAMS  
B.A., Central Michigan University

NAPOLE, MIKE  
PHYSICAL EDUCATION  
B.A., California State University, Chico
M. Nash
FINE ARTS
B.A., M.A., Ph.D., University of North Texas

Katherine Neidhardt
SOCIAL SCIENCES
B.A., M.A., Humboldt State University

David Niebuhr
PHYSICAL SCIENCES
B.S., California Polytechnic State University, San Luis Obispo; Ph.D., Oregon Graduate Institute

Lynn Nordhus
NURSING/ALLIED HEALTH
A.S., Cuesta College

Roche Nystrom
PHYSICAL EDUCATION
B.A., California State University, Fresno

Jennifer O'Brien
PHYSICAL EDUCATION
B.S., California Polytechnic State University, San Luis Obispo; M.A., University of Arizona

Meghan O'Neill
BIOLOGICAL SCIENCES
B.S., M.S., California Polytechnic State University, San Luis Obispo

Alexis Olds
LANGUAGES AND COMMUNICATIONS
B.A., M.A., San Jose State University; Ph.D., University of Utah

Maria Olivares Aranda
LANGUAGES AND COMMUNICATIONS
M.S., University of Chile

Donald Olson
PHYSICAL EDUCATION
B.A., University of La Verne; M.A., University of California, Los Angeles

Norma Ortiz
BUSINESS EDUCATION/LANGUAGES AND COMMUNICATIONS
B.A., Hunter College of the City of New York; M.A., Indiana University Bloomington; M.Ed., University of Arkansas at Fayetteville

Paul Ortton
WORKFORCE AND ECONOMIC DEVELOPMENT PROGRAMS
B.S., M.Ed., University of Illinois

Randolph Page
NURSING/ALLIED HEALTH
B.S., University of Arizona; A.S., Regent's College, Albany, NY

Mary Parker
NURSING/ALLIED HEALTH
B.S., Florida State University; M.S., University of Florida; Ed.D., Brigham Young University

Robert Pelfrey
FINE ARTS
B.A., University of California, Los Angeles; M.A., California State University, Los Angeles

Marta Peluso
FINE ARTS
B.A., Allegheny College, Pennsylvania; M.F.A., University of California, Davis

James Pendergast
WORKFORCE AND ECONOMIC DEVELOPMENT PROGRAMS
B.S., Humboldt State University; M.F.A., San Jose State University

Gary Peters
SOCIAL SCIENCES
B.A., M.A., California Polytechnic State University, San Luis Obispo

Maria Phipps
FINE ARTS
B.A., M.F.A., University of California, Santa Barbara

Kerry Pierce
BIOLOGICAL SCIENCES
B.A., M.A., Florida State University

Joseph Piscotty
WORKFORCE AND ECONOMIC DEVELOPMENT PROGRAMS
B.A., Statue University of New York; M.A., Saint Michael's College, Vermont

David Pomfret
PHYSICAL EDUCATION
B.A., Bucknell University, Pennsylvania; California Polytechnic State University, San Luis Obispo

Stephanie Ponti
NURSING/ALLIED HEALTH
State of California Phlebotomy Certification
PORTUGES, PAUL
ENGLISH
   B.A., University of California, Los Angeles;
   M.A., American Film Institute;
   Ph.D., University of California, Berkeley

POWERS, ROBIN
ACADEMIC SUPPORT/DISABLED STUDENT
PROGRAMS AND SERVICES
   B.S., M.S., Kent State University, Ohio

PRITZLAFF, ROSALIE
WORKFORCE AND ECONOMIC DEVELOPMENT
PROGRAMS
   B.A., San Diego State University;
   M.A., William Carey International University

PRY, DANIEL
PHYSICAL EDUCATION
   B.S., M.S., California Polytechnic State University, San Luis Obispo

PYLE, TRACY
BUSINESS EDUCATION
   B.S., San Diego State University

QUIGLEY, CORRENNE
HUMAN DEVELOPMENT
   A.A., Cuesta College;
   Culinary Arts Academy

RACKLEY, DAVID
PERFORMING ARTS
   B.M., M.A., California State University, San Francisco

RAMEY, MARIE
FINE ARTS
   B.A., M.A., California State University, Stanislaus

RANDELOPH, KAREN
NURSING/ALLIED HEALTH
   A.A., Cuesta College

RAPUANO, MARY ANNE
WORKFORCE AND ECONOMIC DEVELOPMENT
PROGRAMS
   B.S., Southern Connecticut State University;
   M.A., California State University, Northridge

RATHBUN, GUY
LANGUAGES AND COMMUNICATIONS
   A.A., Cuesta College

RAYBOULD RODGERS, JULIA
ENGLISH AS A SECOND LANGUAGE
   B.A., Manchester Polytechnic, England;
   M.A., Bosphorus University, Istanbul

RENNI, MARY
FINE ARTS
   B.A., University of California, Davis

REPPUCI, DONALD
ENGINEERING AND TECHNOLOGY
   B.A., Humboldt State University;
   M.A., Temple University, Philadelphia

RIGGENBACH, KERSTIN
MATHEMATICS
   B.A., California Polytechnic State University, San Luis Obispo

ROBASCIOTTI, KATHRYN
LANGUAGES AND COMMUNICATIONS
   B.S., University of New Mexico

RICHICAUD, TRACI
BUSINESS EDUCATION
   Cuesta College;
   California Polytechnic State University, San Luis Obispo

ROBINSON, MARSHA
ACADEMIC SUPPORT/DISABLED STUDENT
PROGRAMS AND SERVICES
   B.S., M.A., California Polytechnic State University, San Luis Obispo

ROBINSON, PAULA
ACADEMIC SUPPORT/DISABLED STUDENT
PROGRAMS AND SERVICES/FINE ARTS
   B.A., California State University, Fresno;
   M.A., California State University, Dominquez Hills

ROBINSON, ROGER
WORKFORCE AND ECONOMIC DEVELOPMENT
PROGRAMS
   B.S., Mankato State College, Minnesota;
   M.A., California Polytechnic State University, San Luis Obispo

RODRIGUEZ, FRANK
ENGINEERING AND TECHNOLOGY
   Moorpark College;
   University of Southern California;
   Ventura College;
   Cuesta College
ROJAS, XELINA
WORKFORCE AND ECONOMIC DEVELOPMENT PROGRAMS
  B.A., University of Texas;
  M.A., California Polytechnic State University, San Luis Obispo

RONCA, STEPHEN
BUSINESS EDUCATION
  B.A., California Polytechnic State University, San Luis Obispo;
  J.D., Western State University

ROOF, VIRGINIA
HUMAN DEVELOPMENT
  B.A., University of California, Berkeley;
  M.A., University of Illinois, Urbana-Champaign

RUNSTROM, ALISA
LANGUAGES AND COMMUNICATIONS
  B.A., California Polytechnic State University, San Luis Obispo

RUPPERT, III, JOHN
ENGINEERING AND TECHNOLOGY
  B.A., California Polytechnic State University, San Luis Obispo

SACHS, RALPH
MATHEMATICS
  B.S., University of California, Davis

SACHS, SANDY
BIOLOGICAL SCIENCES
  B.A., University of California, Santa Barbara;
  M.A., University of Oregon;
  D.C., Palmer College of Chiropractic, Pennsylvania

SADIG, SAAD
ENGINEERING AND TECHNOLOGY
  B.A., M.A., California Polytechnic State University, San Luis Obispo

SANCHEZ, DAVID
ENGINEERING AND TECHNOLOGY
  B.S., California State University, Fresno;
  M.A., California Polytechnic State University, San Luis Obispo

SANDERS BROWN, TERI
FINE ARTS
  B.A., California State University, Northridge;
  M.A., The Claremont Graduate School

SARBECK, DAVID
WORKFORCE AND ECONOMIC DEVELOPMENT PROGRAMS
  B.S., California Polytechnic State University, San Luis Obispo;
  M.A., Chapman University

SATTERWHITE, ROBERT
MATHEMATICS
  B.S., University of California, Irvine;
  M.A., University of Santa Barbara

SCHIEDERER, RANDY
ENGINEERING AND TECHNOLOGY
  B.A., Northern California Bible College;
  M.A., Fuller Seminary

SCHICKER, LISA
BIOLOGICAL SCIENCES
  B.A., Hiram College, Ohio;
  M.A., North Carolina State University

SCHLANSER, DEBORAH
HUMAN DEVELOPMENT
  B.S., California Polytechnic State University, San Luis Obispo;
  M.S., University of Southern California

SCHMITT, PAUL
PHYSICAL EDUCATION
  B.A., Kutztown University, Pennsylvania;
  M.S., California Polytechnic State University, San Luis Obispo

SCHNOOR, GAIL
LANGUAGES AND COMMUNICATIONS
  B.A., M.A., California State University, Los Angeles

SCHOLL, SUSAN
BUSINESS EDUCATION
  B.A., University of Wisconsin-Stout

SCHROEDER, FERDIE
PHYSICAL SCIENCES
  B.S., University of California, Berkley;
  M.A., San Francisco State University;
  Ph.D., McMaster University, Hamilton, ON Canada

SCHUBERT, JILL
BUSINESS EDUCATION
  B.A., University of California, Santa Cruz;
  M.A., Claremont Graduate University

SCHULER, PETER
PHYSICAL EDUCATION
  B.A., Pepperdine University

SCHULTZ, LAURA
NURSING/ALLIED HEALTH
  A.S., Cuesta College;
  B.A., California Polytechnic State University, San Luis Obispo

SCHWIND, WENDY
WORKFORCE AND ECONOMIC DEVELOPMENT PROGRAMS
  B.A., Biola University

SCOTT, DAVID
FINE ARTS
  A.A., San Bernardino Valley College

SCOTT, PATRICK
SOCIAL SCIENCES
  B.A., University of Idaho;
  M.A., Ph.D., University of Chicago
SCOVIL, TRACY
ENGLISH
  B.S., California Polytechnic State University, San Luis Obispo;
  B.A., California State University;
  M.A., University of Dayton, Ohio

SEILER, NANCY
ENGLISH AS A SECOND LANGUAGE
  B.A., California Polytechnic State University, San Luis Obispo;
  M.A., School for International Training

SHAW, SAUNDERS
FINE ARTS
  B.A., Chapman College;
  M.F.A., California College of Arts and History

SHERR, ELAINE
ENGLISH
  B.S., Southwest Missouri State University;
  M.A., California Polytechnic State University, San Luis Obispo

SHORT, RICHARD
NURSING/ALLIED HEALTH
  University of Kentucky;
  American River College

SIMOES, PRISCILLA
BUSINESS EDUCATION
  B.S., University of San Francisco;
  M.S., Golden Gate University

SIMONEAU, PATRICK
NURSING/ALLIED HEALTH
  A.S., Cuesta College

SIMS, MARK
ENGINEERING AND TECHNOLOGY
  Pennsylvania State University College of Engineering

SINE, ELIZABETH
SOCIAL SCIENCES
  B.A., University of California, Santa Barbara;
  M.A., Pepperdine University, Malibu

SMITH, ELEANOR
NURSING/ALLIED HEALTH
  B.S.N., California State University, San Bernardino

SMITH SCRUGGS, JUDY
MATHEMATICS
  B.A., M.A., San Diego State University

SOLIS, YOLANDA
LANGUAGES AND COMMUNICATIONS
  B.A., California Polytechnic State University, San Luis Obispo;
  M.A., University of California, Santa Barbara

SOUTHERN, SUSAN
PHYSICAL EDUCATION
  B.A., California Institute of the Arts

SPADA, JENNIFER
WORKFORCE AND ECONOMIC DEVELOPMENT PROGRAMS
  B.A., California State University, San Jose

SPEIDEL, MARY
LEARNING RESOURCES
  B.S., California Polytechnic State University, San Luis Obispo;
  M.S., University of Pittsburgh

ST. JOHN, LESLIE
ENGLISH
  B.A., University of Arkansas;
  M.A., Purdue University, Lafayette, IN

STANFORD, EVELYN
SOCIAL SCIENCES
  B.A., Ohio State University;
  M.A., San Jose State University

STEIN, JEFF
WORKFORCE DEVELOPMENT PROJECTS
  B.A., B.S.M.A., California State University, Northridge

STEINBERG, ELIZABETH
HUMAN DEVELOPMENT
  B.S., University of Wisconsin, Madison

STEINER, LYNN
ENGLISH
  B.S., University of Wisconsin, Madison;
  M.A., Northeastern Illinois University

STERN, STANLEY
WORKFORCE AND ECONOMIC DEVELOPMENT PROGRAMS
  B.A., M.F.A., Brooklyn College, New York;
  Ph.D., University of California, Los Angeles

STORK, GIL
MATHEMATICS
  B.A., M.A., California Polytechnic State University, San Luis Obispo;
  Ed.D., Brigham Young University, Utah

STROUD, WILLIAM
ENGINEERING AND TECHNOLOGY
  B.S., California Polytechnic State University, San Luis Obispo

STURAS, JONAS
ENGINEERING AND TECHNOLOGY
  B.A., M.A., Kent State University, Ohio

SUTCLIFFE, LESLIE
FINE ARTS
  B.A., University of California, Irvine;
  M.A., California State University, Fullerton
SWEARINGEN, DON  
ENGINEERING AND TECHNOLOGY  
B.A., Oklahoma State University, Oklahoma City;  
M.A., University of Illinois at Urbana - Champaign

SWEARINGEN, INGA  
PERFORMING ARTS  
B.A., California Polytechnic State University, San Luis Obispo;  
M.M.P., Florida State University

SWIFT, CARLA  
LANGUAGES AND COMMUNICATIONS  
B.A., M.A., California State University, Northridge

TARANTINO, CASSANDRA  
PERFORMING ARTS  
B.A., Westmont College;  
M.M., California State University, Northridge

TARICA, RON  
WORKFORCE AND ECONOMIC DEVELOPMENT PROGRAMS  
B.S., Illinois Institute of Technology;  
M.S., Ph.D., Northwestern University, Illinois

THEUMER, KATHRIN  
LANGUAGES AND COMMUNICATIONS  
B.A., California Polytechnic State University, San Luis Obispo;  
M.A., University of Nevada

THOMPSON, CHRISTOPHER  
PHYSICAL EDUCATION  
B.A., University of California, Davis;  
M.A., University of San Francisco

TIBSTRA, ROBERT  
BIOLOGICAL SCIENCES  
B.A., M.A., California State University, Fresno

TICE, KIRK  
WORKFORCE AND ECONOMIC DEVELOPMENT PROGRAMS  
B.A., California State University, Long Beach

TONE, BOBBI  
HUMAN DEVELOPMENT  
A.A., Cuyahoga College, Cleveland, OH;  
A.S., Cuesta College

VALLE, PHILIP  
PERFORMING ARTS  
B.A., University of Wisconsin;  
M.A., Arizona State University

VAN FLEET, JUDY  
MATHEMATICS  
B.A., M.A., California Polytechnic State University, San Luis Obispo

VAN MEEL, LESLIE ANNE  
WORKFORCE AND ECONOMIC DEVELOPMENT PROGRAMS  
B.A., California Polytechnic State University, San Luis Obispo;  
A.A., Cuesta College;  
A.A., Heald College School of Business

VANDERZWAAW, CRAIG  
NURSING/ALLIED HEALTH  
California Polytechnic State University, San Luis Obispo

VASQUES, JULIE  
WORKFORCE AND ECONOMIC DEVELOPMENT PROGRAMS  
B.A., Sonoma State University;  
M.S., San Francisco State University

VICKREY, WALT  
WORKFORCE AND ECONOMIC DEVELOPMENT PROGRAMS  
A.A., San Joaquin Delta College;  
B.A., Bellevue University

VINKE, DAVID  
WORKFORCE AND ECONOMIC DEVELOPMENT PROGRAMS  
B.A., California State University, San Bernardino

VOELKER, KURT  
BUSINESS EDUCATION  
B.A., California State University, Bakersfield;  
M.A., California Polytechnic State University, San Luis Obispo

VOLLE, DONALD  
MATHEMATICS  
B.A., Westmont College

VOSS, DARRELL  
PERFORMING ARTS  
B.A., California Polytechnic State University, San Luis Obispo

WAGONER, WENDY  
LANGUAGES AND COMMUNICATIONS  
B.A., California State University, San Luis Obispo

WALLACE, JAMES  
BUSINESS EDUCATION  
B.S., California Polytechnic State University, San Luis Obispo

WADICK, JOSEPH  
PHYSICAL EDUCATION  
A.A., Cabrillo College;  
B.A., M.P.H., San Jose State University

WALTERS, III, WILLIAM  
ENGLISH  
B.A., Auburn University, Alabama;  
M.A., California Polytechnic State University, San Luis Obispo
WARD, JANIS
LANGUAGES AND COMMUNICATIONS
B.S., B.A., M.A., California Polytechnic State University, San Luis Obispo;
J.D., Santa Barbara College of Law

WARD, KEN
PHYSICAL SCIENCES
B.S., M.A., M.S., California Polytechnic State University, San Luis Obispo

WAY, THOMAS
NURSING/ALLIED HEALTH
Mt. San Antonio College

WEARE, HEATHER
WORKFORCE AND ECONOMIC DEVELOPMENT PROGRAMS
B.A., University of South Carolina at Spartanburg;
M.A., California Polytechnic State University, San Luis Obispo;
J.D., Santa Clara University School of Law

WEST, BROOKE
WORKFORCE AND ECONOMIC DEVELOPMENT PROGRAMS
B.S., California Polytechnic State University, San Luis Obispo

WEYEL, CAROLYN
STUDENT DEVELOPMENT AND ACTIVITIES
B.A., M.A., California Polytechnic State University, San Luis Obispo

WHALEN, TOM
WORKFORCE AND ECONOMIC DEVELOPMENT PROGRAMS
B.A., University of California, Berkeley

WHITTEN, MARA
WORKFORCE AND ECONOMIC DEVELOPMENT PROGRAMS
B.S., California Polytechnic State University;
A.A., Cuesta

WIEBE, SARAH
ENGLISH
B.A., M.A., University of California, Fresno

WILLIAMS, DENNIS
BUSINESS EDUCATION
B.A., California State University, Fullerton;
M.B.A., California State University, Stanislaus;
D.B.A., Golden Gate University, San Francisco

WILLIAMS, KATHLEEN
HUMAN DEVELOPMENT
B.S., California Polytechnic State University

WILSHUSEN, CYNTHIA
BUSINESS EDUCATION
A.S., Cuesta College;
B.A., California Polytechnic State University, San Luis Obispo;
M.A., University of Phoenix

WILSON, BILL
ENGINEERING AND TECHNOLOGY
B.A., California State University, Chico

WILSON, CYNTHIA
ENGLISH AS A SECOND LANGUAGE
B.A., California Polytechnic State University, San Luis Obispo

WILSON, JONATHAN
SOCIAL SCIENCES
B.S., M.S., Illinois State University

WILSON, ROBERT
PHYSICAL EDUCATION
B.A., California State University, Fresno;
M.A., California Polytechnic State University, San Luis Obispo

WIMER, KEITH
ACADEMIC SUPPORT/DISABLES STUDENT PROGRAMS AND SERVICES
B.A., Fresno State University;
M.A., California Polytechnic State University, San Luis Obispo

WINDSOR, ALOHA
ENGLISH
B.A., University of Arizona;
M.A., University of Hawaii at Manoa;
M.A., University of California, Santa Barbara

WISHART, PAULINE
SOCIAL SCIENCES
B.A., California State University, Sacramento;
M.A., University of California, Santa Barbara

WOLF, ANNE
HUMAN DEVELOPMENT
B.A., California Polytechnic State University, San Luis Obispo

WOODS, ANNE
MATHEMATICS
B.A., M.A., University of North Dakota

WOODSON, BONNIE
BUSINESS EDUCATION
B.A., University of the Redlands;
M.A., California Polytechnic State University, San Luis Obispo;
Ph.D., Pepperdine University

WULFECK, DAVID
FINE ARTS
B.A. California State University, Northridge
WULFECK, SUSAN
FINE ARTS
B.F.A., University of Illinois at Urbana - Champaign; M.F.A., University of California, Los Angeles

YIN, MARGARIDA
ENGINEERING AND TECHNOLOGY
B.A., University of Mackenzie, Brazil; M.A., University of California, Berkeley

YOUNG, SHERILYN
HUMAN DEVELOPMENT
B.A., University of California, Santa Barbara; M.A., Antioch University, Santa Barbara

ZANOLI, HELEN
ENGINEERING AND TECHNOLOGY
B.A., California Polytechnic State University, San Luis Obispo

ZEBE, BONNIE
ACADEMIC SUPPORT/DISABLED STUDENT PROGRAMS AND SERVICES
B.A., Southern Oregon State College; M.A., California Polytechnic State University, San Luis Obispo

ZEBE, ERIC
ENGINEERING AND TECHNOLOGY
Cuesta College

DOMINGUEZ, ISRAEL (2007)
SMALL BUSINESS DEVELOPMENT CENTER
B.S., California Polytechnic State University, San Luis Obispo; M.B.A., University of La Verne, San Luis Obispo

FONTANILLA, LINDA (2008)
ASSISTANT SUPERINTENDENT/VICE-PRESIDENT OF STUDENT SERVICES
B.S., California State University; M.S., California School of Professional Psychology; Ed.D., University of La Verne

GREINER, CATHLEEN (2008)
ASSISTANT SUPERINTENDENT/VICE-PRESIDENT OF STUDENT LEARNING
B.S., Oregon State University; M.A., Jesuit School of Theology; M.S., University of Oregon; Ph.D., Claremont Graduate University

GREEN, CHRISTOPHER (2002)
DIRECTOR, FISCAL SERVICES
B.S., California Polytechnic State University; San Luis Obispo

GREEN, MATTHEW (2002)
DIRECTOR, WORKFORCE ECONOMIC DEVELOPMENT PROGRAMS
B.A., University of California Santa Barbara; M.A., University of California Davis

GUNSAULUS, STEPHAN (2007)
DIRECTOR, MARKETING AND COMMUNICATION
A.A., Cuesta College

HODGSON, DEVON (2008)
DIRECTOR, PROFESSIONAL DEVELOPMENT
B.S., California Polytechnic State University, San Luis Obispo; M.A., University of San Diego

HOUSE, JANICE (1990)
DIRECTOR, COMPUTER SERVICES
B.S., California Polytechnic State University, San Luis Obispo

LORIA, ANNETTE (2006)
EXECUTIVE DIRECTOR HUMAN RESOURCES AND LABOR RELATIONS
B.A., M.A., California Polytechnic State University – Pomona

MADULI, EDRALIN (2001)
ASSISTANT SUPERINTENDENT/ VICE-PRESIDENT OF ADMINISTRATIVE SERVICES
B.S., California Polytechnic State University, San Luis Obispo; M.S., University of Oklahoma; M.B.A., Golden Gate University

MAKI, MARK (2008)
DIRECTOR, PUBLIC SAFETY
B.S., University of San Francisco
MARIUCCI, ROBERT (2001)
DIRECTOR, ATHLETICS
B.S., M.A., Northern Michigan University

MCLAUGHLIN, SANDEE (1986)
EXECUTIVE DEAN, NORTH COUNTY CAMPUS AND SOUTH COUNTY CENTERS
B.A., University of California, Santa Barbara;
M.S., California Polytechnic State University, San Luis Obispo

MUNOZ, CANDERARIO (1989)
DIRECTOR, COUNSELING SERVICES
B.A., Loyola University;
M.A., Loyola Marymount University

PELHAM, DAVID (2008)
SUPERINTENDENT/ PRESIDENT
B.A., Carson Newman College, Florida;
M.A., Wayne State University, Illinois;
Ed.D., University of North Florida

RALSTON, PAMELA (2008)
DEAN OF STUDENT LEARNING, HUMANITIES
B.A., University of Oregon;
M.A., University of Washington;
Ph.D., University of Washington

REECE, TERRY (2001)
DIRECTOR, MAINTENANCE OPERATIONS AND GROUNDS
A.A., Cuesta College

SCHWAB, PATRICK (2004)
DIRECTOR ACADEMIC SUPPORT/DSPS
B.S., Portland State University, Oregon;
M.A., California State University, Los Angeles;
Ed.D., Oregon State University

SOMMER, TONI (1998)
DEAN OF STUDENT LEARNING
WORKFORCE AND ECONOMIC DEVELOPMENT
B.A., University of Hawaii, Honolulu;
M.B.A., Chaminade University of Honolulu, Hawaii

STENGEL, MARK (2008)
DIRECTOR, LIBRARY AND LEARNING RESOURCES
B.A., Luther College;
M.A., Washington State University;
M.S., Illinois State University

STEPHENS, JUNE (2005)
EXECUTIVE DIRECTOR, FOUNDATION/
INSTITUTIONAL ADVANCEMENT
B.S., M.A., University of Redlands

URQUHART TACKET, KAREN (2004)
DIRECTOR, FOUNDATION PROGRAMS
B.S., M.S., California Polytechnic State University, San Luis Obispo

WILWAND, MARK (2008)
DIRECTOR, FACILITIES PLANNING AND CONSTRUCTION
B.S., California Polytechnic State University, San Luis Obispo

WULFF, DEBORAH (2008)
DEAN OF STUDENT LEARNING, MATH, PHYSICAL SCIENCES, NURSING/ALLIED HEALTH, PHYSICAL EDUCATION/ATHLETICS
B.A., San Diego State University;
M.A., United States International University

ZARYCKA, MARYANNE (1999)
DIRECTOR, GENERAL SERVICES
A.A., Cuesta College;
B.A., Columbia College
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