

CUESTA COLLEGE

2008-2009

CATALOG

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.

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SAN LUIS OBISPO CAMPUS

**P.O. Box 8106
San Luis Obispo, CA 93403-8106
(805) 546-3100**

NORTH COUNTY CAMPUS

**2800 Buena Vista Dr.
Paso Robles, CA 93446
(805) 591-6210**

SOUTH COUNTYCENTER at Arroyo Grande High School

**Office in Room 913
Corner of Orchard St. and W. Cherry Ave.
Arroyo Grande, CA 93420
(805) 474-3913**

CUESTA COLLEGE

**on the campus of
Nipomo High School
525 N. Thompson Rd.
Nipomo, CA 93444
(805) 474-3913**



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 9 5403 (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

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 y tratamos a todos de manera respetuosa permitiendo a nuestros estudiantes que reconozcan sus habilidades, 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.

On April 16, 1963, San Luis Obispo County voters approved the formation of a countywide junior college district, serving seven public high school districts. The newly-formed San Luis Obispo County Junior College District served the Arroyo Grande Union High School District, Atascadero Union High School District, Coast Joint Union High School District, Paso Robles Joint Union High School District, San Luis Obispo Union High School District, Shandon Joint Union School District and Templeton Union High School District.

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.

Durante el año académico 1964-65, el Distrito del Colegio Universitario de San Luis Obispo ofreció un programa nocturno con 463 estudiantes inscritos en el semestre del otoño y 696 en el de la primavera. La sede temporaria fue establecida en el Campamento de San Luis Obispo, la Guardia Nacional de California, localizada entre San Luis Obispo y Morro Bay. Esta sede modesta sirvió a 917 estudiantes diurnos y 991 estudiantes nocturnos durante el semestre del otoño de 1965. Además, se ofrecieron clases nocturnas en Arroyo Grande, Atascadero y Paso Robles, El 4 de octubre de 1965, el Patronato del Distrito del Colegio Universitario nombró a la universidad nueva "Cuesta College." En 1971, el colegio universitario fue renombrado "universidad comunitaria."

En 1970, se inició la construcción de los edificios permanentes, sobre un área 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.

La historia de Cuesta College se remonta a los finales del año de 1960. Es una historia de enseñanza en diferentes sitios educacionales. Durante muchos años, Cuesta ha provisto educación en Cambria, Atascadero, Paso Robles, Templeton, Arroyo Grande, y Nipomo.

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.

Los Centros del Condado Sur proveen educación nocturna en la Escuela Secundaria de Arroyo Grande y Nipomo, en colaboración con el Distrito Escolar de Lucia Mar. Durante la primavera del 2008, mas de 800 estudiantes nocturnos recibieron educación en estas localidades.

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 provide them the necessary services for optimizing their opportunities for success, and to help students obtain the appropriate information/assistance for achieving their educational goals.

CONTRACT WITH CUESTA COLLEGE

The responsibilities of Cuesta College under this agreement will entail providing matriculation services which shall include:

- The processing of applications for admission in a timely manner;
- Pre-orientation and orientation services designed to provide, on a timely basis, needed information about instructional programs, course prerequisites, student services, college regulations, and student rights and responsibilities;
- Assessment of students with California Community College Chancellor-approved tests to determine student competency in computational and language skills; to assist where possible in identification of aptitudes, interests, educational objectives; and evaluate study and learning skills;
- Counseling and advising to assist students in interpreting test results and in developing and updating their educational plans through the Student Educational Plan (SEP) process;
- A follow-up system to detect and inform students of early signs of academic difficulty and to monitor the academic progress of each student;
- Referral of students to: (a) support services which may be available, including but not limited to, counseling/advising, financial aid, campus employment/placement services and Extended Opportunity Programs and Services (EOPS); and (b) specialized curriculum offerings including, but not limited to, pre-collegiate basic skills courses and programs in English as a Second Language (ESL);
- Ensuring that all prerequisite courses are valid and necessary for student success [California Education Code Title 5, Section 58106(e)] and ensuring the right of each student to enroll in courses for which he or she can meet necessary and valid prerequisite courses [California Education Code Title 5, Section 55530(a)].

The student's responsibilities under this agreement include:

- The expression of at least a broad educational intent upon enrollment;

- 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.

El estudiante que falsifica información en los documentos o formas de admisión de Cuesta College, sera expulsado de sus clases.

Failure of a student to abide by the responsibilities outlined above may result in the district suspending or terminating any or all of the college services outlined above [California Education Code Title 5, Section 55530(d)].

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 with a high school diploma;
- any person 18 years of age or over who does not hold a high school diploma or a high school equivalent diploma;
- students who have passed the California State Proficiency Exam or equivalent. A copy of the certification is required if under 18;
- transfer students from colleges, universities, and other post-secondary programs;
- 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;
- minors currently enrolled in K-12, who in the opinion of their school principal, would benefit from concurrent enrollment in "advanced scholastic" or "vocational" coursework at Cuesta College. A Cuesta College Permit to Enroll with specific courses identified and approved by the school principal, along with parents' signature is required prior to registration.

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.

INGLES COMO SEGUNDO IDIOMA

Cuesta College ofrece cursos que le prepararán para cursar diversos campos de estudios. También, para aquellas personas que necesitan aprender el inglés, se ofrecen clases de inglés en las que se le da énfasis a la fonética, a la conversación, al vocabulario, a la lectura y a la gramática. Asimismo, se ofrecen exámenes de asesoramiento para determinar el nivel de conocimiento del idioma a las personas interesadas en tomar cursos de inglés como segundo idioma. Vea la sección "Inglés como Segundo Idioma" para una descripción de las clases en el catálogo de clases. Además de estos cursos se le ofrece asistencia voluntaria en el Laboratorio de Idiomas y en el Learning Skills Center, donde pueden adquirir conocimientos básicos del idioma y de la cultura de los Estados Unidos, valiéndose de algunos de los métodos más modernos en la enseñanza. Para más información sobre estas clases puede comunicarse con el profesorado de Inglés como Segundo Idioma al teléfono (805) 546-3941 o al 546-3123.

Residencia

Un estudiante es residente si ha vivido por más de un año en California y considera el estado de California su estado legal. El estudiante que no ha vivido en California por más de un año se clasifica como no-residente y será responsable por pagar la cuota de no-residentes al matricularse.

Ciertos estudiantes califican para una exención de la cuota de no residentes:

- *Los empleados de tiempo completo de una escuela pública de California que necesitan complementar sus credenciales.*
- *Los trabajadores que se dedican a labores agrícolas estacionales por un mínimo de dos meses durante dos años consecutivos.*
- *Los empleados de tiempo completo, sus cónyuges, o los dependientes del empleado de tiempo completo de una universidad comunitaria de California, Universidad del Estado de California, Universidad de California, o Academia Marítima.*
- *Aquellos estudiantes que han completado por lo menos 3 años de escuela secundaria en California y que se han graduado de una escuela secundaria en California.*

La matrícula para el semestre del otoño se abre a finales de junio, y la del semestre de la primavera se lleva a cabo entre semestres (véase el calendario en la primera parte de este catálogo). Usted necesita completar la solicitud de admisión si va a asistir a Cuesta College por primera vez o si ha faltado dos semestres o más. La solicitud de admisión se encuentra disponible en el internet al www.cccapply.org, o en la forma impresa en las Oficinas de Admisiones de todos los centros de Cuesta College.

Favor comunicarse con la Oficina de Admisiones de Cuesta College para más información.

WHO NEEDS TO APPLY?

New first-time college students:

Students who have never attended Cuesta College must submit an admission application. Students wishing to enroll in special programs may have additional admission requirements to be completed prior to registering.

Former students:

Students who have attended Cuesta College in the past and have been absent two or more semesters must submit an application for admission.

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 is 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

the additional Paramedic Program admission criteria will be eligible for admission to the Paramedic Program. Prerequisite course work must be complete at the time of application. Students are admitted once a year to the program that begins in the fall.

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, P.O. 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 Ingles 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 mas información, comuníquese con la oficina de Ingles 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, South County 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:

Liasons 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 \$7.50 per summer session
Motorcycles, mopeds	\$5 per semester \$2.50 per summer session
Each additional vehicle	\$5 per semester \$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 Supplementary 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 nonrefundable 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/admreg/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.

RESTRICTING 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. The 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 student 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.

SERVICES

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 credits will be posted to the Cuesta College student record. Applications for the associate degree and transfer certification are available in the Admissions and Records Office.

GRADING POLICIES

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:

A	Excellent
A-	
B+	
B	Good
B-	
C+	
C	Average
D+	Less than satisfactory
D	
D-	
F	Failing

P	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.
NP	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.
I	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.
RD	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.”
MW	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.

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 notated 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 standard 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

SERVICES

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 shall be removed from probation when the percentage of credits in this category drops below 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 that identifies 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) A student enrolled for four or more credits summer session
Part-time:	A student enrolled in less than 12 credits (Fall, Spring semester) A student enrolled in less than four 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.

ADDING COURSES

Students must add classes by the end of the second week of instruction for regular semester courses or by the second class meeting for short courses and summer session courses. Once instruction begins, instructor approval is required. Necessary instructor-arranged course transfers will be allowed beyond the normal deadline for adding. In order to officially add a course, the student may add using web registration or submit 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 upon 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 a

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 once grades are processed for 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. 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 student who has completed 30 credits of remedial course work, but who has not attained full eligibility for college-level work, shall be dismissed from the college and referred to non-credit education courses unless a waiver has been granted.

Remedial course work refers to pre-collegiate basic skills courses designated as non-degree credit courses, the purpose of which is to prepare students for successful completion of associate degrees, transfer, or certificate courses. These courses are specifically designed to meet the needs of underprepared students so that the quality and rigor of the associate degree curriculum is protected.

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 is 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.

In so providing, the San Luis Obispo County Community College District hereby implements the provisions of California Government Code sections 11135 through 11139.5, the Sex Equity in Education Act (Ed. Code, § 66250 et seq.), Title VI of the Civil Rights Act of 1964 (42 U.S.C. § 2000d), Title IX of the Education Amendments of 1972 (20 U.S.C. § 1681), Section 504 of the Rehabilitation Act of 1973 (29 U.S.C. § 794), the Americans with Disabilities Act of 1990 (42 U.S.C. § 12101 et seq.) and the Age Discrimination Act (42 U.S.C. § 6101). 4

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.

Authority: 20 U.S.C. § 1681 et seq.; 34 C.F.R. § 106; Cal. Code Regs., Title 5, § 59300 et seq.; Revised Sexual Harassment Guidance: Harassment of Students by School Employees, Other Students, or Third Parties, Title IX, Office for Civil Rights, January 19, 2001.

Authority: Cal. Code Regs., Title 5, § 59300; Gov. Code, §§ 11135-11139.5; Ed. Code, § 66250 et seq.; 42 U.S.C. § 2000d; 20 U.S.C. § 1681; 29 U.S.C. § 794; 42 U.S.C. § 12100 et seq.; 42 U.S.C. § 6101.

Academic Freedom

The San Luis Obispo County Community College District Board of Trustees reaffirms its commitment to academic freedom, but recognizes that academic freedom does not allow any form of unlawful discrimination. It is recognized that an essential function of education is a probing of opinions and an exploration of ideas that may cause discomfort to some students. It is further recognized that academic freedom insures the faculty's right to teach and the student's right to learn. Finally, nothing in these policies and procedures shall be interpreted to prohibit bona fide academic requirements for a specific community college program, course or activity.

When investigating unlawful discrimination complaints containing issues of academic freedom, the San Luis Obispo County Community College District will consult with a faculty member appointed by the Academic Senate with respect to contemporary practices and standards for course content and delivery.

Reference: Cohen v. San Bernardino Valley College (1995) 883 F.Supp. 1407, 1412-1414, *affd.* in part and *revd.* in part on other grounds, (1996) 92 F.3d 968; Cal. Code Regs., Title 5, § 59302.

SEXUAL HARASSMENT 1575

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, verbal or physical conduct or communications constituting sexual harassment. Employees, students, or other persons acting on behalf of the District who engage in sexual harassment as defined in this policy or by state or federal law shall be subject to discipline, up to and including discharge, expulsion, or termination of contract.

Authority: Cal. Code Regs., Title 5, § 59326; Ed. Code, § 66281.5; 20 U.S.C. § 1681 et seq.

Retaliation

It is unlawful for anyone to retaliate against someone who files a sexual harassment or other 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.

Authority: 20 U.S.C. § 1681 et seq.; 34 C.F.R. § 106; Cal. Code

Regs., Title 5, § 59300 et seq.; 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: 3/4/92)

(Revised: 12/6/00, 10/3/01, 3/5/03)

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 unwelcomed.
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 of the alleged unlawful discrimination or 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;
3. Grass-slope on north side of High Tech Center.

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 own 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 drugs or alcohol 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, then 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 initial meeting at which the complaint is discussed.

*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", "Ssig 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. **Ssig 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 parvovirus. 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.)¹

¹ Due to formatting issues above noted form is not attached to this Board Policy but may be found at <http://academic.cuesta.org/president/BP/BP7000/7985.doc>

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. § 130 (b)(7).)
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 that 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/regulation 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/regulation to students and employees.

6. Enforcement of this policy/regulation 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/or 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/as/0workshop.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

Tutorial Center in Building N4000 room N4002. Peer tutors are faculty recommended, have received a B or better in the courses they tutor, are paid 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.

For additional information, visit <http://academic.cuesta.edu/acasupp/tutor/index.htm>

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 used 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 (JOB PLACEMENT CENTER)

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 negotiate campus facilities independently or with the assistance of one's own attendant; and
- The ability to take care of personal needs unassisted or to provide 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/acasupp/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.
 - have a total family income within the income standards listed below or, if a dependent student, a parent's total income falls within these standards:

Family Income Standards for 2008-2009:

Number in household	Total family income 2007* (including yourself) (adjusted gross income and/ or untaxed income)
1	\$15,315 or less
2	\$20,537 or less
3	\$25,755 or less
4	\$30,975 or less

* 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, 93403, (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) 591-6200, 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:

SEASON	MEN	WOMEN
Fall	Cross Country Water Polo Wrestling	Cross Country Water Polo Volleyball Soccer
SEASON	MEN	WOMEN
Fall/Spring	Basketball	Basketball
Spring	Baseball Swimming & Diving Track & Field	Softball Swimming & Diving Track & Field Tennis

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

- UC Merced
- UC San Diego
- CSU Monterey Bay
- CSU Northridge
- CSU San Francisco
- CSU San Jose
- CSU Fullerton
- Cal Poly Pomona
- Sonoma State University
- Columbia College
- Chapman University
- University of La Verne
- University of Maine (Library Information Technology)
- National University

Filing Dates for Transfer Students

Students should check with the Transfer/Career Center for information regarding application deadlines for transfer to UC, CSU or independent colleges and universities or see www.csumentor.edu; www.universityofcalifornia.edu/pathways; www.aiccountor.org.

Career Services

Career services are available to assist students in exploring and clarifying their career goals, researching occupational fields, and making their educational plans accordingly. Students may make arrangements with a career counselor to complete online assessments of their interests and personality, use 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 Couns 254, Career Exploration, and/or Couns 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 CSUMentor 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 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.ess.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

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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-Ann 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 Planter.

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

semester 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, cultures, 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 bases 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:

Anthropology

- 202 Archaeology (3)
- 203 Cultural Anthropology (3)
- 225 Contemporary Culture of the World (3)

Early Childhood Education

- 201 Child Growth and Development (3)

Economics

- 201A Principles of Economics (3)
- 201B Principles of Economics (3)

Family Studies

- 212 Human Development Life Span (3)
- 214 Marriage and Family Relations (3)
- 215 Developmental Patterns of Women (3)
- 270 Introduction to Addiction Studies: Addiction and the Community (3)

Geography

- 201 Physical Geography (3)
- 202 Cultural Geography (3)

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 United States (3)
- 207B History of the United States (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)
- 233 Afro-American History (3)
- 235 The History of African Civilization (3)
- 237 History of American Women (3)
- 239 The History of the Role of Women (3)

Legal

- 217 Introduction to Law (3)

Political Science

- 201 Introduction to Political Science (3)
- 202 Government and Politics of the United States (3)
- 204 World Politics (3)
- 205 Law and Politics (3)
- 206 Comparative Government (3)
- 209 Introduction to Political Theory (3)

Psychology

- 201 Introductory Psychology (3)
- 206 Introduction to Social Psychology (3)
- 233 Personality and Adjustment (3)

Sociology

- 201A Introduction to Sociology (3)
- 201B Social Institutions (3)
- 206 Minority Group Relations (3)
- 208 Introduction to Women's Studies (3)

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:

American Sign Language

- 215A Beginning American Sign Language (3)
- 215B American Sign Language II (3)
- 215C American Sign Language III (3)
- 215D American Sign Language IV (3)

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)
- 240 Introduction to Print Media (2-3)
- 270 3-Dimensional Design (2-3)
- 271 Beginning Sculpture (2-3)
- 280 Ceramics (2-3)

Drama

- 201A Principles of Acting (3)
- 205 Introduction to Dramatic Literature (3)
- 206 Theater Appreciation (3)
- 207 Introduction to the Theatre (3)

English

- 201B English Composition: Introduction to Literature (3)
- 205 Introduction to Poetry (3)
- 206 Introduction to the Novel (3)
- 207 Introduction to the Short Story (3)
- 212A American Literature (3)
- 212B American Literature (3)
- 213 Multicultural Voices in American Literature (3)
- 215 Shakespeare (3)
- 216 Literature and Film (3)
- 217 Literature by Women (3)
- 231 Creative Writing (3)
- 244A European Literature (3)
- 244B European Literature (3)
- 246A Survey of British Literature (3)
- 246B Survey of British Literature (3)

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)

AREA D1: COMMUNICATIONS IN ENGLISH

After successfully completing courses in this category, students will write or orally deliver effective expository and argumentative discourse with a focus on inquiry as well as persuasion. Students will be able to read and listen critically in order to comprehend and communicate their understanding of the central ideas and rhetorical techniques in the assigned texts. They also will be able to demonstrate an ethical use of various rhetorical techniques in their written and/or spoken work.

Select from the following fulfillment alternatives:

Alternative 1

English

- 156 College Reading and Writing (4)
 165 Basic Technical Communication (4)

OR

Alternative 2

Fulfill the English competency* requirement through assessment and complete one of the following:

English

- 210 Technical Writing and Oral Communications (4)
 201A English Composition (4)
 201C English Composition: Critical Thinking (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:

Computer Information Systems

- 201 Introduction to Computer Science (3)
 213 Beginning Basic Programming (3)
 217 "C" Programming Language (3)
 231 Fundamentals of computer Science I (4)

Electronics Technology

- 216 Digital Circuits (4)

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

interpretative 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.

Certificate of Specialization

Cuesta College shall grant a Certificate of Specialization to those students who have satisfactorily completed the requirements with a minimum grade of "C" for a specific course or courses in a specialized area of study and apply for the certificate.

Certificate of Achievement

Cuesta College shall grant a Certificate of Achievement to those students who have satisfactorily completed the requirements in a specialized area of study.

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/ CERTIFICATES

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.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

A.A. – ASSOCIATE IN ARTS

A.S. – ASSOCIATE IN SCIENCE

C.A. – CERT. OF ACHIEVEMENT

C.S. – CERT. OF SPECIALIZATION

Electronics and Computer Technology

- A.S. Computer and Networking Technology
- C.S. Computer and Network Maintenance
- C.S. Computer Repair
- A.S. Electro Mechanical Technology
- C.S. Electro Mechanical Technician
- A.S. Electrical Technology
- C.A. Electrical Technology
- A.S. Electronics Technology
- C.A. Electronics Technology
- C.S. Electronics Automation Technology
- C.S. Power and Instrumentation Certificate

Emergency Medical Services

- C.A. Paramedic
- C.S. Emergency Medical Services
- C.S. Emergency Medical Services Hazardous Materials First Responder Operational
- C.S. Emergency Medical Services Technician Refresher
- C.S. Emergency Services

Engineering

- A.S. Engineering
- C.A. Computer Aided Design/Drafting (CAD)
- C.S. AutoCAD – Level I
- C.S. AutoCAD – Level I and Engineering Drawing
- C.S. AutoCAD – Level II/ Inventor

English

- A.A. English

English as a Second Language

- C.A. English as a Second Language, Intermediate
- C.A. English as a Second Language, Advanced

Facilities

- A.S. Facilities Technology Management
- C.S. Facilities Technology

Family Studies/Human Services

- A.A. Family Studies/Human Services

Fashion Design and Merchandising

- A.A. Fashion Design
- C.A. Fashion Design
- A.A. Fashion Merchandising
- C.A. Fashion Merchandising

Geology

- A.S. Geology

History

- A.A. History

Hospitality

- A.S. Hospitality
- C.A. Hospitality

Interior Design

- A.A. Interior Design
- C.A. Interior Design

International Studies

- A.A. International Studies

Journalism

- A.A. Journalism

Liberal Arts–Areas of Emphasis

- A.A. Liberal Arts: Arts, Humanities, and Communications
- A.S. Liberal Arts: Arts, Humanities, and Communications
- A.A. Liberal Arts: Business/Economics, Hospitality Management, and Recreation Administration
- A.S. Liberal Arts: Business/Economics, Hospitality Management, and Recreation Administration
- A.A. Liberal Arts: Mathematics and Sciences
- A.S. Liberal Arts: Mathematics and Sciences
- A.A. Liberal Arts: Social and Behavioral Sciences
- A.S. Liberal Arts: Social and Behavioral Sciences
- C.A. CSU General Education
- C.A. IGETC General Education

Leadership

- C.S. Leadership Studies
- C.S. Service Leadership

Legal Studies

- A.A. Legal Studies: Business Emphasis
- A.A. Legal Studies: Social Science Emphasis

Library/Information Technology

- A.S. Library/Information Technology
- C.A. Library/Information Technology

Mathematics

- A.S. Mathematics

Medical Assisting

- A.S. Medical Assisting
- C.A. Medical Assisting
- C.S. Medical Assisting
- C.S. Phlebotomy

Music

- A.A. Jazz Studies
- A.A. Music Performance
- C.A. Audio Technology

Nursing Assistant

- C.S. Nursing Assistant
- C.S. Nursing Assistant, Acute Care Nurse Assistant
- C.S. Nursing Assistant, EKG Monitor Observer

Nursing, Registered

- A.S. Nursing, Registered
- C.A. Nursing, Registered
- C.A. Nursing, Registered (30 Unit Option)
- C.A. Nursing, Licensed Vocational Nurse
- C.S. Licensed Vocational Nurse, Basic Intravenous Therapy, Blood Transfusion, and Phlebotomy

Paralegal

- A.A. Paralegal
- C.A. Paralegal

Paramedic

See Emergency Medical Services

A.A. – ASSOCIATE IN ARTS

A.S. – ASSOCIATE IN SCIENCE

C.A. – CERT. OF ACHIEVEMENT

C.S. - CERT. OF SPECIALIZATION

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

AGRICULTURAL TECHNOLOGY**A.S., AGRICULTURAL SYSTEMS MANAGEMENT**

Cal Poly Required Course (20 units)		Qtr. Units
BRAE 128	Careers in Bioresource and Agricultural Engineering	2
BRAE 129	Laboratory Skills and Safety	1
BRAE 133	Engineering Design Graphics	2
BRAE 141	Agricultural Machinery Safety	3
BRAE 142	Agricultural Power and Machinery Management	4
BRAE 151	CAD for Agricultural Engineering	1
BRAE 203	Agricultural Systems Analysis	3
SS 121	Introductory Soil Science	4
Cuesta Required Courses (14-15)		Sem. Units
CHEM 210	Introduction to Chemistry	4
or CHEM 210FL	Introduction to Chemistry with Facilitator Assisted Learning	(4)
or CHEM 201A	General College Chemistry	(5)
MATH 229	Trigonometry	3
MATH 232	College Algebra	3
PHYS 205A	General Physics	4

A.S., ANIMAL SCIENCE

Cal Poly Required Course (38 units)		Qtr. Units
ASCI 101	Introduction to the Animal Sciences	2
ASCI 112	Principles of Animal Science	4
ASCI 211	Meat Science	4
ASCI 220	Introductory Animal Nutrition and Feeding	4
ASCI 221	Introduction to Beef Production	4
ASCI 222	Systems of Swine Production	4
ASCI 223	Systems of Sheep Management	4
ASCI 224	Equine Science	4
PM 225	Introduction to Poultry Management	4
VS 223	Anatomy and Physiology of Farm Animals	4
Cal Poly Suggested Electives		
ASCI 212	Livestock Show Management	2
ASCI 214	Equine Management	2
ASCI 260	Preparation of Livestock for Show and Sale	2
ASCI 290	Livestock Management Enterprise	2-4
Cuesta Suggested Electives		Sem. Units
BIO 211	Life Science	3
CHEM 201A	General College Chemistry	5
CHEM 201B	General College Chemistry	5
CHEM 211	Introduction to Organic and Biochemistry	4

A.S., BIORESOURCES AND AGRICULTURAL ENGINEERING

Cal Poly Required Course (26 units)		Qtr. Units
BRAE 128	Careers in Bioresource and Agricultural Engineering	2
BRAE 129	Laboratory Skills and Safety	1
BRAE 133	Engineering Design Graphics	2
BRAE 151	CAD for Agricultural Engineering	1
BRAE 216	Fundamentals of Electricity	4
BRAE 232	Agricultural Structures Planning	4
BRAE 234	Introduction to Mechanical Systems in Agriculture	4
BRAE 236	Principles of Irrigation	4
BRAE 239	Engineering Surveying	4

A.S., CROP SCIENCE

Cal Poly Required Course (33 units)		Qtr. Units
CRSC 132	California Field Crops	4
CRSC 202	Enterprise Project	3
or VGSC 202	Enterprise Project Management	(3)
CRSC 231	Commercial Seed Production	4
CRSC 244	Precision Farming	4
FRSC 230	California Fruit Growing	4
HCS 110	Orientation to Environmental Horticulture and Crop Science	2
HCS120	Principles of Horticulture and Crop Science	4
SS 121	Introductory Soil Science	4
VGSC 190	California Vegetable Production	4
Cuesta Suggested Electives		Sem. Units
BIO 202	General Botany	5
CHEM 201A	General College Chemistry	5
MATH 232	College Algebra	3

A.S., DAIRY PRODUCT TECHNOLOGY

Cal Poly Required Courses (23 units)		Qtr. Units
DSCI 121	Elements of Dairying	4
DSCI 123	Dairy Science Orientation	1
DSCI 202	Dairy Product Marketing Programs	4
DSCI 223	Frozen Dairy Foods	4
DSCI 231	General Dairy Manufacturing	4
DSCI 233	Milk Processing and Inspection	4
DSCI 234	Dairy Foods Evaluation	2
Cuesta Required Courses (17 units)		Sem. Units
BIO 204	General Bacteriology	5
CHEM 201A	General College Chemistry	5
CHEM 211	Introduction to Organic Biochemistry	4
MATH 232	College Algebra	3

A.S., DAIRY PRODUCTION

Cal Poly Required Courses (25 units)		Qtr. Units
DSCI 101	Dairy Feeds and Feeding	4
DSCI 121	Elements of Dairying	4
DSCI 123	Dairy Science Orientation	1
DSCI 202	Dairy Promotion and Marketing	4
DSCI 231	General Dairy Manufacturing	4
DSCI 233	Milk Processing and Inspection	4
DSCI 241	Dairy Cattle Selection, Breeds, Fitting & Showing	4
Cuesta Required Courses (16 units)		Sem. Units
BIO 204	General Bacteriology	5
BIO 211	Life Science	3
CHEM 201A	General College Chemistry	5
MATH 232	College Algebra	3

A.S., ENVIRONMENTAL HORTICULTURE SCIENCE/FLORAL DESIGN

Cal Poly Required Courses (26 units)		Qtr. Units
EHS 125	Florist Practices I	3
EHS 126	Environmental Horticulture Construction	2
EHS 128	Principles of Horticulture Design	4
EHS 225	Florist Practices II	3
FRSC 230	California Fruit Growing	4
HCS 110	Orientation to Environmental Horticulture and Crop Science	2
HCS120	Principles of Horticulture and Crop Science	4

SS 121	Introductory Soil Sciences	4
Cuesta Required Courses (13 units)		Sem. Units
BIO 202	General Botany	5
BUS 251	Elements of Accounting	4
CIS 210	Introduction to Computer Applications	4
Cal Poly Suggested Electives		
EHS 230	Environmental Horticulture	4

A.S., ENVIRONMENTAL HORTICULTURE SCIENCE/LANDSCAPE DESIGN

Cal Poly Required Courses (32 units)		Qtr. Units
EHS 123	Landscape Installation and Maintenance	4
EHS 126	Environmental Horticulture Construction	2
EHS 128	Principles of Horticulture Design	4
EHS 231	Plant Materials	4
EHS 232	Plant Materials	4
HCS 110	Orientation to Environmental Horticulture and Crop Science	2
HCS120	Principles of Horticulture and Crop Science	4
SS 121	Introductory Soil Sciences	4
SS 221	Fertilizers and Plant Nutrition	4
Cuesta Required Courses (13 Units)		Sem. Units
BIO 202	General Botany	5
BUS 251	Elements of Accounting	4
CIS 210	Introduction to Computer Applications	4
Cal Poly Suggested Electives		
EHS 230	Environmental Horticulture	4

A.S., ENVIRONMENTAL HORTICULTURE SCIENCE/PLANT PRODUCTION

Cal Poly Required Courses (39 units)		Qtr. Units
EHS 122	Fundamentals of Environmental Horticulture II	4
EHS 123	Landscape Installation and Maintenance	4
EHS 124	Plant Propagation	4
EHS 126	Environmental Horticulture Construction	2
EHS 231	Plant Materials	4
EHS 232	Plant Materials	4
EHS 245	Horticulture Applications	3
HCS 110	Orientation to Environmental Horticulture and Crop Science	2
HCS120	Principles of Horticulture and Crop Science	4
SS 121	Introductory Soil Sciences	4
SS 221	Fertilizers and Plant Nutrition	4
Cuesta Required Courses (13 Units)		Sem. Units
BIO 202	General Botany	5
BUS 251	Elements of Accounting	4
CIS 210	Introduction to Computer Applications	4
Cal Poly Suggested Electives		
EHS 230	Environmental Horticulture	4

A.S., FOOD SCIENCE

Cal Poly Required Course (25 units)		Qtr. Units
FSN 125	Introduction to Food Science	5
FSN 204	Food Processing Operations	4
FSN 210*	Nutrition	4
FSN 250*	Food and Nutrition: Customs and Culture	4
FSN 270	Food and Wine Plant Sanitation	4
FSN 275	Principles of Food Safety and Hazard Analysis	4
Cuesta Required Course (8 units)		Sem. Units
BIO 211	Life Science	3

CHEM 201A	General College Chemistry	5
*NUTR 10 at Cuesta College is equivalent		
*NUTR 22 at Cuesta College is equivalent		

A.S., FRUIT SCIENCE

Cal Poly Required Course (35 units)		Qtr. Units
VGSC 230	Introduction to Vegetable Science	4
FRSC 123	Beekeeping	3
FRSC 132	Pomology	4
FRSC 133	Pomology	4
FRSC 210	Viticulture Practices	2
FRSC 231	Viticulture	4
HCS 110	Orientation to Environmental Horticulture and Crop Science	2
HCS120	Principles of Horticulture and Crop Science	4
HCS 124	Plant Propagation	4
SS 121	Introductory Soil Science	4
Cuesta Suggested Electives		Sem. Units
BIO 202	General Botany	5
CHEM 201A	General College Chemistry	5
MATH 232	College Algebra	3

C.S., VITICULTURE PRACTICES

Required Courses (5 units)		
AGTC 105	Vineyard Pruning	.5
AGTC 110	Propagation Techniques	.5
AGTC 115	Vineyard Irrigation and Fertilization	1
AGTC 120	Vineyard Canopy Management	1
AGTC 130	Basic Viticulture	1
AGTC 135	Pest Control Management Update	.5
AGTC 140	Soil Fertility and Quality in Central Coast Viticulture	.5

C.S., VITICULTURE PRACTICES AND MAINTENANCE

Required Courses (17 units)		
AGTC 105	Vineyard Pruning	.5
AGTC 110	Propagation Techniques	.5
AGTC 115	Vineyard Irrigation and Fertilization	1
AGTC 120	Vineyard Canopy Management	1
AGTC 130	Basic Viticulture	1
AGTC 135	Pest Control Management Update	.5
AGTC 140	Soil Fertility and Quality in Central Coast Viticulture	.5
CTCH 250	Introduction to Construction	3
CTCH 168	Residential Plumbing	3
CTCH 169	Residential Wiring	3
WELD 270A	Basic Welding	3

ARCHITECTURAL TECHNOLOGY

A.S., ARCHITECTURAL TECHNOLOGY

Required Courses (34.5 units)		
ARCH 201	Survey of Architectural Education and Practice	1.5
ARCH 232	Architectural Design & Presentation	
	Computer Graphics	3
ARCH 221	Design and Visual Communication I	4
ARCH 222	Design and Visual Communication II	4
ARCH 244	Architectural Environment Control Systems	3

ARCH 230	Architectural Computer Aided Drafting and Design	3
ARCH 242	Introduction to Architectural Practice	3
ARCH 251	Architectural Design Fundamentals I	5
ARCH 252	Architectural Design Fundamentals II	5
CTCH 250	Introduction to Construction	3
Plus 9 units from the following:		
ARCH 202	Introduction to Architecture and Environmental Design	1.5
ARCH 205	Architectural Modelmaking	2
ARCH 245	Green Building with LEED Training	1
ARCH 254	Advanced Architectural Graphic Communication	2
CTCH 180A	Building Code I, Architectural Design Provisions	3
ENGR 125	AutoCAD	1
or ENGR 226	Engineering Drawing I	(4)
ENGR 227	Engineering Drawing II	3
ENGR 250	Engineering Statics	3
ENGR 252A	Strength of Materials I	2
and ENGR 252B	Strength of Materials II	2
ENGR 260	Structural Systems for Architects	3

C.A., ARCHITECTURAL TECHNOLOGY

Required Courses (21.5 units)

ARCH 201	Survey of Architectural Education and Practice	1.5
ARCH 232	Architectural Design & Presentation Computer Graphics	3
ARCH 221	Design and Visual Communication I	4
ARCH 230	Architectural Computer Aided Drafting and Design	3
ARCH 242	Introduction to Architectural Practice	3
CTCH 250	Introduction to Construction	3
ENGR 226	Engineering Drawing I	4
Plus 6 units from the following:		
ARCH 202	Introduction to Architecture and Environmental Design	1.5
ARCH 222	Design and Visual Communication II	4
ARCH 213	Architecture Portfolio Presentation	2
ARCH 205	Architectural Modelmaking	2
ARCH 245	Green Building with LEED Training	1
ARCH 254	Advanced Architectural Graphic Communication	2
ENGR 227	Engineering Drawing II	3
MATH 125	Plane Geometry	3
MATH 126B	Intermediate Algebra-Part 2	5
MATH 127	Intermediate Algebra	5
MATH 229	Trigonometry	3
MATH 231	Trigonometry with Geometric Foundations	5
MATH 242	Precalculus Algebra	5
MATH 263	Precalculus Math	5
MATH 265A	Analytic Geometry and Calculus	5
MATH 265B	Analytic Geometry and Calculus	5

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)

ART 205	Survey of Art History: Modernism and Post-Modernism	3
ART 220	Fundamentals of 2-Dimensional Design	3

ART 253	Digital Art	2-3
ART 293	Portfolio Presentation	2-3
ART 295	Art Gallery	3-5
BUS 245	Introduction to Business	3
or BUS 246	Retail Merchandising	(3)
or BUS 248	Small Business Management	(3)
or BUS 249	Entrepreneurship	(3)
Plus 6 units from the following:		
ART 200	Art Appreciation	3
ART 203	Survey of Art History: Old Stoneage Through Gothic	3
ART 204	Survey of Art History: Renaissance Through 19th Century	3
ART 206	Survey of Art History: Non-Western Art	3
ART 246	Camera Art	2
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 266	Graphic Design	2-3
ART 267	Intermediate Graphic Design	2-3
ART 270	Fundamentals of 3-Dimensional Design	3
ART 290	Art Excursion	1

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)

ART 220	Fundamentals of 2-Dimensional Design	3
ART 221	Beginning Drawing	2-3
ART 222	Intermediate Drawing	2-3
ART 253	Digital Art	2-3
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 9 units from the following:		
ART 223	Life Drawing	2-3
ART 224	Intermediate Life Drawing	2-3
ART 129	Color	3
ART 230	Beginning Painting	2-3
ART 231	Intermediate Painting	2-3
ART 232	Watercolor Painting	2-3
ART 234	Figure Painting	2-3
ART 240	Introduction to Print Media	2-3
ART 241	Etching	2-3
ART 243	Book Arts	2-3
ART 244	Photography	2-3
ART 245	Intermediate Photography	2-3
ART 246	Camera Art	2
ART 247	Digital Video Editing	3
ART 1248	Digital Video Effects	3
ART 249	Digital Photography	3

INSTRUCTION

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
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 tech-

nology-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 (54.5-55.5 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 160	Automotive Electrical Accessories	4
ATCH 168	Automotive Repair Business	3
ATCH 170	Auto Body Repair I	3
ATCH 171	Advanced Auto Body	3
or ATCH 177	Advanced Auto Painting	(3)
ATCH 175	Automotive Painting	5
ATCH 284	Braking Systems	4
ATCH 186	Chassis and Suspension Systems	3
ATCH 188	Automotive Heating and Air Conditioning	3
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 160	Automotive Electrical Accessories	4
ATCH 166	Automotive Maintenance and Light Repair	2
ATCH 168	Automotive Repair Business	3
ATCH 170	Auto Body Repair I	3
ATCH 175	Automotive Painting	5
Plus 8 units from the following:		
ENGL 165	Basic Technical Communications	4
MATH 124A	Technical Math	5
or MATH 127	Intermediate Algebra	(5)

INSTRUCTION

PSCI 201A	Physical Science: Physics and Chemistry	3
A.S., AUTOMOTIVE TECHNICIAN		
Required Courses (55.5-56.5 units)		
ATCH 152	Internal Combustion Engine	3
ATCH 153	Engine Overhaul Procedure	3
ATCH 158	Automotive Electricity and Electronics	4
ATCH 168	Auto Repair Business	3
ATCH 280	Manual Drivetrains	3
ATCH 281	Manual Transmissions	3
ATCH 182	Automatic Transmissions	4
ATCH 284	Braking Systems	4
ATCH 186	Chassis and Suspension Systems	3
ATCH 188	Automotive Heating and Air Conditioning	3
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

C.A., AUTOMATIC TRANSMISSION/TRANSAXLE SPECIALIST

Required Courses (17 units)		
ATCH 160	Automotive Electrical Accessories	4
ATCH 168	Automotive Repair Business	3
ATCH 280	Manual Drivetrains	3
ATCH 281	Manual Transmissions	3
ATCH 182	Automatic Transmissions	4
Plus 8 units from the following:		
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

C.A., BRAKES SPECIALIST

Required Courses (15.5 units)		
ATCH 160	Automotive Electrical Accessories	4
ATCH 166	Automotive Maintenance and Light Repair	2
ATCH 168	Automotive Repair Business	3
ATCH 284	Braking Systems	4
ATCH 109	Introduction to Automotive Computers	2.5
Plus 8 units from the following:		
ENGL 165	Basic Technical Communications	4
MATH 124A	Technical Math	5
or MATH 227	Intermediate Algebra	(5)
PSCI 1A	Physical Science: Physics and Chemistry	3

C.A., CHASSIS AND SUSPENSION SPECIALIST

Required Courses (16 units)		
ATCH 160	Automotive Electrical Accessories	4
ATCH 166	Automotive Maintenance and Light Repair	2
ATCH 168	Automotive Repair Business	3
ATCH 284	Braking Systems	4
ATCH 186	Chassis and Suspension Systems	3
Plus 8 units from the following:		
ENGL 165	Basic Technical Communications	4
MATH 124A	Technical Math	5
or MATH 127	Intermediate Algebra	(5)

PSCI 1A	Physical Science: Physics and Chemistry	3
C.A., ELECTRICAL SYSTEMS SPECIALIST		
Required Courses (15.5 units)		
ATCH 158	Automotive Electricity and Electronics	4
ATCH 160	Automotive Electrical Accessories	4
ATCH 166	Automotive Maintenance and Light Repair	2
ATCH 168	Automotive Repair Business	3
ATCH 109	Introduction to Automotive Computers	2.5
Plus 8 units from the following:		
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

C.A., ENGINE PERFORMANCE SPECIALIST

Required Courses (25.5 units)		
ATCH 152	Internal Combustion Engines	3
ATCH 158	Automotive Electricity and Electronics	4
ATCH 164	Basic Clean Air Car Course	3
ATCH 168	Automotive Repair Business	3
ATCH 187	Automotive Fuel Injection and Turbochargers	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

C.A., ENGINE REPAIR SPECIALIST

Required Courses (22 units)		
ATCH 152	Internal Combustion Engines	3
ATCH 153	Engine Overhaul Procedures	3
ATCH 158	Automotive Electricity and Electronics	4
ATCH 164	Basic Clean Air Car Course	3
ATCH 166	Automotive Maintenance and Light Repair	2
ATCH 168	Automotive Repair Business	3
ATCH 125	Engine Performance	4
Plus 4 units from the following:		
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

C.A., HEATING AND AIR CONDITIONING SPECIALIST

Required Courses (17.5 units)		
ATCH 152	Internal Combustion Engines	3
ATCH 160	Automotive Electrical Accessories	4
ATCH 166	Automotive Maintenance and Light Repair	2
ATCH 168	Automotive Repair Business	3
ATCH 188	Automotive Heating and Air Conditioning	3
ATCH 109	Introduction to Automotive Computers	2.5
Plus 8 units from the following:		
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

**C.A., MANUAL DRIVETRAINS AND AXLES
SPECIALIST**

Required Courses (15 units)

ATCH 160	Automotive Electrical Accessories	4
ATCH 166	Automotive Maintenance and Light Repair	2
ATCH 168	Automotive Repair Business	3
ATCH 280	Manual Drivetrains	3
ATCH 281	Manual Transmissions	3
Plus 8 units from the following:		
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

BASIC SKILLS**C.A., BASIC SKILLS**

Required Courses (8.5 units)

ACSK 120	Learning Essentials for College Success	1.5
ENGL 099	Basic Reading and Writing	4
MATH 007	Pre-Algebra	3
Plus 4.5 units from the following:		
ACSK 005	Academic Support Lab	.5-1
ACSK 030A	Introduction to Phonetic Foundations	3.5
ACSK 030B	Advanced Phonetic Foundations	3.5
ACSK 032	Reading Comprehension	2
ACSK 034	Building Reading Essentials	3
ACSK 036	Reading Essentials	3
ACSK 050	Writing Fundamentals	3
ACSK 055	Spelling Essentials	3
ACSK 058	Grammar Essentials	1.5
ACSK 075	Arithmetic Fundamentals	4
ACSK 010	Keyboarding for Computer Access	.5-1
CAOA 120A	Beginning Computer Keyboarding	3
COUN 156	Student Success	1
COUN 261	Career Skills and Job Shadowing	1
MATH 003	Arithmetic	3

BIOLOGY**A.S., BIOLOGICAL SCIENCE**

Required Courses (10 units)

BIO 201A	Biology	5
BIO 202	General Botany	5
or BIO 203	General Zoology	(5)
Plus 32 units from the following:		
BIO 201B	Biology	5
BIO 204	General Bacteriology	5
BIO 205	Human Anatomy	4
BIO 206	General Human Physiology	5
BIO 208G	Biology Seminar: General Topics	1
BIO 209C	Coastal Biology Field Studies	1
BIO 209D	Desert Biology Field Studies	1
BIO 209H	Hawaiian Biology Field Studies	1-3
BIO 209S	Sierra Biology Field Studies	1
BIO 210E	Natural History of the Eastern California Mountains & Deserts	2
BIO 210R	Natural History of the Coast Ranges	2
BIO 210V	Natural History of Death Valley National Park	2
BIO 212	Human Biology	3

BIO 212L	Human Biology Lab	1
BIO 213	Genetics and Society	3
BIO 220	Environmental Biology	3
or BIO 220	Environmental Biology	(3)
and BIO 220L	Environmental Biology Lab	(1)
BIO 221	Concepts of Ecology	3
BIO 222	Introduction to Marine Science	3
and BIO 222L	Introduction to Marine Science Laboratory	1
BIO 224	Principles of Natural History	3
BIO 247	Independent Studies	.5-2

BROADCAST COMMUNICATIONS**A.A., BROADCAST COMMUNICATIONS**

Required Courses (19 units)

BCST 221	Introduction to Broadcasting	3
BCST 223	Video Operations	3
BCST 224A	Basic Audio Production	3
BCST 225A	Video Studio Production	3
BCST 226	Media Writing	3
ENGL 201A	English Composition	4
Plus 3 units from the following:		
BCST 224B	Advanced Audio Production	3
BCST 224C	Advanced Audio Production	3
BCST 224D	Advanced Audio Production	3
BCST 225B	Field Video Production and Editing	3
BCST 230A	Television Internship	3
BCST 230B	Television Internship	3
BCST 230C	Television Internship	3
BCST 230D	Television Internship	3

BUSINESS**A.A., BUSINESS ADMINISTRATION**

Required Courses (37-40 units)

BUS 201A	Principles of Accounting	4
BUS 201B	Principles of Accounting	4
BUS 218	Business Law	3
or BUS 219	International Business Law	(3)
BUS 245	Introduction to Business	3
BUS 283	Management and Supervision	3
BUS 286	Human Relations	3
CAOA 261	Introduction to Spreadsheets	3
CAOA 264	Introduction to Database Management	3
CIS 210	Introduction to Computer Applications	4
ECON 201A	Principles of Economics	3
ECON 201B	Principles of Economics	3
WEXP 151	Cooperative Work Experience Education - General	.5
and WEXP 151L	Cooperative Work Experience Education Lab - General	.5-2.5
or WEXP 252	Cooperative Work Experience Education - Occupational	(.5)
and WEXP 252L	Cooperative Work Experience Education Lab - Occupational	(.5-3.5)
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 and 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

C.A., BUSINESS ADMINISTRATION

Required Courses (20 units)

BUS 201A	Principles of Accounting	4
or ECON 201A	Principles of Economics	(3)
BUS 243	Marketing	3
BUS 245	Introduction to Business	3
BUS 283	Management and Supervision	3
CAOA 123	Business English	3
or SPCM 201A	Public Address	(3)
CIS 10	Introduction to Computer Applications	4
Plus 6 units from the following:		
BUS 218	Business Law	3
BUS 241	Sales	3
BUS 248	Small Business Management	3
BUS 249	Entrepreneurship	4
BUS 260	International Business	3
BUS 286	Human Relations	3
WEXP 151	Cooperative Work Experience Education - General	.5
and WEXP 151L	Cooperative Work Experience Education Lab - General	.5-2.5
or WEXP 252	Cooperative Work Experience Education - Occupational	(.5)
and WEXP 252L	Cooperative Work Experience Education Lab - Occupational	(.5-3.5)

A.A., INTERNATIONAL BUSINESS

Required Courses (43 units)

BUS 201A	Principles of Accounting	4
BUS 219	International Business Law	3
BUS 245	Introduction to Business	3
BUS 260	Introduction to International Business	3
BUS 162	Geography for International Business	3
BUS 164	International Trade Relations	3
BUS 165	Basic of Exporting and Importing	2
BUS 168	International Marketing	3
BUS 283	Management and Supervisor	3
or BUS 286	Human Relations	(3)
CIS 210	Introduction to Computer Application	4
ECON 211	Global Economics	3
2 semesters	Foreign Language (French, German, Spanish)	8
PEAC 283	Golf (2 semesters)	2

C.S., INTERNATIONAL BUSINESS

Required Courses (16 units)

BUS 219	International Business Law	3
BUS 260	Introduction to International Business	3
BUS 164	International Trade Relations	3
BUS 168	International Marketing	3
Foreign Language:	French, German, or Spanish	4

A.A., MANAGEMENT

Required Courses (29-30 units)

BUS 201A	Principles of Accounting	4
BUS 218	Business Law	3
BUS 245	Introduction to Business	3
BUS 248	Small Business Management	3
or BUS 249	Entrepreneurship	(4)
BUS 283	Management and Supervision	3
BUS 286	Human Relations	3
CAOA 261	Introduction to Spreadsheets	3
CIS 210	Introduction to Computer Applications	4
ECON 201A	Principles of Economics	3

C.S., SUPERVISION

Required Courses (13-16 units)

BUS 283	Management and Supervision	3
BUS 286	Human Relations	3
or BUS 196	Workplace Human Relations	(2)
CAOA 123	Business English	3
FMST 205	Life Management	3
WEXP 151	Cooperative Work Experience Education - General	.5
and WEXP 151L	Cooperative Work Experience Education Lab - General	.5-2.5
or WEXP 252	Cooperative Work Experience Education - Occupational	(.5)
and WEXP 252L	Cooperative Work Experience Education Lab - Occupational	(.5-3.5)

C.S., CUSTOMER SERVICE

Required Courses (5 units)

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 and 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

A.A., MARKETING

Required Courses (38-39 units)

BUS 201A	Principles of Accounting	4
BUS 218	Business Law	3
BUS 240	Advertising	3
BUS 241	Sales	3
BUS 243	Marketing	3
BUS 245	Introduction to Business	3
BUS 248	Small Business Management	3
or BUS 249	Entrepreneurship	(4)
BUS 283	Management and Supervision	3
BUS 286	Human Relations	3
CAOA 261	Introduction to Spreadsheets	3
CIS 210	Introduction to Computer Applications	4
ECON 201A	Principles of Economics	3

INSTRUCTION

CHEMISTRY**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 ADMINI.**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 CAO 252	Computerized Accounting Using QuickBooks Pro	(3)
BUS 251	Elements of Accounting	4
or 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 126	Voice Recognition Software with Document Applications	3
or CAO 250	Advanced Word Processing: Microsoft Word	(3)
CAOA 227	Business Communications	4
CAOA 128	Office Technology and Telecommunications	3
CAOA 129	Computer Applications/Office Administration Internship	3
CAOA 246	Beginning Word Processing: Microsoft Word	3
CAOA 160	Microcomputer Operations	3
CAOA 261	Introduction to Spreadsheets	3
CAOA 264	Introduction to Database Management	3
CAOA 265	Adobe InDesign	3
or CAO 250	Advanced Word Processing: Microsoft Word	(3)
or CAO 167	PowerPoint	(1)
and CAO 153	Essentials of MS Publisher	(2)
or CAO 268	Introduction to Photoshop	(3)

C.A., ADMINISTRATIVE ASSISTANT

Required Courses (29.5-30.5 units)

BUS 251	Elements of Accounting	4
or BUS 201A	Principles of Accounting	(4)
CAOA 120B	Intermediate Computer Keyboarding and Document Processing	3
CAOA 123	Business English	3
CAOA 225	Business Calculations	3
CAOA 126	Voice Recognition Software with Document Applications	3

or CAO 250	Advanced Word Processing: Microsoft Word	(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 252	Computerized Accounting Using QuickBooks Pro	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 162	Introduction to Beginning Computer Keyboarding	1
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	Introduction to Photoshop	3
CAOA 268A	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

CAOA 120A	Beginning Computer Keyboarding and Document Processing	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 162	Introduction to Beginning Computer Keyboarding	1
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	Introduction to Photoshop	3
CAOA 168A	Photoshop-Level 2	1.5
CAOA 269	Introduction to Web Publishing: Dreamweaver	3
CAOA 271	Introduction to Flash: Business Applications	1.5-3
CAOA 172	Photoshop Elements	1.5
CAOA 173	Adobe Acrobat	1.5

C.A., WORD PROCESSING

Required Courses (28 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	3
CAOA 246	Beginning Word Processing: Microsoft Word	3
CAOA 250	Advanced Word Processing: Microsoft Word	3
CAOA 160	Microcomputer Operations	3

Plus 10 units from the following:

BUS 251	Elements of Accounting	4
BUS 286	Human Relations	3
CAOA 120A	Beginning Computer Keyboarding and Document Processing	3
CAOA 225	Business Calculation	3
CAOA 246*	Beginning 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 261	Introduction to Spreadsheets	3
CAOA 162	Introduction to Beginning Computer Keyboarding	1
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	Introduction to Photoshop	3
CAOA 168A	Photoshop-Level 2	1.5
CAOA 269	Introduction to Web Publishing: Dreamweaver	3
CAOA 271	Introduction to Flash: Business Applications	1.5-3
CAOA 172	Photoshop Elements	1.5
CAOA 173	Adobe Acrobat	1.5

* If not used for required units.

C.S., ACCOUNTING CLERK/BOOKKEEPER

Required Courses (19.5 units)

BUS 251	Elements of Accounting	4
CAOA 123	Business English	3
CAOA 225	Business Calculations	3
CAOA 128	Office Technology and Telecommunications	3
CAOA 129	Computer Applications/Office Administration Internship	.5
CAOA 252	Computerized Accounting Using QuickBooks Pro	3
CAOA 261	Introduction to Spreadsheets	3

Plus 3 units from the following:

CAOA 120A	Beginning Computer Keyboarding and Document Processing	3
CAOA 120B	Intermediate Computer Keyboarding and Document Processing	3
CAOA 160	Microcomputer Operations	3

C.S., BUSINESS COMMUNICATIONS

Required Courses (26.5 units)

CAOA 120B	Intermediate Computer Keyboarding and Document Processing	3
CAOA 123	Business English	3
CAOA 225	Business Calculations	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
CAOA 167	PowerPoint	1

C.S., DESKTOP PUBLISHING

Required Courses (13.5 units)

ART 220	Fundamentals of 2-Dimensional Design	3
CAOA 250	Advanced Word	3
CAOA 265	Adobe InDesign	3
CAOA 268	Introduction to Photoshop	3
or CAOA 269	Introduction to Web Publishing: Dreamweaver	(3)
CAOA 173	Adobe Acrobat	1.5

Plus 3 units from the following:

CAOA 153	Essentials of MS Publisher	2
CAOA 168A	Photoshop-Level 2	1.5
CAOA 172	Photoshop Elements	1.5
CAOA 270	Intermediate Web Publishing: Dreamweaver	3
CAOA 271	Using Flash for Business Applications	3

C.S., COMPUTER APPLICATIONS

Required Courses (16 units)

CAOA 246	Beginning Word Processing: Microsoft Word	3
CAOA 250	Advanced Word Processing: Microsoft Word	3
CAOA 261	Introduction to Spreadsheets	3
CAOA 264	Introduction to Database Management	3
CAOA 265	Adobe InDesign	3
or CAOA 167	PowerPoint	(1)
and CAOA 153	Essentials of MS Publisher	(2)
or CAOA 268	Introduction to Photoshop	(3)
or CAOA 269	Introduction to Web Publishing: Dreamweaver	(3)

INSTRUCTION

CAOA 266	Introduction to Computer Basics	1
Plus 3 units from the following:		
CAOA 120A	Beginning Computer Keyboarding and Document Processing	3
CAOA 120B	Intermediate Computer Keyboarding and Document Processing	3
CAOA 271	Using Flash for Business Applications	3

C.S., WORD PROCESSING

Required Courses (15.5 units)

CAOA 123	Business English	3
CAOA 225	Business Calculations	3
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 3 units from the following:		
CAOA 120A	Beginning Computer Keyboarding and Document Processing	3
CAOA 120B	Intermediate Computer Keyboarding and Document Processing	3
CAOA 160	Microcomputer Operations	3

INSTRUCTION

COMPUTER INFORMATION SYSTEMS

A.S., COMPUTER INFORMATION SYSTEMS, PROGRAMMING

Required Courses (44 units)

BUS 201A	Principles of Accounting	4
BUS 245	Introduction to Business	3
BUS 283	Management and Supervision	3
CIS 210	Introduction to Computer Applications	4
CIS 212	Beginning COBOL Programming	3
CIS 217	"C" Programming Language	3
CIS 219	Object Oriented Programming - C++	3
or 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 214	Introduction to Visual Basic	3
ECON 201A	Principles of Economics	3
ENGL 210	Technical Communication	4
BUS 218	Business Law	3

C.S., INTERNET APPLICATIONS DEVELOPER

Required Courses (17 units)

CAOA 264	Introduction to Database Management	3
CIS 214	Introduction to Visual Basic	3
CIS 115	Visual Basic for Internet Application	3
CIS 141	Data Base Administration	4
LIBT 106	Introduction to the Internet	1
LIBT 107	Web Page Development with XHTML	3

A.S., COMPUTER NETWORK ADMINISTRATION

Required Courses (36 units)

BUS 286	Human Relations	3
CIS 221	Operating Systems Concepts I	3
CIS 128	Windows Server Administration	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 253	Microcomputer Fundamentals for Technicians	3
ENGL 165	Basic Technical Communication	4
MATH 127	Intermediate Algebra	5
Plus 6-7 units from the following:		
CAOA 261	Introduction to Spreadsheets	3
CAOA 264	Introduction to Database Management	3
CIS 213	Beginning Basic Programming	3
CIS 217	"C" Programming Language	3
CIS 219	Object Oriented Programming - C++	3
CIS 231	Fundamentals of Computer Science I	4
CIS 214	Introduction to Visual Basic	3
CIS 122	Introduction to Linux	3
CIS 141	Database System Administration	4
CIS 143	Web Site Administration	4
ETCH 220	Microcomputer Architecture and Programming	4
ETCH 254	Server Maintenance and Administration	4
LIBT 107	Web Page Development with XHTML	3
LIBT 111	Javascript Fundamentals	1

C.A., COMPUTER NETWORKING SPECIALIST

Required Courses (28 units)

CIS 221	Operating System Concepts I	3
CIS 128	Network Server Administration	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 213	Electronics Fundamentals	6
ETCH 253	Microcomputer Fundamentals for Technicians	3
MATH 127	Intermediate Algebra	5

A.S., COMPUTER SCIENCE

Required Courses (35 units)

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
or CIS 241	Discrete Structures	(3)
CHEM 201A	General College Chemistry	5
and CHEM 201B	General College Chemistry	5
or PHYS 208A	Principles of Physics	(5)
and PHYS 208B	Principles of Physics	(5)
ENGR 219	Logic and Switching Circuits	4
MATH 265A	Analytic Geometry and Calculus	5
MATH 265B	Analytic Geometry and Calculus	5
Plus 3 units from the following:		
CIS 217	"C" Programming Language	3
CIS 219	Object Oriented Programming - C++	3
CIS 218	C# .NET Programming	3
CIS 240*	Microcomputer Architecture & Programming	3
CIS 241*	Discrete Structures	3
ENGR 217	Introduction to Electronic Circuit Analysis	4
ENGR 245	Materials Engineering	3
ENGR 250	Engineering Statics	3

* 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 & Wall Framing I	3
CTCH 173A	Homebuilding: Roof Framing I	3
CTCH 174A	Homebuilding: Finish Carpentry I	3
CTCH 180A	Building Code I, Architectural Design Provisions	3

Plus 3 units from the following:

BUS 283	Management and Supervision	3
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 180B	Building Code II, Structural Design and Material Provisions	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.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
CTCH 180A	Building Code I, Architectural Design Provisions	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 and 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 180B	Building Code II, Structural Design and Material Provisions	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 180A Building Code I, Architectural Design Provisions 3

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

CRIMINAL JUSTICE**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

CULINARY ARTS**A.S., CULINARY ARTS**

Required Courses (29.5 units)

BUS 172 Communicating with People .5

BUS 173 Conflict Resolution .5

BUS 175 Values & Ethics .5

COUN 261 Career Skills and Job Shadowing 1

CUL 210 Culinary Arts Fundamentals I 2.5

CUL 213 Food Sanitation and Safety 3

CUL 220 Culinary Arts Fundamentals II 1.5

CUL 125 Baking and Baking Science I 1

CUL 230 Meat, Poultry, and Seafood Analysis
and Production 1.5

CUL 235 Intermediate Baking 1

CUL 240 Garde Manger 1

CUL 243 International Cuisine .5

CUL 145 Advanced Pastry Arts 1

CUL 149 Vegetarian Cuisine 1

HOPS 110 Hospitality Marketing and Sales 3

HOSP 130 Food and Beverage Operations 3

MATH 112 Converting Measurements 1

NUTR 210 Nutrition 3

NUTR 222 Food Customs and Culture 3

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

Required Courses (29.5 units)

BUS 172 Communicating with People .5

BUS 173 Conflict Resolution .5

BUS 175 Values & Ethics .5

COUN 261 Career Skills and Job Shadowing 1

CUL 210 Culinary Arts Fundamentals I 2.5

CUL 213 Food Sanitation and Safety 3

CUL 220 Culinary Arts Fundamentals II 1.5

CUL 125 Baking and Baking Science I 1

CUL 230 Meat, Poultry, and Seafood Analysis
and Production 1.5

CUL 235 Intermediate Baking 1

CUL 240 Garde Manger 1

CUL 243 International Cuisine .5

CUL 145 Advanced Pastry Arts 1

CUL 149 Vegetarian Cuisine 1

HOSP 110 Hospitality Marketing and Sales 3

HOSP 130 Food and Beverage Operations 3

MATH 112 Converting Measurements 1

NUTR 210 Nutrition 3

NUTR 222 Food Customs and Culture 3

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.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.

INSTRUCTION

**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

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.

**A.A., EARLY CHILDHOOD EDUCATION
TEACHER: LABORATORY TRACK**

Required Courses (30 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 209	Guidance, Curriculum and Environments	3
ECE 210	Practicum: Curriculum and Environment	4
ECE 215	Teaching in a Diverse Society	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 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, Evaluations 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 in the ECE Classroom	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: LABORATORY TRACK**

Required Courses (30 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 209	Guidance, Curriculum and Environments	3
ECE 210	Practicum: Curriculum and Environment	4
ECE 215	Teaching in a Diverse Society	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 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, Evaluations 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 in the ECE Classroom	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.S., EARLY CHILDHOOD EDUCATION
ASSOCIATE TEACHER**

Required Courses (15 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
C.S., Early Childhood Education Master Teacher: Curriculum		
Required Courses (9 units)		
ECE 204	Child Health Safety and Nutrition	3
ECE 211	Music And Movement Activities for Young Children	3
ECE 220	Art for Young Children	3
ECE 234	Literature for Children	3
C.S., Early Childhood Education Master Teacher: Diversity		
Required Courses (6 units)		
ECE 215	Multicultural/Anti-Bias Curriculum	3
ECE 135	Strategies for Challenging Behaviors	3
Or ECE 236	Understanding the Child with Special Needs	(3)
Plus 3 units from the following:		
FMST 213	Ethnic Identity Development Across the Life Span	3
SOC 206	Minority Group Relations	3
SPCM 212	Intercultural Communication	3

* If not used for required units

**C.S., EARLY CHILDHOOD EDUCATION SITE
SUPERVISOR**

Required Courses (15 units)		
ECE 207	Guidance of the Young Child	3
or ECE 256	Discipline and Classroom Management	(3)
ECE 209	Program: Curriculum and Environment	3
or ECE 257	Developing the Learning Environment	(3)
ECE 244	Supervision and Administration of Parent Programs	3
ECE 245	Adult Supervision, Evaluations and Staff Relations in ECE	3
ECE 246	Administration and Supervision of Early Childhood Schools	3

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-Part 1	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

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 1	5
or MATH 127	Intermediate Algebra	(5)
PSCI 201A	Physical Science: Physics and Chemistry	3
Plus 12 units from the following:		
ATCH 158	Automotive Electricity and Electronics	4
ATCH 280	Manual Drivetrains	3
ATCH 109	Introduction to Automotive Computers	2.5
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
CTCH 169	Residential Wiring	3
CTCH 183A	Commercial Wiring and Electrical Systems	4
CTCH 183B	Industrial Wiring and Electrical Systems	4
ETCH 215	Analog Devices	2
ETCH 218	Wireless Network Communications and Administration	4
ETCH 220	Microcomputer Architecture and Programming	2
ETCH 122	Logical Troubleshooting	2
ETCH 228	Programmable Logic Controllers	4
ETCH 235	Robotics Technology	4
ETCH 239	Computer Numerical Control	3
ETCH 253	Microcomputer Fundamentals for Technicians	3
ETCH 254	Server Maintenance and Administration	4
ETCH 256	Fiber Network Cabling Certification	2
ETCH 257	Computer Instrumentation and Control	4
ETCH 267	Power Systems and Rotating Electrical Machinery	4
ENGR 227	Engineering Drawing II	3
WELD 270A	Basic Welding	3-4

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

MATH 123	Elementary Algebra	5	ATCH 158	Automotive Electricity and Electronics	4
or MATH 124A	Technical Math	(5)	ATCH 109	Introduction to Automotive Computers	2.5
Plus 9 units from the following:					
CTCH 164	Blueprint Reading	3	CIS 115	Visual Basic for Internet Application	3
ETCH 215	Analog Circuits	2	CIS 260	Networking Fundamentals	2
ETCH 216	Digital Circuits	4	CIS 261	Router Theory and Technology	2
ETCH 122	Logical Troubleshooting Techniques	2	CIS 262	Advanced Routing and Switching	2
ETCH 227	Fluid and Pneumatic Technology	4	CIS 263	Wide Area Networking	2
ETCH 150	Industry Internship	4	CTCH 250	Introduction to Construction	3
ETCH 255	Network Cabling Certification	2	CTCH 164	Blueprint Reading	3
ETCH 256	Advanced Network Cabling Techniques	2	CTCH 169	Residential Wiring	3
ETCH 257	Computer Instrumentation and Control	4	CTCH 181	National Electrical Code	3
CTCH 163	Construction Management	3	CTCH 183A	Commercial Wiring and Electrical Systems	4
CTCH 175	Basic Heating, Refrigeration, and Airconditioning	3	CTCH 183B	Industrial Wiring and Electrical Systems	4

C.A., 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

MATH 123	Elementary Algebra	5
or MATH 124A	Technical Math	(5)
Plus 9 units from the following:		
CTCH 164	Blueprint Reading	3
ETCH 215	Analog Circuits	2
ETCH 216	Digital Circuits	4
ETCH 122	Logical Troubleshooting Techniques	2
ETCH 227	Fluid and Pneumatic Technology	4
ETCH 150	Industry Internship	4
ETCH 255	Network Cabling Certification	2
ETCH 256	Advanced Network Cabling Techniques	2
ETCH 257	Computer Instrumentation and Control	4
CTCH 163	Construction Management	3
CTCH 175	Basic Heating, Refrigeration, and Airconditioning	3

A.S., ELECTRONICS TECHNOLOGY

Required Courses (42 units)

CIS 221	Operating Systems Concepts I	3
ETCH 111	Laboratory Techniques I	1
ETCH 213	Electronics Fundamentals	6
ETCH 215	Analog Devices	2
ETCH 216	Digital Circuits	4
ETCH 218	Wireless Communications and Connectivity	2
ETCH 220	Microcomputer Architecture and Programming	2
ETCH 122	Logical Troubleshooting	2
ETCH 224	Industrial Electronics	4
ETCH 228	Programmable Logic Controllers	4
ETCH 253	Microcomputer Fundamentals for Technicians	3
ETCH 255	Network Cabling Certification	2
ETCH 256	Advanced Network Connectivity	2
MATH 127	Intermediate Algebra	5

Plus 8 units from the following:

ATCH 158	Automotive Electricity and Electronics	4
ATCH 109	Introduction to Automotive Computers	2.5
CIS 115	Visual Basic for Internet Application	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
CTCH 250	Introduction to Construction	3
CTCH 164	Blueprint Reading	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 235	Robotics Technology	4
ETCH 239	Computer Numerical Control	3
ETCH 254	Advanced Microcomputer Maintenance	4
ETCH 257	Computer Instrumentation and Control	4
ETCH 267	Power Systems and Rotating Electrical Machinery	4
ENGR 226	Engineering Drawing I	4
ENGR 227	Engineering Drawing II	3

C.A., ELECTRONICS TECHNOLOGY

Required Courses (42 units)

CIS 221	Operating Systems Concepts I	3
ETCH 111	Laboratory Techniques I	1
ETCH 213	Electronics Fundamentals	6
ETCH 215	Analog Devices	2
ETCH 216	Digital Circuits	4
ETCH 218	Wireless Communications and Connectivity	2
ETCH 220	Microcomputer Architecture and Programming	2
ETCH 122	Logical Troubleshooting	2
ETCH 224	Industrial Electronics	4
ETCH 228	Programmable Logic Controllers	4
ETCH 253	Microcomputer Fundamentals for Technicians	3
ETCH 255	Network Cabling Certification	2
ETCH 256	Advanced Network Connectivity	2
MATH 127	Intermediate Algebra	5

Plus 8 units from the following:

ATCH 158	Automotive Electricity and Electronics	4
ATCH 109	Introduction to Automotive Computers	2.5
CIS 115	Visual Basic for Internet Application	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
CTCH 250	Introduction to Construction	3
CTCH 164	Blueprint Reading	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 235	Robotics Technology	4
ETCH 239	Computer Numerical Control	3
ETCH 254	Advanced Microcomputer Maintenance	4
ETCH 257	Computer Instrumentation and Control	4
ETCH 267	Power Systems and Rotating Electrical Machinery	4
ENGR 226	Engineering Drawing I	4
ENGR 227	Engineering Drawing II	3

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; or
- Part-time 1000 hours work experience as an EMT; or
- 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
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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
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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
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C.S., EMERGENCY SERVICES

Required Course (.5 units)

EMS 104	Emergency Vehicle Operator - Ambulance	.5
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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 218L	Electronic Circuit Lab	1
ENGR 219	Logic and Switching Circuits	4
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
and 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

INSTRUCTION

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
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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
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C.S., AUTOCAD - LEVEL I AND ENGINEERING DRAWING

Required Courses (4 units)

ENGR 226	Engineering Drawing I	4
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C.S., AUTOCAD - LEVEL III/ INVENTOR

Required Courses (3 units)

ENGR 227	Engineering Drawing II	3
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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
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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 I	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 I	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 210	Introduction to Human Services	3
FMST 212	Human Development: Life Span	3
or FMST 220	Aging in the 21st Century: Social Gerontology	(3)
FMST 213	Ethnic Identity Development Across the Life Span	3
FMST 214	Family, Relationships and Intimacy	3
FMST 215	Developmental Patterns of Women	3
FMST 216	Parenting	3
FMST 218	Human Sexuality	3
Plus 6 units from the following:		
FMST 212*	Human Development: Life Span	3
or FMST 220*	Aging in the 21st Century: Social Gerontology	3
FMST 270	Introduction to Addiction Studies: Addiction and the Community	3
FMST 278	Families and Addiction	3
LDER 253	Peer Counseling	2
or LDER 255	Community Internship	(3)
PSYC 201	Introductory Psychology	3
SOC 201A	Introduction to Sociology	3
SOC 206	Minority Group Relations	3
WEXP 252/252L	Cooperative Work Experience – Occupational	1-4

* If not used for required units

FASHION DESIGN AND MERCHANDISING

A.A., FASHION DESIGN

Required Courses (36 units)		
ENGR 125	AutoCAD	1
FDM 210	Introduction to Fashion	3
FDM 212	Textiles	3
FDM 214	Apparel Evaluation	3
FDM 215	Design Analysis and Color Theory	3
FDM 216	Fashion Illustration	3
FDM 218	Commercial Fashion Design	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 260	Product Development	3
FDM 263	Clothing Construction	3
FDM 165	Pattern Development	2
FDM 270	Fashion Portfolio Presentation	3
Plus 3 units from the following:		
ART 200	Art Appreciation	3
ART 221	Beginning Drawing	2-3
ART 222	Intermediate Drawing	2-3
ART 223	Life Drawing	2-3
Plus 3 units from the following:		
BUS 245	Introduction to Business	3
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 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

CIS 210	Introduction to Computer Applications	4
FDM 240	Visual Merchandising and Display	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)

* No more than 3 units

** If not used for required units

C.A., FASHION DESIGN

Required Courses (36 units)		
ENGR 125	AutoCAD	1
FDM 210	Introduction to Fashion	3
FDM 212	Textiles	3
FDM 214	Apparel Evaluation	3
FDM 215	Design Analysis and Color Theory	3
FDM 216	Fashion Illustration	3
FDM 218	Commercial Fashion Design	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 260	Product Development	3
FDM 263	Clothing Construction	3
FDM 165	Pattern Development	2
FDM 270	Fashion Portfolio Presentation	3
Plus 3 units from the following:		
ART 200	Art Appreciation	3
ART 221	Beginning Drawing	2-3
ART 222	Intermediate Drawing	2-3
ART 223	Life Drawing	2-3
Plus 3 units from the following:		
BUS 245	Introduction to Business	3
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 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
CIS 210	Introduction to Computer Applications	4
FDM 240	Visual Merchandising and Display	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)

* No more than 3 units

** If not used for required units

INSTRUCTION

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

C.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	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

GEOLOGY**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
MATH 265B	Analytic Geometry and Calculus	5
PHYS 208A	Principles of Physics	5
PHYS 208B	Principles of Physics	5

HISTORY**A.A., HISTORY**

Required Courses (12 units)

HIST 203A	History of World Civilizations	3
or HIST 203B	History of World Civilizations	(3)
or HIST 208A	History of Latin America	(3)
or HIST 208B	History of Latin America	(3)
or HIST 219	History of the Far East	(3)
or HIST 235	History of African Civilization	(3)
HIST 204A	History of Western Civilization	3
or HIST 204B	History of Western Civilization	(3)
HIST 207A	History of the United States	3
or HIST 207B	History of the United States	(3)
POLS 204	World Politics	3
or POLS 206	Comparative Government	(3)

or POLS 209	Introduction to Political Theory	(3)
Plus 9 units from the following:		
ECON 201A	Principles of Economics	3
HIST 203A*	History of World Civilizations	3
HIST 203B*	History of World Civilizations	3
HIST 204A*	History of Western Civilization	3
HIST 204B*	History of Western Civilization	3
HIST 207A*	History of the United States	3
HIST 207B*	History of the United States	3
HIST 208A*	History of Latin America	3
HIST 208B*	History of Latin America	3
HIST 210	History of California	3
HIST 212	History of the Mexican-American	3
HIST 219*	History of the Far East	3
HIST 233	History of the Afro-American	3
HIST 235*	History of African Civilization	3
HIST 239	History of the Role of Woman	3

* If not used for required units.

HOSPITALITY

A.S., HOSPITALITY

Required Courses (28 units)		
HOSP 105*	Front Office Operations	3
HOSP 110*	Hospitality Marketing and Sales	3
HOSP 115*	Housekeeping Operations	3
HOSP 120*	Supervision in the Hospitality Industry	3
HOSP 125*	Hospitality Law	3
HOSP 130*	Food and Beverage Operations	3
HOSP 135*	Hospitality Security and Loss Prevention	3
HOSP 140*	Hospitality Training and Development Skills	3
WEXP 151/151L	Cooperative Work Experience Education - General	1-3
or WEXP 252/252L	Cooperative Work Experience Education - Occupational	(1-4)
Plus 4 units from the following:		
BUS 201A	Principles of Accounting	4
or BUS 201B	Principles of Accounting	(4)
BUS 251	Elements of Accounting	4
CIS 210	Introduction to Computer Applications	4
MATH 123	Elementary Algebra	5

* Completion of courses earns Hotel Lodging Association Hospitality certificates.

C.A., HOSPITALITY

Required Courses (24 units)		
HOSP 105	Front Office Operations	3
HOSP 110	Hospitality Marketing and Sales	3
HOSP 115	Housekeeping Operations	3
HOSP 120	Supervision in the Hospitality Industry	3
HOSP 125	Hospitality Law	3
HOSP 130	Food and Beverage Operations	3
HOSP 135	Hospitality Security and Loss Prevention	3
HOSP 140	Hospitality Training and Development Skills	3

INTERIOR DESIGN

A.A., INTERIOR DESIGN

Required Courses (47 units)		
ARCH 221	Design and Visual Communication I	4
CIS 210	Introduction to Computer Applications	4

CTCH 250	Introduction to Construction	3
ID 210	Interior Design	3
ID 212	Textiles	3
ID 215	Design Analysis and Color Theory	3
or FDM 215	Design Analysis and Color Theory	(3)
ID 217	Rendering & Rapid Visualization for Interior Design	3
ID 219	Interior Architectural Drafting	3
ID 220	Materials and Products of Interior Design	3
ID 222	Interior Space and Light Planning	3
ID 228	Residential and Commercial Interior Design	3
ID 234	AutoCAD for Interior Designers	3
ID 135	Professional Practices	3
ID 240	Design and History of Furniture: Ancient – 18th Century	3
ID 245	Design and History of Furniture: 18th – 20th Century	3
Plus 6 units from the following:		
ARCH 222	Design and Visual Communication II	4
ART 200	Art Appreciation	3
ART 221	Beginning Drawing	2-3
BUS 246	Retail Merchandising	3
BUS 248	Small Business Management	3
BUS 249	Entrepreneurship	4
BUS 286	Human Relations	3
CTCH 180A	Building Code 1, Architectural Design Provisions	3
FDM 240	Visual Merchandising and Display	3
ID 255	Interior Design: California Excursions	2
ID 260	Interior Design: European Excursions	2

C.A., INTERIOR DESIGN

Required Courses (47 units)		
ARCH 221	Design and Visual Communication I	4
CIS 210	Introduction to Computer Applications	4
CTCH 250	Introduction to Construction	3
ID 210	Interior Design	3
ID 212	Textiles	3
ID 215	Design Analysis and Color Theory	3
or FDM 215	Design Analysis and Color Theory	(3)
ID 217	Rendering & Rapid Visualization for Interior Design	3
ID 219	Interior Architectural Drafting	3
ID 220	Materials and Products of Interior Design	3
ID 222	Interior Space and Light Planning	3
ID 228	Residential and Commercial Interior Design	3
ID 234	AutoCAD for Interior Designers	3
ID 135	Professional Practices	3
ID 240	Design and History of Furniture: Ancient – 18th Century	3
ID 245	Design and History of Furniture: 18th – 20th Century	3
Plus 6 units from the following:		
ARCH 222	Design and Visual Communication II	4
ART 200	Art Appreciation	3
ART 221	Beginning Drawing	2-3
BUS 246	Retail Merchandising	3
BUS 248	Small Business Management	3
BUS 249	Entrepreneurship	4
BUS 286	Human Relations	3
CTCH 180A	Building Code 1, Architectural Design Provisions	3
FDM 240	Visual Merchandising and Display	3

INSTRUCTION

ID 55	Interior Design: California Excursions	2
ID 260	Interior Design: European Excursions	2

POLS 202	Government of the United States	3
LGL 217	Introduction to Law	3
SOC 201A	Introduction to Sociology	3
Plus 14 units from the following:		
BUS 201A	Principles of Accounting	4
BUS 201B	Principles of Accounting	4
BUS 218	Business Law	3
BUS 245	Introduction to Business	3
CIS 210	Introduction to Computer Applications	4
ECON 201B	Principles of Economics	3
MATH 147	Introduction to Statistics	4
or MATH 149	Statistics for Business	(5)
MATH 255	Calculus for Business and Management	3

INTERNATIONAL STUDIES

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

JOURNALISM

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

INSTRUCTION

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
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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
Plus 12 units from the following:		
ANTH 203	Cultural Anthropology	3
BUS 218	Business Law	3
ECON 201B	Principals of Economics	3
POLS 201	Introduction to Political Science	3
POLS 204	World Politics	3
POLS 206	Comparative Government	3
POLS 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 course work 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)

- All classes listed below transfer to CSU. Courses in BOLD also are transferable to UC. Refer to www.ASSIST.org for transfer details.

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 courses taken in an area of emphasis.

ELECTIVE UNITS:

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, 208, 211A, 215, 218, 248, 251
- ENGL (English) 201B, 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
- MUS (Music) 203A, 203B, 203C, 212, 220, 223, 225, 226, 227, 228, 229, 231, 232A, 233, 235, 237, 238, 239, 245, 246, 253, 255, 258, 259, 270

- PHIL (Philosophy) 205, 206, 209, 212, 213
- SPAN (Spanish) 201, 202, 203, 204
- SPCM (Speech) 201A, 202A, 210, 212, 215

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 tools. 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

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
- HIST (History) 203A, 203B, 204A, 204B, 207A, 207B, 208A, 208B, 210, 212, 219, 233, 235, 239
- 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.

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).

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 CAO 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
HEED 204	Standard First Aid and CPR	2
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

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 CAO 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

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)

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

MEDICAL ASSISTING

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
SOC 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
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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
Plus 6 units from the following:		
MUS 220	Elementary Voice	2
MUS 238	Music Appreciation: Jazz History	3
MUS 258	Elementary Piano	2
MUS 260	Jazz Piano Techniques	1-2

A.A., MUSIC PERFORMANCE

Required Courses (25 units)

MUS 203A	Music Theory	5
MUS 203B	Music Theory	5
MUS 203C	Music Theory/Counterpoint	3
MUS 212	Applied Music x 4	8
MUS 220	Elementary Voice	2
or MUS 258	Elementary Piano	(2)
MUS 234	Music Theory/Orchestrating, Scoring & Arranging	2
Plus 8 units from the following:		
MUS 206	Composing for Film and Video	3
MUS 222	Intermediate Voice	2
MUS 223	Vocal Jazz Ensemble	3
MUS 225	Wind Orchestra	2
MUS 226	Band	3
MUS 227	Instrumental Small Ensemble	1-3
MUS 228	Mixed Chorus	1-3
MUS 229	Chamber Singers	2
MUS 231	Jazz Ensemble	3
MUS 232A	Concert Jazz Ensemble	3
MUS 240	Recording Arts I	2
MUS 241	Recording Arts II	2
MUS 250	Music Theater Workshop	3
MUS 251	Music Theater Performance	3
MUS 255	Master Chorale	2
MUS 256	Orchestra	2
MUS 259	Intermediate Piano	2
MUS 262	Choral Music II Baroque	2
MUS 263	Choral Music III Romantic	2
MUS 264	Choral Music IV Modern	2

INSTRUCTION

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

INSTRUCTION**NURSING, REGISTERED****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 within and to graduate from the program in order to fulfill Designated Degree requirements.

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 Caring 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
HIST 207A	History of the United States	3
or HIST 207B	History of the United States	(3)
or POLS 202	Government of the United States	(3)
HUMANITIES	Any course meeting graduation requirements	3
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

or SPCM 210 Small Group Discussion (3)

* Courses required to be eligible to sit for boards, without a degree.

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 Caring 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
or SPCM 210	Small Group Discussion	(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
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PARALEGAL**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
CJ 206	Concepts of Criminal Law	3
or CJ 202	Introduction to Criminal Justice	(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)

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

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

Plus 4 units from the following Personal Fitness Courses:

PEAC 240	Swimming	.5-1
PEAC 264	Step Training	1
PEAC 265	Adult Fitness	.5-1
PEAC 266	Endurance Conditioning	.5-1
PEAC 268	Stretching Routines for Fitness and Sport	.5-1
PEAC 269	Circuit Weight Training	.5-1
PEAC 270	Weight Training	.5-1
PEAC 206	Pilates for Fitness and Health	.5-1
PEAD 200	Adapted Aquatics	1
PEAD 205	Adapted Fitness: Weight Training	.5-1

Plus 2 units from the following Skills Courses:

Any PEAT	Intercollegiate Athletics	1
DANC 254	Introduction to Dance	.5-1
DANC 255	Ballet	.5-1
DANC 256	Jazz Dance	.5-1
DANC 258	Dance Choreography and Performance	2
PEAC 241	Springboard Diving	.5-1
PEAC 242	Water Polo	.5-1
PEAC 250	Wrestling	.5-1
PEAC 281	Badminton	.5-1
PEAC 283	Golf	.5-1
PEAC 285	Tennis	.5-1
PEAC 291	Baseball	.5-1
PEAC 292	Basketball	.5-1
PEAC 295	Soccer	.5-1
PEAC 296	Softball	.5-1

Plus 3 units from the following:

HEED 206	Health Aspects of Drug Use	3
NUTR 210	Nutrition	3
PETH 203	Intramural and Recreational Sport Programming	3

Note: No Personal Fitness or Skill course can be counted more than once.

C.S., ATHLETIC TRAINING

Required Courses (14 units)

BIO 205	Human Anatomy	4
HEED 204	Standard First Aid and CPR	2
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

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

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
Plus 9 units from the following:		
ECON 201A	Principles of Economics	3
HIST 203A*	History of World Civilizations	3
HIST 203B*	History of World Civilizations	3
HIST 204A*	History of Western Civilization	3
HIST 204B*	History of Western Civilization	3
HIST 207A*	History of the United States	3
HIST 207B*	History of the United States	3
HIST 208A*	History of Latin America	3
HIST 208B*	History of Latin America	3
HIST 210*	History of California	3
HIST 212*	History of the Mexican-American	3
HIST 219*	History of the Far East	3
HIST 233*	History of the Afro-American	3
HIST 235*	History of African Civilization	3
HIST 239*	History of the Role of Women	3
PHIL 206	Introduction to Philosophy	3
or PHIL 208	Introduction to Logic	3
PSYC 206	Introduction to Social Psychology	3
SOC 206	Minority Group Relations	3

* No more than 6 units

PSYCHIATRIC TECHNICIAN

A.S., PSYCHIATRIC TECHNICIAN

Required Courses (69.5 units)

BIO 212	Human Biology	3
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FMST 212	Human Development: Life Span	3
PSYC 201	Introductory Psychology	3
PSYT 207	Nursing Sciences	18.5
PSYT 208	Care of the Developmentally Disabled	17
PSYT 209	Psychiatric Nursing	18.5
PSYT 110	Introduction to Psychiatric Technician	6.5

C.A., PSYCHIATRIC TECHNICIAN

Required Courses (60.5 units)

PSYT 207	Nursing Sciences	18.5
PSYT 208	Care of the Developmentally Disabled	17
PSYT 209	Psychiatric Nursing	18.5
PSYT 110	Introduction to Psychiatric Technician	6.5

PEAC 269	Circuit Weight Training	.5-1
PEAC 270	Weight Training	.5-1
PEAC 283	Golf	.5-1
PEAC 285	Tennis	.5-1
PEAC 291	Baseball	.5-1
PEAC 292	Basketball	.5-1
PEAC 295	Soccer	.5-1
PEAC 296	Softball	.5-1
PEAC 297	Volleyball	.5-1
PEAC 206	Pilates for Fitness and Health	.5-1

Note: Only one level per activity can be counted toward the completion of the 6 units.

PSYCHOLOGY

A.S., PSYCHOLOGY

Required Courses (15-16 units)

MATH 236	Introduction to Applied Statistics	3
or MATH 147	Introduction to Statistics	(4)
PSYC 201	Introduction to Psychology	3
PSYC 202	Introduction to Biological Psychology	3
PSYC 206	Introduction to Social Psychology	3
PSYC 233	Personality and Adjustment	3

Students who plan to transfer to a specific four-year college or university should consult the Catalog of that institution for lower division major requirements when selecting elective courses. Plus two courses 6-10 units from the following:

ANTH 201	Physical Anthropology	3
ANTH 203	Cultural Anthropology	3
BIO 201A	Biology	5
BIO 201B	Biology	5
BIO 211	Life Science	3
BIO 212	Human Biology	3
FMST 212	Human Development: Life Span	3
FAMST 214	Marriage and Family Relations	3
FMST 218	Human Sexuality	3
SOC 201A	Introduction to Sociology	3
SOC 206	Minority Group Relations	3

RECREATION

A.A., RECREATION ADMINISTRATION

Required Courses (31 units)

CIS 210	Introduction to Computer Applications	4
HEED 202	Health Education	3
or HEED 208	Multicultural Health Issues	(3)
HEED 204	Standard First Aid and CPR	2
MATH 147	Introduction to Statistics	4
PETH 203	Intramural and Recreational Sport Programming	3
PETH 204	Recreation Program Planning	3
PETH 207	Introduction to Recreation and Leisure Services	3
PETH 208	Recreation Leadership	3

Plus 6 units from the following:

PEAC 240	Swimming (Intermediate or Advanced Level)	.5-1
PEAC 254	Introduction to Dance	.5-1
PEAC 265	Adult Fitness	.5-1
PEAC 266	Endurance Conditioning	.5-1
PEAC 268	Stretching Routines for Fitness and Sport	.5-1

SOCIOLOGY

A.A., SOCIOLOGY

Required Courses (12 units)

SOC 201A	Introduction to Sociology	3
SOC 201B	Social Institutions	3
SOC 202	Social Problems	3
SOC 206	Minority Group Relations	3
or SOC 208	Introduction to Women's Studies	3

Plus 9-11 units from the following:

ANTH 203	Cultural Anthropology	3
ANTH 225	Contemporary Cultures of the World	3
ECON 201A	Principles of Economics	3
GEOG 202	Cultural Geography	3
POLS 204	World Politics	3
POLS 206	Comparative Government	3
HEED 203	Women's Health Issues	3
HEED 208	Multicultural Health Issues	3
HIST 204A	History of Western Civilization	3
HIST 204B	History of Western Civilization	3
HIST 207A	History of the United States	3
HIST 207B	History of the United States	3
HIST 208A	History of Latin America	3
HIST 208B	History of Latin America	3
HIST 210	History of California	3
HIST 212	History of the Mexican-American	3
HIST 219	History of the Far East	3
HIST 233	History of the Afro-American	3
HIST 235	History of African Civilization	3
HIST 239	History of the Role of Woman	3
MATH 236	Introduction to Applied Statistics	3
or MATH 147	Introduction to Statistics	(4)
or MATH 149	Statistics for Business	(5)
PHIL 206	Introduction to Philosophy	3
PHIL 208	Introduction to Logic	3
PHIL 209	World Religions	3
PSYC 201	Introduction to Psychology	3
PSYC 206	Introduction to Social Psychology	3
SOC 204	Introduction to Criminology	3

C.S., WOMEN'S STUDIES

Required Courses (3 units)

SOC 208	Introduction to Women's Studies	3
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Plus 12 units from the following:

ENGL 217	Literature by Women	3
FMST 215	Developmental Patterns of Women	3
HEED 203	Women's Health Issues	3
HIST 237	History of American Women	3

INSTRUCTION

HIST 239	History of the Role of Women	3
NUTR 218	Maternal & Child Nutrition	3

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

WELDING

A.S., WELDING TECHNOLOGY

Required Courses (28-32 units)

ENGL 201A	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.

C.A., WELDING TECHNOLOGY

Required Courses (26-30 units)

ENGL 256	College Reading and Writing	4
or ENGL 265	Basic Technical Communications	(4)
ENGR 226	Engineering Drawing I	4
MATH 007	Prealgebra	3
WELD 270A	Basic Welding	3-4
WELD 270B	Advanced Welding	3-4
WELD 270C	Welding: GMAW and GTAW	3-4F
WELD 277	Metal Fabrication	3
WELD 280	Welding Certification	3-4

C.S., WELDING TECHNOLOGY

Required Course (3-4 units)

WELD 280	Welding Certification	3-4
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TRANSFER

**TRANSFER TO THE CALIFORNIA STATE UNIVERSITY
(CSU) SYSTEM**

**TRANSFER TO THE UNIVERSITY OF CALIFORNIA (UC)
SYSTEM**

**INTERSEGMENTAL GENERAL EDUCATION TRANSFER
CURRICULUM (IGETC)**

TRANSFER

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 (P = 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 ^P	English Composition (4)
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[A3] CRITICAL THINKING

Select one (1) course from the following:

ENGL 201B ^P	English Composition: Intro to Literature (3)
ENGL 201C ^P	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)
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Chemistry

<u>201A^P</u>	General College Chemistry (5)
<u>201B^P</u>	General College Chemistry (5)
<u>210^P</u>	Introductory Chemistry (4)
<u>10^PFAL</u>	Introductory Chemistry Facilitator Assisted Learning (4)
<u>211^P</u>	Intro Organic/Biochemistry (4)
<u>212A^P</u>	Organic Chemistry (5)
<u>212B^P</u>	Organic Chemistry (5)

Geology

210 ^P	Physical Geology (4)
211 ^P	Historical Geology (4)
212	Geologic Hazards, Man, and the Environment (3)
220	Geology of California (3)

Oceanography

210 ^P	Oceanography (3)
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Physical Science

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

Physics

<u>205A^P</u>	General Physics (4)
<u>205B^P</u>	General Physics (4)
<u>208A^P</u>	Principles of Physics (5)
<u>208B^P</u>	Principles of Physics (5)
210 ^P	Introduction to Physics (3)

[B2] LIFE FORMS

Biology

<u>201A^P</u>	Biology (5)
<u>201B^P</u>	Biology (5)
<u>202^P</u>	General Botany (5)
<u>203^P</u>	General Zoology (5)
<u>204^P</u>	General Bacteriology (5)
<u>205</u>	Human Anatomy (4)
<u>206^P</u>	General Human Physiology (5)
<u>211</u>	Life Science (3)
212	Human Biology (3)
213	Genetics in Society (3)
<u>216</u>	Plants and People (4)
220	Environmental Biology (3)
<u>221</u>	General Ecology (4)

- 222 Introduction to Marine Science (3)
 224 Principles of Natural History (3)

Psychology

- 202^P Introduction to Biological Psychology (3)

[B3] LABORATORY ACTIVITY

Must be taken with or subsequent to corresponding course from B1 or B2.

Astronomy

- 210^L Astronomy Lab (1)

Physical Science

- 201^{AL} Physical Science Lab (1)

Biology

- 212^L Human Biology Lab (1)
 220^L Environmental Science Lab (1)
 222^L Introduction to Marine Science Lab (1)

Oceanography

- 210^L Oceanography (3)

[B4] MATHEMATICS/QUANTITATIVE REASONING

One course must be completed with a grade of "C" or better prior to transfer.

Mathematics

- 229^P Trigonometry (3)
 230^P Mathematics for the Humanities (3)
 231^P Trigonometry with Geometric Foundations (5)
 232^P College Algebra (3)
 236^P Introduction to Applied Statistics (3)
 242^P Precalculus Algebra (5)
 247^P Introduction to Statistics (4)
 255^P Calculus for Business and Management (3)
 265^A Analytic Geometry and Calculus (5)
 265^B Analytic Geometry and Calculus (5)
 283^P Calculus (4)
 287^P 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)
 222^P Intermediate Drawing (2-3)
 223^P Life Drawing (2-3)
 230^P Beginning Painting (2-3)
 231^P Intermediate Painting (2-3)
 232^P Watercolor Painting (2-3)

- 234^P Figure Painting (2-3)
 241^P Etching (3)
 244 Photography (2-3)
 245^P Intermediate Photography (2-3)
 246^P Camera Art (2)
 247 Film and Video Art (2)
 266^P Graphic Design (2-3)
 267^P Graphic Design (2-3)
 270 3-Dimensional Design (2-3)
 271 Beginning Sculpture (2-3)
 273^P Figure Sculpture (2-3)
 274^P Sculpture Foundry (2-3)
 280 Ceramics (2-3)
 281^P Ceramics (2-3)
 282^P Intermediate Ceramics (2-3)
 290^P 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)
 202^P 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)
 250^P 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)
 250^P Musical Theatre Workshop (3)
 253^P 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^P Intermediate American Sign Language (3)

Early Childhood Education

- 234^P Literature for Young Children (3)

English

- 205^P Introduction to Poetry (3)
 206^P Introduction to the Novel (3)
 207^P Introduction to the Short Story (3)
 208^P Introduction to Drama (3)
 212A^P American Literature (3)
 212B^P American Literature (3)

- 213^P Multicultural Voices in American Literature (3)
 215^P Shakespeare (3)
 216^P Literature and Film (3)
 217^P Literature by Women (3)
 231^P Creative Writing (3)
 244A^P European Literature (3)
 244B^P European Literature (3)
 246A^P Survey of British Literature (3)
 246B^P Survey of British Literature (3)

French

- 201 Elementary French (4)
 202^P French (4)
 203^P French (4)
 204^P French (4)

German

- 201 Elementary German (4)
 202^P German (4)
 203^P German (4)
 204^P 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)
 202^P Spanish (4)
 203^P Spanish (4)
 204^P 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^P 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

- 201 Physical Geography (3)
 202 Cultural Geography (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

- 202^P The Child, Family and Community (3)

Family Studies

- 202^P 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)

[D9] PSYCHOLOGY

Psychology

- 201A Introduction to Psychology Law (3)
 233 Personality and Adjustment (3)

[D0] 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>.

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

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" (2.0) 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.

^L Designates courses with a laboratory.

^P 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 232^{2P} College Algebra (3)

Math 236^{2P} Introduction to Applied Statistics (3)

Math 242^{2P} Precalculus Algebra (5)

Math 247^{2P} Introduction to Statistics (4)

Math 255^{2P} Calculus for Business & Management (3)

Math 265A^{2P} Analytic Geometry & Calculus (5)

Math 265B^P Analytic Geometry & Calculus (5)

Math 283^P Calculus (4)

Math 287^P Linear Analysis (5)

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 252	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 201B ^P	English Composition: Introduction to Literature (3)
English 205 ^P	Introduction to Poetry (3)
English 206 ^P	Introduction to the Novel (3)
English 207 ^P	Introduction to the Short Story (3)
English 212A ^P	American Literature (3)
English 212B ^P	American Literature (3)
English 213 ^P	Multicultural Voices in American (3)
English 215 ^P	Shakespeare (3)
English 216 ^P	Literature and Film (3)
English 217 ^P	Literature by Women (3)
English 244A ^P	European Literature (3)
English 244B ^P	European Literature (3)
English 246A ^P	Survey of British Literature (3)
English 246B ^P	Survey of British Literature (3)
*History 203A	History of World Civilization (3)
*History 203B	History of World Civilization (3)
*History 204A ¹	History of Western Civilization (3)
*History 204B ¹	History of Western Civilization (3)
*History 207A ¹	History of United States (3)
*History 207B ¹	History of United States (3)
*History 208A ¹	History of Latin America (3)
*History 208B ¹	History of Latin America (3)
*History 210 ¹	History of California (3)
*History 212 ¹	History of Mexican-American (3)
*History 219 ¹	History of the Far East (3)
*History 233 ¹	Afro-American History (3)
*History 235 ¹	History of African Civilization (3)
*History 237	History of American Women (3)
*History 239 ¹	History of the Role of Women (3)
Philosophy 205	Introduction to the Bible (3)
Philosophy 206	Introduction of Philosophy (3)
Philosophy 209	World Religions (3)
Philosophy 212	Philosophical Classics in Theory of Reality and of Knowledge (3)
Philosophy 213	Philosophical Classics in Ethics and Social Philosophy (3)

AREA 4 - SOCIAL AND BEHAVIORAL SCIENCES

At least three (3) courses from at least two (2) disciplines or an interdisciplinary sequence.

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 201A ^P	Principles of Economics (3)
Economics 201B	Principles of Economics (3)
Economics 211 ^P	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 203A	History of World Civilization (3)
*History 203B	History of World Civilization (3)
*History 204A ¹	History of Western Civilization (3)
*History 204B ¹	History of Western Civilization (3)
*History 207A ¹	History of United States (3)
*History 207B ¹	History of United States (3)
*History 208A	History of Latin America (3)
*History 208B ¹	History of Latin America (3)
*History 210 ¹	History of California (3)
*History 212 ¹	History of Mexican-American (3)
*History 219 ¹	History of Far East (3)
*History 233 ¹	Afro-American History (3)
*History 235 ¹	History of African Civilization (3)
*History 239 ¹	History of the Role of Women (3)
Legal 217	Introduction to Law (3)
Political Sci 201**	Introduction of 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 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 ^P	Astronomy (3)
Astronomy 210 ^{LP}	Astronomy Lab (3)
Chemistry 201A ^{LP}	General College Chemistry (5)

Chemistry 201B ^{LP}	General College Chemistry (5)
Chemistry 210 ^P	Intro to Chemistry (4)
Chemistry 210FAL ^P	Intro to Chemistry (FAL) (4)
Chemistry 211 ^{LP}	Introductory Organic Chemistry (4)
Chemistry 212A ^{2LP}	Organic Chemistry (5)
Chemistry 212B ^{LP}	Organic Chemistry (5)
Geology 210 ^{LP}	Physical Geology (4)
Geology 211 ^{LP}	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 ^{2P}	Introduction to Physics (3)

Oceanography

Oceanography 210	Oceanography (3)
Oceanography 210L	Oceanography Laboratory (1)

Psychology

Psychology 202	Introduction to Biological Psychology (3)
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Biological Science

Biology 201A ^{LP}	Biology (5)
Biology 201B ^{LP}	Biology (5)
Biology 202 ^{LP}	General Botany (5)
Biology 203 ^{LP}	General Zoology (5)
Biology 204 ^{LP}	General Bacteriology (5)
Biology 205 ^{LP}	Human Anatomy (4)
Biology 206 ^{LP}	General Human Physiology (5)
Biology 211 ^{2LP}	Life Science (3)
Biology 212	Human Biology (3)
Biology 212 ^{LP}	Human Biology Lab (1)
Biology 213	Genetics in Society
Biology 216 ^L	Plants and People (4)
Biology 220	Environmental Biology (3)
Biology 220 ^{LP}	Environmental Biology Lab (1)
Biology 221 ^L	Concepts of Ecology (4)
Biology 222	Introduction to Marine Science (3)
Biology 222 ^{LP}	Introduction to Marine Science Lab (1)
Biology 224 ^L	Principles of Natural History (3)

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.

American Sign Lang 215B ^P	American Sign Language II
French 201	Elementary French (4)
French 202 ^P	French (4)
German 201	Elementary German (4)
German 202 ^P	German (4)
Spanish 201	Elementary Spanish (4)
Spanish 202 ^P	Spanish (4)

NOTE: Additions to the IGETC list can be located on the ASSIST web site 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)

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)
FRANCO (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 (PEATH)
PHYSICAL EDUCATION THEORY (PETHRY)
PHYSICAL SCIENCE (PHYSICI)
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 targeted, historically high-risk, discipline courses. Students meet weekly with a Supplemental Instruction Leader for structured study: applying appropriate academic study strategies, 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.

Explores 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.

- 036 READING ESSENTIALS** (3.0)
(Formerly ACASK 36)
3.0 hours lecture per week
Associate Degree Non-Applicable
Advisory: ACASK 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
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.
Presents a 9-week basic word processing course. Emphasizes assistive 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.

019 INTRODUCTION TO COMPUTERS USING ASSISTIVE TECHNOLOGY (3.0)

(Formerly ACASK 119)

3.0 hours lecture per week

Associate Degree Non-Applicable

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.

022 INTRODUCTION TO THE INTERNET USING ASSISTIVE TECHNOLOGY (3.0)

(Formerly ACASK 122)

5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)

Associate Degree Non-Applicable

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.

025 COMPUTER ACCESS: ADAPTED WORD PROCESSING I (2.0)

(Formerly ACASK 125)

3.0 hours per week: (1.5 hours lecture, 1.5 hours laboratory)

Associate Degree Non-Applicable

Advisory: Ability to type 20 words per minute (depending upon nature of disability).

Introduces the use of microcomputer access technologies for students with physical or learning disabilities within the context of word processing.

028 COMPUTER ACCESS: WORD PROCESSING II (1.0 to 0.5)

(Formerly ACASK 128)

3.0 hours laboratory per week

Associate Degree Non-Applicable

Advisory: ACSK 025 or equivalent.

Continues ACSK 025. Enhances the student's skills through the completion of assignments or projects.

031 COMPUTER ACCESS: APPLICATIONS (2.0)

(Formerly ACASK 131)

3.0 hours per week: (1.5 hours lecture, 1.5 hours laboratory)

Associate Degree Non-Applicable

Advisory: MATH 003, ENGL 099, Ability to type 15 words per minute.

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.

040 DIAGNOSTIC TESTING FOR LEARNING DISABILITY (0.5)

(Formerly ACASK 140)

0.5 hours lecture per week

Associate Degree Non-Applicable

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.

047 INDEPENDENT STUDIES: ACADEMIC SKILLS (2.0 to 0.5)

(Formerly ACASK 147)

6.0 hours laboratory per week

Associate Degree Non-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 learning skills under the direction of an instructor. An appointment with a Disabled Student Programs and Services faculty member is strongly advised.

168 TUTOR TRAINING: SELECTED TOPICS (1.0 to 0.5)

(Formerly ACASK 168)

1.0 hours lecture per week

Associate Degree Applicable

Advisory: Eligibility for ENGL 156.

Provides specialized information and guided practice in designated topics or projects. Tutors gain expertise in subject areas not offered in other tutor training courses. An appointment with the Tutorial Services Coordinator prior to enrollment is strongly advised.

ADAPTED PHYSICAL ED.**200 ADAPTED AQUATICS (1.0)**

(Formerly PEADPT 100)

3.0 hours laboratory per week

Associate Degree Applicable

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. An appointment with a Disabled Student Programs and Services faculty member prior to enrollment is strongly advised.

Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, PEAC and PEAT courses).

205 ADAPTED FITNESS: WEIGHT TRAINING (1.0 to 0.5)

(Formerly PEADPT 105)

3.0 hours laboratory per week

Associate Degree Applicable

Provides an individualized fitness program for students with a disability using resistive exercises and equipment. An appointment with a Disabled Student Programs and Services faculty member prior to enrollment is strongly advised.

Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, PEAC and PEAT courses).

AG TECHNOLOGY**105 VINEYARD PRUNING (0.5)**

(Formerly AGTECH 5)

9.0 hours lecture per week

Associate Degree Applicable

Presents theory and field practice of pruning head, cane, and cordon vines. Includes training of young and mature vines.

110 PROPAGATION TECHNIQUES (0.5)

(Formerly AGTECH 10)

9.0 hours lecture per week

Associate Degree Applicable

Presents rootstock and "T" budding of older vines to change varieties. Examines pros and cons of various propagation techniques used in vineyards. Covers care of vines following budding.

115 VINEYARD IRRIGATION AND FERTILIZATION (1.0)

(Formerly AGTECH 15)

6.0 hours lecture per week

Associate Degree Applicable

Studies rootstocks and phylloxera concerns, water and nutrition needs, water application techniques, irrigation and fertilizer injection systems.

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

Presents 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)

(Formerly AGTECH 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 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

193A SOIL FERTILITY AND QUALITY IN CENTRAL COAST VITICULTURE (0.5)

(Formerly AGTECH 93A)

4.5 hours lecture per week

Associate Degree Applicable

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

ANTHROPOLOGY**201 PHYSICAL ANTHROPOLOGY (3.0)**

(Formerly ANTH 1)

3.0 hours lecture per week
Associate Degree Applicable*Advisory: ENGL 156.*

Presents an introduction to, and 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.*

Presents 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.*

Presents 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 INDIANS (3.0)**

(Formerly ANTH 20)

3.0 hours lecture per week
Associate Degree Applicable*Advisory: ENGL 156.*

Presents 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 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 of 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 and Completion of or concurrent enrollment in ARCH 232

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

Advisory: ARCH 242 and ENGR 225.

Presents the use of computer aided drafting and design software as a tool for generating construction drawings, 3D modeling and design presentations. This course provides an introduction to the use of Architectural Desktop and 3D Studio VIS as it applies to architectural practice.

Transfer: CSU.

242 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: CTCH 250, 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

Presents 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 inter-relationship of architectural form, function and light.

Transfer: CSU; UC (For UC, maximum credit of 18 units total between ARCH 201, 213, 221, 222, 251 and 252).

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

Advisory: Completion of or concurrent enrollment in ARCH 213 and ARCH 244. 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 hours 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 drawing techniques. Includes abstract diagramming, the use of color and the design of two-dimensional graphic communications with direct application in a community design charette.

Transfer: CSU.

ART

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 of-fering 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 prehis-toric to contemporary.

Transfer: CSU; UC.

203 SURVEY OF ART HISTORY: OLD STONE AGE THROUGH GOTHIC (3.0)

(Formerly ART 103)

3.0 hours lecture per week

Associate Degree Applicable

Advisory: Eligibility for ENGL 201A.

Presents the first of a three-semester course in the history of Western art. Includes cultural and historical background of Prehistoric (Paleolithic and Neolithic periods), Ancient Near Eastern, Egyptian, Aegean, Greek, Roman, and Medieval art traditions. Discusses and compares the cultural background of each of these artistic traditions.

Transfer: CSU; UC.

204 SURVEY OF ART HISTORY: RENAISSANCE THROUGH 19TH CENTURY (3.0)

(Formerly ART 104)

3.0 hours lecture per week

Associate Degree Applicable

Advisory: Eligibility for ENGL 201A.

Presents the second 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.

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.

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 reli-gions 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 hours lecture per week

Associate Degree Applicable

Advisory: ENGL 156.

Presents lectures and discussions concerning a specific topic in contem-porary 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 an overview of the art of drawing in an historical and contempo-rary context by introducing the basic practice and theories of drawing as a fine art. It introduces basic elements and principles of design, a variety of drawing media, and the use of drawing as a personal means of visual expression and communication.

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.

- 223 LIFE DRAWING** (3.0 to 2.0)
(Formerly ART 123)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Prerequisite: ART 222
Presents the fundamentals of anatomy and representation of the human form in various attitudes and movements. The skeleton and live models will be used.
Transfer: CSU; UC.
- 224 INTERMEDIATE LIFE DRAWING** (3.0 to 2.0)
(Formerly ART 124)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Prerequisite: ART 223
Continues ART 223 with an emphasis on personal interpretation and the use of the figure in composition.
Transfer: CSU; UC.
- 229 COLOR** (3.0)
(Formerly ART 129)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Advisory: ART 220.
Presents the physical nature of color and the theory of color. Studio projects explore primary systems, color properties, interaction, strategies and expressive qualities of color. Investigates the physiological, psychological, symbolic, and cultural aspects of color.
Transfer: CSU; UC.
- 230 BEGINNING PAINTING** (3.0 to 2.0)
(Formerly ART 130)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Prerequisite: ART 220 and Art 221
Introduces basic painting techniques, methods, materials and language, including color mixing, brushwork, and composition.
Transfer: CSU; UC.
- 231 INTERMEDIATE PAINTING** (3.0 to 2.0)
(Formerly ART 131)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Prerequisite: ART 230
Presents a continuation of ART 230 with an emphasis on contemporary issues in painting. Composition and content is also stressed.
Transfer: CSU; UC.
- 232 WATERCOLOR PAINTING** (3.0 to 2.0)
(Formerly ART 132)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Prerequisite: ART 220 and ART 221
Explores the fundamental techniques and creative use of aqueous media in painting on paper.
Transfer: CSU; UC.
- 233 INTERMEDIATE WATERCOLOR PAINTING** (3.0 to 2.0)
(Formerly ART 133)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Prerequisite: ART 232
Continues ART 232 with an emphasis on problem-solving, composition and development of personal style.
Transfer: CSU; UC.
- 234 FIGURE PAINTING** (3.0 to 2.0)
(Formerly ART 134)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Prerequisite: ART 223 and ART 230
Advisory: ART 224 and ART 231.
Introduces the fundamentals of painting from the human figure, the creative use of various painting media, and the figure in context.
Transfer: CSU; UC.
- 240 INTRODUCTION TO PRINT MEDIA** (3.0 to 2.0)
(Formerly ART 140)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Introduces a variety of print media including traditional historical printmaking practices such as relief, etching, and stencil. Includes contemporary print media such as photocopy, offset lithography, computer generated images and artists' books. Presents the art of printmaking in an historical and contemporary context.
Transfer: CSU; UC.
- 241 ETCHING** (3.0)
(Formerly ART 121)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Prerequisite: ART 221
Offers instruction and studio practice in etching and related intaglio printmaking techniques as well as the designing of images appropriate to these techniques.
Transfer: CSU; UC.
- 243 BOOK ARTS** (3.0 to 2.0)
(Formerly ART 143)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Prerequisite: ART 220
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.
Transfer: CSU.
- 244 PHOTOGRAPHY** (3.0 to 2.0)
(Formerly ART 144)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Advisory: Eligibility for ENGL 156.
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.
Transfer: CSU; UC.
- 245 INTERMEDIATE PHOTOGRAPHY** (3.0 to 2.0)
(Formerly ART 145)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Prerequisite: ART 244
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.
Transfer: CSU; UC.

- 246 CAMERA ART (2.0)**
(Formerly ART 146)
4.0 hours per week: (1.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: ART 244
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 non-linear 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
Prerequisite: ART 244 and ART 256
Introduces concepts and technical fundamentals of digital photography as an extension to traditional photography. Presents practices and techniques unique to digital photography through projects that emphasize personal expression, the infusion of content and composition. Emphasizes the practical and aesthetic issues of digital photography, care and use of digital cameras, and other equipment related to digital photography.
Transfer: CSU; UC.
- 150 MACINTOSH OPERATING SYSTEM (1.0)**
(Formerly ART 150)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Introduces 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.
- 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 (2.0)**
(Formerly ART 154)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Prerequisite: ART 253
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 of 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 the 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.
Presents 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.

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.

Presents 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 are in a historic 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.*

Presents the astronomy of planets, satellites, asteroids, comets, meteors, the sun, stars, and galaxies.

*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 165.*

Presents the principles of internal combustion engines encompassing design, construction, and application of engine components, including the ignition, cooling, lubricating, fuel systems, and engine tests and measurements.

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.

Presents a lecture and laboratory course covering theory and manipulative skills required for entry-level employment as an Engine Service Technician. Covers information needed to pass A.S.E. Automotive Technician Certification Test for Engine Service Specialist. Covers diagnosis removal, teardown, inspection, machining, reassembly, installation, and break-in of automotive engines.

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.*

Studies basic electrical theory, transistors and other semiconductors, as well as batteries, charging systems, cranking systems, lighting, vehicle wiring, and accessory systems.

160 AUTOMOTIVE ELECTRICAL ACCESSORIES (4.0)

(Formerly ATECH 60)

6.0 hours per week: (3.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable*Advisory: Eligibility for ENGL 156 or ENGL 165.*

Presents electrical and electronic testing, troubleshooting, and repair procedures on the modern vehicle. Covers body and accessory circuits, power options, instrumentation, and interfacing between engine and body control computers.

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.*

Studies automotive fuel systems including filters, tanks, lines, safety equipment, pumps, carburetors, and computer controlled carburetors.

*Transfer: CSU.***164 BASIC AREA CLEAN AIR CAR COURSE (4.0)**

(Formerly ATECH 64)

4.0 hours lecture per week
Associate Degree Applicable*Prerequisite: Minimum one year of trade experience in emissions/tune-up or 180 hours (9 semester units) of accredited training in tune-up, fuel and electrical courses.*

Covers the rules and regulations governing the Smog Check Program, inspection procedures using the BAR97 Emissions Inspection System (EIS), and an overview of Onboard Diagnostics II (OBDII). Successful completion of ATCH 164 meets a portion of the requirements for technicians seeking an Emission Basic (EB) or Emission Advanced (EA) Smog Check Technician License.

166 AUTOMOTIVE MAINTENANCE AND LIGHT REPAIR (2.0)

(Formerly ATECH 66)

3.0 hours per week: (1.5 hours lecture, 1.5 hours laboratory)
Associate Degree Applicable*Advisory: Eligibility for ENGL 156 or ENGL 165.*

Presents theory and practical application of safety inspections, battery service, oil and lubrication, cooling system, ignition system, brake inspection, wheel bearings and minor repairs.

168 AUTOMOTIVE REPAIR BUSINESS (3.0)

(Formerly ATECH 68)

3.0 hours lecture per week
Associate Degree Applicable*Advisory: Eligibility for ENGL 156 or ENGL 165.*

Introduces the many facets of operating an automotive repair business, including entrepreneurship, franchising, market analysis, physical facilities, financing, organization, taxes, insurance, bookkeeping, legal aspects. Material is covered from both the employee's and the employer's point of view.

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.

Presents 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.

Presents the fundamental operation, service, diagnosis, and repair of 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.

284 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.

*Transfer: CSU.***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: (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 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 hours 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 dynamometer 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 and CHEM 210 or high school chemistry with a grade of C or better
Advisory: ENGL 156.
Presents the principles of life and life processes with an emphasis on cellular structure, cellular chemistry, genetics, and life's origins and diversity.
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 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 lab course

Advisory: ENGL 156.

Studies Sierra ecosystems with emphasis on riparian and meadow habitats, Alpine and coniferous forest ecology and grandeur. Practices field study observations and techniques. Camping, food, and other expenses will be the responsibility of 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

Presents a lecture and field study course on the biology, ecology, and natural history of islands. Includes the study of their ecological and evolutionary history, including colonization and establishment of native plant and animal communities, human impacts, and preservation and conservation of island ecosystems. A field trip will reinforce and elaborate upon lecture material. Field techniques will also 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 physical activities such as snorkeling (gear will be provided) and hiking on and off trails over rugged terrain.

*Transfer: CSU.***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.

Presents a lecture and field study course on the ecology and natural history of the coast ranges. 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 national forest, Bureau of Land Management, and California state parks. 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 a moist, coastal environment and extensive hiking on and off trails from sea level to over 2000 feet over rugged terrain.

*Transfer: CSU.***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.

Presents a lecture and field study course on the ecology and natural history of Death Valley National Park (DVNP). Includes the study of its geological history, native plant and animal communities, human impacts on DVNP ecosystems, and the history and function of the National Park Service. A field trip to DVNP 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 hot deserts, high mountain elevations (8000+ feet), and extensive hiking on and off trails.

*Transfer: CSU.***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.

Introduces the non-biology major to the organization and evolution of life and the structure and function of living systems from cells to biomes. Utilizes the lecture and laboratory approach to instruction.

*Transfer: CSU; UC (For UC, no credit if taken after BIO 201A, 201B, 202, or 203).***212 HUMAN BIOLOGY****(3.0)**

(Formerly BIO 12)

3.0 hours lecture per week

Associate Degree Applicable

Advisory: ENGL 156.

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**Advisory: ENGL 156.*

Laboratory to accompany Human Biology (BIO 212), a general education course for non-biology majors and pre-health related fields. Provides an introduction to the biology of the human species, designed to create an awareness and understanding of the human body functions, human's place 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

Advisory: ENGL 156.

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

Designed for plant enthusiasts who do not have a strong science background. Includes the basic structure, physiology, reproduction, taxonomy, evolution, and ecology of plants. Discusses varied uses of plants by people of different cultures throughout history. Laboratory work includes setting up experiments, growing, and propagating plants. Students will also learn basic gardening techniques and how to design water-efficient sustainable gardens using California native plants.

*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.

Presents a study of biological concepts, processes, and organismal biology, including scientific methodology, metabolism, genetics, evolution and ecology. These concepts are used to assess environmental issues including human population growth, biodiversity, biological conservation, pollution, and resource and energy use.

*Transfer: CSU; UC.***220L ENVIRONMENTAL BIOLOGY LAB****(1.0)**

(Formerly BIO 20L)

3.0 hours laboratory per week

Associate Degree Applicable

*Prerequisite: Completion of or concurrent enrollment in BIO 220**Advisory: Eligibility for ENGL 201A.*

Presents an optional laboratory course designed to complement BIO 220,

Environmental Science. Applies and expands knowledge gained in BIO 220 through field trips, laboratory investigations, and special projects.

Transfer: CSU; UC.

221 GENERAL ECOLOGY (4.0)

(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 (3.0)

(Formerly BIO 22)

3.0 hours lecture per week

Associate Degree Applicable

Presents and integrates aspects of marine processes, organisms, and ecology. Provides a general overview of marine biology, research, and human impacts on marine environments.

Transfer: CSU; UC.

222L MARINE BIOLOGY LABORATORY (1.0)

(Formerly BIO 22L)

3.0 hours laboratory per week

Associate Degree Applicable

Prerequisite: Completion of or concurrent enrollment in BIO 222

Presents an applied, optional course designed to augment BIO 222, through laboratory and field investigations.

Transfer: CSU; UC.

224 PRINCIPLES OF NATURAL HISTORY (3.0)

(Formerly BIO 24)

5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)

Associate Degree Applicable

Advisory: ENGL 156.

Presents 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 (1.0)

(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 (1.0)

(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.

243 FACILITATOR ASSISTED LEARNING: BIOLOGY SEMINAR (0.5)

(Formerly BIO 43)

9.0 hours lecture per week

Associate Degree Applicable

Advisory: ENGL 156.

Develops interpersonal skills, understanding of the learning process, and effectiveness as a facilitator. Seminar prepares students to facilitate in their subject area.

Transfer: CSU.

244A FACILITATOR ASSISTED LEARNING PRACTICUM: ANATOMY (1.0)

(Formerly BIO 44A)

1.0 hours lecture per week

Associate Degree Applicable

Advisory: ENGL 156.

Provides practical applications of facilitator assisted learning (FAL) in small groups of anatomy students.

Transfer: CSU.

244B FACILITATOR ASSISTED LEARNING PRACTICUM: BIOLOGY (1.0)

(Formerly 44B)

1.0 hours lecture per week

Associate Degree Applicable

Prerequisite: Completion or concurrent enrollment in BIO 243

Advisory: ENGL 156.

Provides practical applications of facilitator assisted learning (FAL) in small groups of biology students.

Transfer: CSU.

247 INDEPENDENT STUDIES: BIOLOGY (2.0 to 0.5)

(Formerly BIO 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 biology under the direction of an instructor.

Transfer: CSU.

193 BIOLOGY SPECIAL TOPIC (4.0 to 0.5)

(Formerly BIO 93)

Associate Degree Applicable

Examines a special topic in the field of study related to the discipline offering this course.

193A SURVEY OF BIOTECHNOLOGY (3.0)

(Formerly BIO 93A)

3.0 hours lecture per week

Associate Degree Applicable

401 HSD NON-CREDIT BASIC SKILLS BIOLOGY (0.0)

(Formerly BIO 401)

20.0 hours per week: (15.0 hours lecture, 5.0 hours laboratory)

This is an elective course towards a high school diploma. Biology is aligned with the science content standards as established by the state of California. Biology is designed to inculcate the student with the living world and its systems. Concepts of Cell Biology, Genetics, Evolution and Physiology will be presented. Investigation and experimentation will be utilized in the biology laboratory component to promote technical lab competence, utilize the scientific processes of research and reporting, as well as teach and reinforce scientific concepts. Lab attendance and completion of biology lab reports are requirements.

BROADCAST COMMUNICATIONS**221 INTRODUCTION TO ELECTRONIC MEDIA (3.0)**

(Formerly BCST 21)

3.0 hours lecture per week
Associate Degree Applicable*Advisory: Eligibility for ENGL 156.*

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.

*Transfer: CSU.***223 VIDEO OPERATIONS (3.0)**

(Formerly BCST 23)

3.0 hours lecture per week
Associate Degree Applicable*Advisory: Eligibility for ENGL 156.*

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.

*Transfer: CSU.***224A AUDIO PRODUCTION (3.0)**

(Formerly BCST 24A)

5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable*Advisory: Eligibility for ENGL 156.*

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. Students will apply their knowledge to create audio productions in class and on the college radio station, KGUR 105.3 FM.(FT)

*Transfer: CSU.***224B ADVANCED AUDIO PRODUCTION (3.0)**

(Formerly BCST 24B)

7.0 hours per week: (1.0 hours lecture, 6.0 hours laboratory)
Associate Degree Applicable*Prerequisite: BCST 224A or equivalent*

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.

*Transfer: CSU.***224C ADVANCED AUDIO PRODUCTION (3.0)**

(Formerly BCST 24C)

7.0 hours per week: (1.0 hours lecture, 6.0 hours laboratory)
Associate Degree Applicable*Prerequisite: BCST 224B with a grade of C or better.**Advisory: Eligibility for ENGL 156.*

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. Provides some staff members for KGUR radio station.

*Transfer: CSU.***224D ADVANCED AUDIO PRODUCTION (3.0)**

(Formerly BCST 24D)

7.0 hours per week: (1.0 hours lecture, 6.0 hours laboratory)
Associate Degree Applicable*Prerequisite: BCST 224C with a grade of C or better**Advisory: Eligibility for ENGL 156.*

Builds upon the skills and techniques introduced in BCST 224C. Further develops production skills with the introduction of Digidesign Pro Tools mixdown and mastering techniques, and bouncing tracks. Air personality skills emphasized. Provides laboratory practice in the operation day-to-day operation of the campus radio stations. Provides some staff members for KGUR radio station.

*Transfer: CSU.***225A VIDEO STUDIO PRODUCTION (3.0)**

(Formerly BCST 25A)

7.0 hours per week: (1.0 hours lecture, 6.0 hours laboratory)
Associate Degree Applicable*Prerequisite: Completion of or concurrent enrollment in BCST 223*

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, switchers, the fundamentals of lighting, computer generated graphics, video control and recording.

*Transfer: CSU.***225B FIELD VIDEO PRODUCTION AND EDITING (3.0)**

(Formerly BCST 25B)

7.0 hours per week: (1.0 hours lecture, 6.0 hours laboratory)
Associate Degree Applicable*Prerequisite: Completion of or concurrent enrollment in BCST 223*

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.

*Transfer: CSU.***226 WRITING FOR ELECTRONIC MEDIA (3.0)**

(Formerly BCST 26)

3.0 hours lecture per week
Associate Degree Applicable*Prerequisite: ENGL 201A or equivalent with a grade of C or better*

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.

*Transfer: CSU.***227 PRINCIPLES OF RADIO BROADCAST PERFORMANCE (3.0 to 0.5)**

(Formerly BCST 27)

3.0 hours lecture per week
Associate Degree Applicable

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.

*Transfer: CSU.***230A TELEVISION INTERNSHIP (3.0)**

(Formerly BCST 30A)

9.0 hours laboratory by arrangement per week
Associate Degree Applicable

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 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 the 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.

BUSINESS

201A PRINCIPLES OF ACCOUNTING (4.0)

(Formerly BUS 1A)

4.0 hours lecture per week

Associate Degree Applicable

Advisory: Eligibility for ENGL 156 and MATH 123 or MATH 123SI.

Provides basic principles of accounting for service and merchandising enterprises. Includes an analysis of books of original and final entry, preparation of financial statements, deferrals and accruals, use of special journals and subsidiary ledgers, notes, allowance method for write-offs, inventory methods, methods of depreciating plant assets, and payroll systems.

Transfer: CSU; UC.

201B PRINCIPLES OF ACCOUNTING (4.0)

(Formerly BUS 1B)

4.0 hours lecture per week

Associate Degree Applicable

Prerequisite: BUS 201A

Provides accounting for partnerships and corporations. Includes consolidated statements, statement of changes in financial position, financial statement analysis, accounting for bonds, cost accounting, cost-profit-volume and differential analysis, and accounting for non-profit organizations.

Transfer: CSU; UC.

218 BUSINESS LAW (3.0)

(Formerly BUS 18)

3.0 hours lecture per week

Associate Degree Applicable

Advisory: Eligibility for ENGL 156.

Offers basic legal knowledge essential to business with emphasis on the laws of contract, sales, agency and employment, commercial paper, property, and secured transactions. Includes study of nature and background of American law, courts, and court procedures.

Transfer: CSU; UC (For UC, maximum credit of one course between BUS 218 and LGL 217).

219 INTERNATIONAL BUSINESS LAW (3.0)

(Formerly BUS 19)

3.0 hours lecture per week

Associate Degree Applicable

Advisory: ENGL 156.

Offers basic legal knowledge essential to business including study of nature and background of American law and courts and court procedures with emphasis on both domestic and international laws of contract, sales, agency, employment, business organizations, commercial paper, property, and dispute resolution.

Transfer: CSU; UC.

129 BUSINESS INTERNSHIP (3.0 to 1.0)

(Formerly BUS 29)

8.0 hours per week: (0.5 hours lecture, 7.5 hours laboratory)

Associate Degree Applicable

Prerequisite: 6 units of Business classes.

Provides students an opportunity to experience the responsibilities of an employee in a business setting related to their courses of study in business.

240 ADVERTISING (3.0)

(Formerly BUS 40)

3.0 hours lecture per week

Associate Degree Applicable

Prerequisite: BUS 243

Advisory: Eligibility for ENGL 156.

Introduces the student to the principles, purposes and practices of advertising; the importance of correct appeal, style, headline, typography, color,

layout, ethics; and other problems involved in the creation and evaluation of effective advertising. (No artistic ability required.)

Transfer: CSU.

241 SALES (3.0)

(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 (3.0)

(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 (3.0)

(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 (3.0)

(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 (2.0 to 0.5)

(Formerly BUS 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 business under the direction of an instructor.

Transfer: CSU.

248 SMALL BUSINESS MANAGEMENT (3.0)

(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 (4.0)

(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 (1.0)

(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 (4.0)

(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 (3.0)

(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 (3.0)

(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.

164 INTERNATIONAL TRADE RELATIONS (3.0)

(Formerly BUS 64)

3.0 hours lecture per week

Associate Degree Applicable

Advisory: ENGL 156.

Presents how domestic and foreign trade policy is established and discusses its impact on companies conducting international trade. Covers trade agreements, political systems, global monetary determinants and economic policies which facilitate or impede free market trade worldwide.

- 165 BASICS OF EXPORTING AND IMPORTING (2.0)**
(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 (2.0)**
(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 worldwide trade. Presents how TQM can be incorporated into company operations leading to continual performance improvements with a focus on the customer.
- 168 INTERNATIONAL MARKETING (3.0)**
(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 (0.5)**
(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 (0.5)**
(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 (0.5)**
(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 (0.5)**
(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 (0.5)**
(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 (0.5)**
(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 (0.5)**
(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 (0.5)**
(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 (0.5)**
(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 (0.5)**
(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 (0.5)**
(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 (3.0)**
(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).***101F 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 201B 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.

244 FACILITATOR ASSISTED LEARNING PRACTICUM: CHEMISTRY (1.0)

(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 (2.0 to 0.5)**

(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 (4.0 to 0.5)**

(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 (0.0)

(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 (0.0)**

(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(3.0)**

(Formerly CAO A 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 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.

120B INTERMEDIATE COMPUTER KEYBOARDING AND DOCUMENT PROCESSING (3.0)

(Formerly CAO A 20B)

5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)

Associate Degree Applicable

*Prerequisite: CAO A 120A or ability to type 30 words per minute**Advisory: CAO A 246 or CAO A 251A, CAO A 251B and CAO A 251C.*

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.

120S SPEED AND ACCURACY COMPUTER KEYBOARDING (2.0)

(Formerly CAO A 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 CAO A 120A.

Increases skills in typing speed and accuracy. Emphasizes keyboarding basics through keystoking analysis and corrective drills.

123 BUSINESS ENGLISH (3.0)

(Formerly CAO A 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 (1.0)

(Formerly CAO A 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 (3.0)

(Formerly CAO A 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, memorandums, 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 (4.0)

(Formerly CAO A 27)

4.0 hours lecture per week

Associate Degree Applicable

Prerequisite: CAO A 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 (3.0)**

(Formerly CAO A 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 (3.0)

(Formerly CAO A 29)

8.0 hours per week: (0.5 hours lecture, 7.5 hours laboratory)

Associate Degree Applicable

Prerequisite: Completion of or concurrent enrollment in CAO A 128

Provides students an opportunity to experience the responsibilities of an office employee in a business setting.

246 BEGINNING WORD PROCESSING MICROSOFT WORD (3.0)

(Formerly CAO A 46)

4.0 hours per week: (2.5 hours lecture, 1.5 hours laboratory)

Associate Degree Applicable

Prerequisite: Ability to type 35 words per minute

Introduces basic operations and components of a microcomputer and the Microsoft Word word processing program. Includes text entry, formatting, locating, editing, printing, fonts, writing tools, tabs, merging, headers/footers, and footnotes/endnotes.

Transfer: CSU.

147 INDEPENDENT STUDIES: COMPUTER APPLICATIONS/OFFICE ADMIN. (2.0 to 0.5)

(Formerly CAO A 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 CAO A 50)

4.0 hours per week: (2.5 hours lecture, 1.5 hours laboratory)

Associate Degree Applicable

Prerequisite: CAO A 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.

251A BEGINNING WORD PROCESSING MODULE I (1.0)

(Formerly CAO A 51A)

4.5 hours per week: (2.5 hours lecture, 2.0 hours laboratory)

Associate Degree Applicable

Prerequisite: CAO A 120B or ability to type 35 words per minute

Advisory: ENGL 156.

Introduces basic operations and components of a microcomputer and the word processing program. Includes text entry, editing, formatting, spell checking, and printing functions.

Transfer: CSU.

251B BEGINNING WORD PROCESSING MODULE II (1.0)

(Formerly CAO A 51B)

4.5 hours per week: (2.5 hours lecture, 2.0 hours laboratory)

Associate Degree Applicable

Prerequisite: CAO A 120B or ability to type 35 words per minute and CAO A 251A

or the basic knowledge of the word processing program

Advisory: ENGL 156.

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.

251C BEGINNING WORD PROCESSING MODULE III (1.0)

(Formerly CAO A 51C)

4.5 hours per week: (2.5 hours lecture, 2.0 hours laboratory)

Associate Degree Applicable

Prerequisite: CAO A 120B or ability to type 35 words per minute and CAO A 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.

252 COMPUTERIZED ACCOUNTING USING QUICKBOOKS PRO (3.0)

(Formerly CAO A 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.

153 ESSENTIALS OF MS PUBLISHER (2.0)

(Formerly CAO A 53)

2.0 hours lecture per week

Associate Degree Applicable

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 CAO A 54)

2.0 hours lecture per week

Associate Degree Applicable

Advisory: CAO A 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 CAO A 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 CAO A 60)

4.0 hours per week: (2.5 hours lecture, 1.5 hours laboratory)

Associate Degree Applicable

Prerequisite: CAO A 120A, CAO A 162 or ability to type 25 words per minute*Advisory:* ENGL 156.

Provides an overview of computer hardware, software, and operating system 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 CAO A 61)

4.0 hours per week: (2.5 hours lecture, 1.5 hours laboratory)

Associate Degree Applicable

Prerequisite: CAO A 162, CAO A 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, macros, databases, and charts. Learn to analyze, identify, and apply the principles needed to apply these various functions.

Transfer: CSU.**162 INTRODUCTION TO BEGINNING COMPUTER KEYBOARDING (1.0)**

(Formerly CAO A 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 CAO A 64)

4.0 hours per week: (2.5 hours lecture, 1.5 hours laboratory)

Associate Degree Applicable

Prerequisite: CAO A 162, CAO A 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 manipulating a database file and generating reports and labels. Create custom screens, work with multiple database files, and work with advanced command and report structures applying the knowledge and skills acquired in this course.

Transfer: CSU.**265 ADOBE INDESIGN: BUSINESS APPLICATIONS (3.0)**

(Formerly CAO A 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-oriented 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 CAO A 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 environment, using a browser to explore and search the World Wide Web.

Transfer: CSU.**167 POWERPOINT (1.0)**

(Formerly CAO A 67)

1.0 hours lecture per week

Associate Degree Applicable

Prerequisite: CAO A 162, CAO A 120A or ability to type 25 words per minute*Advisory:* Eligibility for ENGL 156.

Introduces the functions of the PowerPoint program, enabling the production of high-quality output for presentation to an audience. Includes delivering web presentations.

268 INTRODUCTION TO PHOTOSHOP: BUSINESS APPLICATIONS (3.0)

(Formerly CAO A 68)

3.0 hours lecture per week

Associate Degree Applicable

Advisory: CAO A 162, CAO A 120A or ability to type 25 words per minute.

Presents 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 CAO A 68A)

4.0 hours per week: (2.5 hours lecture, 1.5 hours laboratory)

Associate Degree Applicable

Prerequisite: CAO A 268

Continues the techniques CAO A 268 introduced to enhance fliers, newsletters, 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 CAO A 69)

5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)

Associate Degree Applicable

Advisory: CAO A 162 OR CAO A 120A or ability to type 25 words per minute and manage personal computer files. LIBT 207 and CAO A 268.

Introduces Web publishing using Macromedia Dreamweaver. Includes web design terms, techniques and publishing issues; use of Dreamweaver software 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 CAO A 70)

5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)

Associate Degree Applicable

Prerequisite: CAO A 269 or equivalent.*Advisory:* CAO A 268; CAO A 264; LIBT 207.

Presents 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 CAO A 70A)

4.5 hours per week: (2.5 hours lecture, 2.0 hours laboratory)

Associate Degree Applicable

Prerequisite: CAO A 162, CAO A 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 (1.0)

(Formerly CAO A 70B)

4.5 hours per week: (2.5 hours lecture, 2.0 hours laboratory)

Associate Degree Applicable

Prerequisite: CAO A 270A and CAO A 162, CAO A 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 (1.0)

(Formerly CAO A 70C)

4.5 hours per week: (2.5 hours lecture, 2.0 hours laboratory)

Associate Degree Applicable

Prerequisite: CAO A 270B and CAO A 162, CAO A 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 (3.0)

(Formerly CAO A 71)

5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)

Associate Degree Applicable

Advisory: CAO A 120A, CAO A 162 or CAO A 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 (1.0)

(Formerly CAO A 71A)

4.5 hours per week: (2.5 hours lecture, 2.0 hours laboratory)

Associate Degree Applicable

Prerequisite: CAO A 162, CAO A 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 (1.0)

(Formerly CAO A 71B)

4.5 hours per week: (2.5 hours lecture, 2.0 hours laboratory)

Associate Degree Applicable

Prerequisite: CAO A 271A and CAO A 162, CAO A 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 (1.0)

(Formerly CAO A 71C)

4.5 hours per week: (2.5 hours lecture, 2.0 hours laboratory)

Associate Degree Applicable

Prerequisite: CAO A 271B and CAO A 162, CAO A 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 (1.5)

(Formerly CAO A 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 (1.5)

(Formerly CAO A 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 (4.0 to 0.5)

(Formerly CAO A 93)

Associate Degree Applicable

Examines a special topic in the field of study related to the discipline offering this course.

193A LAW OFFICE PROCEDURES I (3.0)

(Formerly CAO A 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 (1.0)

(Formerly CAO A 93L)

3.0 hours lecture per week

Associate Degree Applicable

1930 DREAMWEAVER 4 WEB PUBLISHING (5.0)

(Formerly CAO A 93O)

5.0 hours lecture per week

Associate Degree Applicable

193P PHOTOSHOP ELEMENTS (1.5)

(Formerly CAO A 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 CAO A 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 CAO A 520B)

5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)

Advisory: CAO A 251A, CAO A 251B and CAO A 251C or CAO A 120A, CAO A 520A, CAO A 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 CAO A 520S)

4.0 hours per week: (1.0 hours lecture, 3.0 hours laboratory)

Advisory: Ability to type 20 words per minute or successful completion of CAO A 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 CAO A 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: CAO A 120A, CAO A 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 tech-

niques 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 programming computers using the Cobol 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 a course in programming computers 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 123SI or equivalent

Introduces programming skills necessary to create Microsoft Visual Basic desktop applications. Instructs how to build custom, multiple-form applications incorporating menus, status bars, and custom toolbars. Includes writing code for input field validation and debug applications using 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 commu-

nication, 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: ETCH 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: ETCH 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: ETCH 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: ETCH 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
Presents advanced routing concepts such as: the Interior Gateway Routing Protocol (IGRP), network security and traffic control using Access Control Lists, and Novell's IPX internetworking protocol. It also covers LAN switch configuration and technology, Virtual LANs, and the principles of Local Area Network design.
Transfer: CSU; UC (For UC, both CIS 262 and 263 must be completed in order to receive transfer units).
- 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
Presents concepts and protocols related to Wide Area Network (WAN) management and design. Detailed coverage is devoted to the Point-to-Point Protocol (PPP), Frame Relay, ISDN, DSL, Leased Lines (T1/T3), and Virtual Private Networks (VPNs). Hierarchical WAN design techniques are used in the completion of a Threaded Case Study (TCS).
Transfer: CSU; UC (For UC, both CIS 262 and 263 must be completed in order to receive transfer units)..
- 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.
Conducts a comprehensive examination of the types of attacks launched against networks and computer system. Teaches students how to use network security products, operating system security features, and other hardware/software based tools to counter these threats.
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: CAO A 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 data, 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 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.
- CONSTRUCTION TECHNOLOGY**
- 247 INDEPENDENT STUDIES: CONSTRUCTION TECHNOLOGY (2.0 to 0.5)**
(Formerly CTECH 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 construction technology area with support and direction from an instructor.
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.
Presents the use and application of construction processes and materials for residential, commercial, heavy and highway construction. Covers topics such as elements of city planning, contracting, designing, construction finance, and real estate principles.
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
Presents the application of power and hand tools to the mill and cabinet trade. Examines types of woods, both hard and soft. Deals with methods of fastening and types of fasteners and joints. Emphasizes general power tools such as table saw, jointer, planer, drill press, sander, shaper and lathe. Safety, capabilities and techniques are covered.
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: CTCH 255
Presents the study, design, and development of practical applications for basic furniture cabinet, table, and chair construction as utilized by 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.
- 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: CTCH 255
Introduces European 32mm production methods as used in cabinetmak-

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: CTCH 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 CTCH 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: CTCH 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: CTCH 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: CTCH 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: CTCH 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)

12.0 hours laboratory per week

Associate Degree Applicable

Prerequisite: CTCH 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: CTCH 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: CTCH 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, 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: CTCH 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: CTCH 173A

Provides an opportunity to develop speed and skill in framing roof systems, stair systems and specialized structural systems.

174A HOMEBUILDING - FINISH CARPENTRY I (3.0)

(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 (2.0)

(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 (3.0)

(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 (3.0)

(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 (3.0)

(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 (3.0)

(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, exiting, 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 (3.0)

(Formerly CTECH 80B)

3.0 hours lecture per week

Associate Degree Applicable

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 (3.0)

(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 (3.0)

(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 (4.0)

(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 (4.0)

(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
- 193F STRAW BALE CONSTRUCTION (2.0)**
(Formerly CTECH 93F)
12.0 hours laboratory per week
Associate Degree Applicable
- 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)
Presents the application of power and hand tools to the mill and cabinet trade. Examines types of woods, both hard and soft. Deals with methods of fastening and types of fasteners and joints. Emphasizes general power tools such as table saw, jointer, planer, drill press, sander, shaper and lathe. Safety, capabilities and techniques are covered.
- 568 RESIDENTIAL PLUMBING (0.0)**
(Formerly CTECH 568)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Introduces basic residential plumbing theory, 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.
Introduces basic residential wiring skills. Includes basic electrical theory, installation techniques, basic plan reading, estimating and wiring 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.
- 571A HOMEBUILDING - LAYOUT AND CONCRETE I (0.0)**
(Formerly CTECH 571A)
12.0 hours per week: (4.0 hours lecture, 8.0 hours laboratory)
Advisory: CTCH 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.
- 571B HOMEBUILDING - LAYOUT AND CONCRETE II (0.0)**
(Formerly CTECH 571B)
12.0 hours laboratory per week
Prerequisite: CTCH 171A, CTCH 571A or consent of instructor
Provides instruction to develop speed and skill through repetition and increasing responsibility for employment in building layout and concrete construction.
- 572A HOMEBUILDING - FLOOR AND WALL FRAMING (0.0)**
(Formerly CTECH 572A)
12.0 hours per week: (4.0 hours lecture, 8.0 hours laboratory)
Advisory: CTCH 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.
- 572B HOMEBUILDING - FLOOR AND WALL FRAMING II (0.0)**
(Formerly CTECH 572B)
12.0 hours laboratory per week
Prerequisite: CTCH 172A, CTCH 572A or consent of instructor
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, roof sheathing, and fireplaces.
- 573A HOMEBUILDING - ROOF FRAMING I (0.0)**
(Formerly CTECH 573A)
12.0 hours per week: (4.0 hours lecture, 8.0 hours laboratory)
Advisory: CTCH 250.
Introduces types of roof and stair systems, roofing, estimating live and dead loads, and specialized structural systems.
- 573B HOMEBUILDING - ROOF FRAMING II (0.0)**
(Formerly CTECH 573B)
12.0 hours laboratory per week
Prerequisite: CTCH 173A, CTCH 573A or consent of instructor
Provides an opportunity to develop speed and skill and framing roof systems, stair systems and specialized structural systems.
- 574A HOMEBUILDING - FINISH CARPENTRY I (0.0)**
(Formerly CTECH 574A)
12.0 hours per week: (4.0 hours lecture, 8.0 hours laboratory)
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.
- 574B HOMEBUILDING - FINISH CARPENTRY II (0.0)**
(Formerly CTECH 574B)
12.0 hours laboratory per week
Advisory: CTCH 174A or CTCH 574A.
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.

COUNSELING**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 123SI 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.

254 CAREER EXPLORATION (1.0)

(Formerly COUNS 54)

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.***156 STUDENT SUCCESS (1.0)**

(Formerly COUNS 56)

2.0 hours lecture per week
Associate Degree Applicable*Advisory: ENGL 156.*

Prepares students for a successful college experience. College skills will include the understanding of campus/community diversity, communication, financial planning for college, utilizing campus/community resources, setting educational priorities to include looking at major and certificate programs, and understanding of college rules, regulations, and policies.

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.***CRIMINAL JUSTICE****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.***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/ recording 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

Advisory: ENGL 156.

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.***247 INDEPENDENT STUDIES: CRIMINAL JUSTICE (2.0 to 0.5)**

(Formerly CJ 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 of criminal justice under the direction of an instructor.

*Transfer: CSU.***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**COURSES****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, broths, sauces, gravies, 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.

230 MEAT, POULTRY, AND SEAFOOD ANALYSIS AND PRODUCTION (1.5)

(Formerly CULART 30)

6.0 hours per week: (1.5 hours lecture, 4.5 hours laboratory)

Associate Degree Applicable

*Prerequisite: CUL 220**Co-requisite: CUL 235*

Engages the student in the practical kitchen application and cooking methods for major cuts of beef, pork, poultry, and seafood.

*Transfer: CSU.***235 INTERMEDIATE BAKING (1.0)**

(Formerly CULART 35)

4.0 hours per week: (1.0 hours lecture, 3.0 hours laboratory)

Associate Degree Applicable

*Prerequisite: CUL 125**Co-requisite: CUL 230*

Engages the student in the skills necessary for the production of cakes, tortes, French pastries, and petit fours utilizing commercial baking techniques.

*Transfer: CSU.***240 GARDE MANGER (1.0)**

(Formerly CULART 40)

4.0 hours per week: (1.0 hours lecture, 3.0 hours laboratory)

Associate Degree Applicable

*Prerequisite: CUL 230**Co-requisite: CUL 243 AND CUL 145*

Engages the student in a comprehensive study of the skills necessary for the preparation of cold buffets. The course focuses on "hands-on" experience in the production of aspic jellies, terrines, galantines, salads, garnishes, chaud froid sauces, forcemeats, pates, gelatins, sausages, mousses, brines, dry cures, marinades, smoked meats, poultry and fish, salt dough display pieces, vegetable flowers, and buffet table and tray centerpieces using fruits and vegetables and ice sculptures.

*Transfer: CSU.***243 INTERNATIONAL CUISINE (0.5)**

(Formerly CULART 43)

2.0 hours per week: (0.5 hours lecture, 1.5 hours laboratory)

Associate Degree Applicable

*Prerequisite: CUL 230**Co-requisite: CUL 240 AND CUL 145*

Engages the student in gourmet international food preparation applied to restaurants. Explores customs, serving styles, and preparation techniques of foods unique to selected international cultures. Cultures to include, but not limited to: Italian, German, French, Asian, Middle Eastern, and Latin.

Transfer: CSU.

- 145 ADVANCED PASTRY ARTS (1.0)**
(Formerly CULART 45)
4.0 hours per week: (1.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: CUL 235
Co-requisite: CUL 240 AND CUL 243
Engages the student in the advanced techniques of classical and modern pastry. Emphasis on advanced professional bakeshop operations. Cakes, pastries, meringues, chocolates and sauces are created and displayed, using different theories of plate design. Hands-on experience in the production and display of pastillage, croquant, marzipan, and royal icing.
- 149 VEGETARIAN CUISINE (1.0)**
(Formerly CULART 49)
22.0 hours per week: (16.0 hours lecture, 6.0 hours laboratory)
Associate Degree Applicable
Engages the student in gourmet vegetarian food preparation, focusing on food service applications. Explores the history of vegetarianism worldwide, nutrition and health implications, ingredient selection, and preparation and cooking techniques of a wide variety of vegetarian diets.
- 193 CULINARY ARTS SPECIAL TOPIC (4.0 to 0.5)**
(Formerly CULART 93)
Associate Degree Applicable
Examines a special topic in the field of study related to the discipline offering this course.
- DANCE**
- 225 DANCE IMPROVISATION AND COMPOSITION (1.0)**
(Formerly DANCE 25)
3.0 hours laboratory per week
Associate Degree Applicable
Exploration and development of improvisational and composition skills for the craft of choreography.
Transfer: CSU; UC.
- 228 SOCIAL DANCE FORMS (1.0)**
(Formerly DANCE 28)
3.0 hours laboratory per week
Associate Degree Applicable
Introduction to social dance techniques. Instruction and practice to include Swing, Cha Cha, Waltz, Fox Trot, Rhumba and Tango dances.
Transfer: CSU; UC.
- 249 DANCE ENSEMBLE (3.0 to 0.5)**
(Formerly DANCE 49)
9.0 hours laboratory per week
Associate Degree Applicable
Prerequisite: By audition or consent of instructor
Advisory: One semester of dance technique in ballet, jazz, or modern recommended.
A laboratory course providing instruction in various dance techniques, choreography, music collaboration, make-up, costume construction, light design, and set construction, cumulating in an informal dance performance. Requires rehearsal.
Transfer: CSU; UC.
- 250 DANCE HISTORY OF THE 20TH CENTURY (3.0)**
(Formerly DANCE 50)
3.0 hours lecture per week
Associate Degree Applicable
A study of 20th century social and theatrical dance forms in the context of western societies with an emphasis on American dance. Influential choreographers, dancers and theorists will be discussed.
Transfer: CSU; UC.
- 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; UC.***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.***DENTAL HYGIENE****110 ORAL BIOLOGY****(3.0)**

(Formerly DH 10)

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.

- 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
Co-requisite: DH 125
Provides an expanded learning opportunity to discuss actual clinic patient case types 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
Co-requisite: 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
Co-requisite: 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 132
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 toxicology. Builds on basic and dental sciences and prepares for clinical dental hygiene practice.
- 132 DENTAL MATERIALS (2.0)**
(Formerly DH 32)
3.0 hours 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 133
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 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 130 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 130 and/or admission to the dental hygiene program
Corequisite: DH 142
Teaches office practice management and business matters relating to dental hygiene practice. Explores dental specialties, job preparation, career opportunities and strategies for stress management.
- 142 CLINICAL PRACTICE III (4.0)**
(Formerly DH 42)
12.0 hours laboratory per week
Associate Degree Applicable
Prerequisite: DH 130 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 130 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 cur-

rent 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 camera 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 successful 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, publicity, 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.

Presents practical experience in the creation of a production company, within the class, whose objectives are the casting, rehearsal, and public performance of live theatre.

*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 theater 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

EARLY CHILDHOOD EDUCATION**201 CHILD GROWTH AND DEVELOPMENT (3.0)**

(Formerly ECE 1)

3.0 hours lecture per week

Associate Degree Applicable

Prerequisite: ENGL 156

Presents a study of human development from conception to adolescence. Examines cognitive, language, physical, social, and emotional development, both typical and atypical. Fosters the understanding of human behavior 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 differences. Focuses on the developing child and emphasizes the influences of family and community. Same as FMST 202. Meets Title XXII requirements, 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/manipulatives, 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 community in meeting the health, safety, and nutritional needs of the young

child. Referral procedures to utilize community resources will be explored. Meets 3 units required for the Child Development Permit and Title XXII requirements: DS 3.

Transfer: CSU.

205 PRINCIPLES AND PRACTICES OF TEACHING YOUNG CHILDREN (3.0)

(Formerly ECE 5)

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 (3.0)

(Formerly ECE 6)

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 (3.0)

(Formerly ECE 7)

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 (3.0)

(Formerly ECE 8)

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 101216B 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 (3.0)

(Formerly ECE 9)

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.

210 PRACTICUM: CURRICULUM AND ENVIRONMENT (4.0)

(Formerly ECE 10)

10.0 hours per week: (1.0 hours lecture, 9.0 hours laboratory)

Associate Degree Applicable

Prerequisite: ECE 208 and Department of Social Services Title XXII, Section 101215B requires current TB clearance

Corequisite: ECE 209

Applies principles of behavior and development which help to meet the needs of young children individually and in group settings. Includes theories of play, creativity, and concept development in planning, providing and evaluating the preschool program. Provides supervised practical experience in a preschool program. Meets Title XXII requirements: DS 3.

Transfer: CSU.

211 MUSIC AND MOVEMENT ACTIVITIES FOR YOUNG CHILDREN (3.0)

(Formerly ECE 11)

3.0 hours lecture per week

Associate Degree Applicable

Advisory:

Eligible for ENGL 156.

Presents techniques and guidelines for teaching movement exploration, physical education, and music to the preschool through third grade child. Examines the child's need for effective movement skills and musical experiences. Meets Title XXII requirements: DS 3, DS 5.

Transfer: CSU.

214 PREKINDERGARTEN LEARNING & DEVELOPMENT GUIDELINES (0.5)

(Formerly ECE 14)

9.0 hours lecture per week

Associate Degree Applicable

Presents the Prekindergarten Learning and Development Guidelines developed by the California Department of Education. The Guidelines represent the best practices as defined by NAEYC for education appropriate for children ages' three through five, including children with disabilities and other special needs.

213 INTRODUCTION TO THE TEACHING PROFESSION (3.0)

(Formerly FAMST 11)

5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)

Associate Degree Applicable

Advisory: ENGL 156.

Provides a minimum of 45 hours of supervised observation and participation in cooperating public schools. Discussion focuses on instructional practice and subject matter taught in the grades observed, as well as the historical, philosophical and social foundations of American public education. Examines opportunities, requirements, responsibilities, new directions, and rewards in teaching. Places students in a more informed position regarding the decision to pursue a career in education.

Transfer: CSU; UC.

215 TEACHING IN A DIVERSE SOCIETY (3.0)

(Formerly ECE 15)

3.0 hours lecture per week

Associate Degree Applicable

Prerequisite: Eligibility for ENGL 156

Examines the major social, economic, and psychological processes involved in interactions and relationships as related to differences in personal and group characteristics and how these processes impact work with young children and their families in early education programs. Various approaches will be explored, with emphasis on an anti-bias approach. Self examination, reflection and integration of practices to promote equity and deepen understanding of how to best support children as they gain a sense of identity and become respectful and confident members of our complex, diverse society.

Transfer: CSU.

- 220 ART FOR CHILDREN (3.0)**
(Formerly ECE 20)
3.0 hours lecture per week
Associate Degree Applicable
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.
Transfer: CSU.
- 222 CRAFTS FOR SCHOOL AGE CHILDREN (3.0)**
(Formerly ECE 22)
3.0 hours lecture per week
Associate Degree Applicable
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.
Transfer: CSU.
- 234 CHILDREN'S LITERATURE (3.0)**
(Formerly ECE 34)
3.0 hours lecture per week
Associate Degree Applicable
Prerequisite: ENGL 201A
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.
Transfer: CSU.
- 135 STRATEGIES FOR CHALLENGING BEHAVIORS IN THE ECE CLASSROOM (3.0)**
(Formerly ECE 35)
3.0 hours lecture per week
Associate Degree Applicable
Introduces the biological and environmental risks associated with prenatal, perinatal, and postnatal brain development and the behavioral, psychological and cognitive implications for Early Childhood Education teachers. Presents strategies for dealing with challenging behaviors in the Early Childhood Classroom that result from cultural differences and/or difficulties with self-regulation, motivation, and sensory processing.
- 236 UNDERSTANDING THE CHILD WITH SPECIAL NEEDS (3.0)**
(Formerly ECE 36)
3.0 hours lecture per week
Associate Degree Applicable
Examines the characteristics of children with special needs and how to effectively meet their individual needs. Presents the identification, educational needs, behavior management, family relationships, children's rights and community resources of/for the child with special needs.
Transfer: CSU.
- 241 INTERNSHIP (3.0)**
(Formerly ECE 41)
7.0 hours per week: (1.0 hours lecture, 6.0 hours laboratory)
Associate Degree Applicable
Prerequisite: ECE 210, an interview and Department of Social Services Title XXII, Section 101216B requires current TB clearance.
Provides selected advanced students an opportunity to experience the responsibilities of being intern staff members in a preschool program. Meets Title XXII requirements: DS 3.
Transfer: CSU.
- 242 INFANT-TODDLER CAREGIVING (3.0)**
(Formerly ECE 42)
3.0 hours lecture per week
Associate Degree Applicable
Presents theories, techniques, and guidelines for the appropriate care, nurturing and guidance of infants and toddlers. Examines the materials, equipment and activities appropriate for children from infancy through age three. Examines the special needs of infants and toddlers with regard to health and safety, nutrition, rest and toileting. Meets Title XXII requirements: DS 4.
Transfer: CSU.
- 242A INFANT-TODDLER CAREGIVING MODULE I (0.5)**
(Formerly ECE 42A)
9.0 hours lecture per week
Associate Degree Applicable
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.
Transfer: CSU.
- 242B INFANT-TODDLER CAREGIVING MODULE II (0.5)**
(Formerly ECE 42B)
9.0 hours lecture per week
Associate Degree Applicable
Presents theories, techniques, and guidelines for the appropriate care, nurturing and guidance of infants and toddlers. Examines play as curriculum, development of attachment, implications of early brain development, and adult caregiving roles.
Transfer: CSU.
- 242C INFANT-TODDLER CAREGIVING MODULE III (0.5)**
(Formerly ECE 42C)
9.0 hours lecture per week
Associate Degree Applicable
Presents theories, techniques, and guidelines for the appropriate care, nurturing and guidance of infants and toddlers. Examines the development of perception and motor skills.
Transfer: CSU.
- 242D INFANT-TODDLER CAREGIVING MODULE IV (0.5)**
(Formerly ECE 42D)
9.0 hours lecture per week
Associate Degree Applicable
Presents theories, techniques, and guidelines for the appropriate care, nurturing and guidance of infants and toddlers. Examines the development of cognition, the development of language and communication and their importance in the development of the brain. Explores the impact of culture on communication and special considerations for special needs children.
Transfer: CSU.
- 242E INFANT-TODDLER CAREGIVING MODULE V (0.5)**
(Formerly ECE 42E)
9.0 hours lecture per week
Associate Degree Applicable
Presents theories, techniques, and guidelines for the appropriate care, nurturing and guidance of infants and toddlers. Examines the development of emotions and social skills. Explores the development of self esteem, fears, trust, security, and autonomy. Presents guidance techniques appropriate for infants and toddlers.
Transfer: CSU.
- 242F INFANT-TODDLER CAREGIVING MODULE VI (0.5)**
(Formerly ECE 42F)
9.0 hours lecture per week
Associate Degree Applicable

Presents theories, techniques, and guidelines for the appropriate care, nurturing and guidance of infants and toddlers. Examines the physical environment: equipment, safety, and group size. Explores the social environment: culture and self image, parental background and cultural perspectives, communication between parent and caregiver, and staff development.

Transfer: CSU.

244 SUPERVISION AND ADMINISTRATION OF PARENT PROGRAMS (3.0)

(Formerly ECE 44)

3.0 hours lecture per week

Associate Degree Applicable

Prerequisite: ECE 205 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.

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

Presents principles and practices in staff relations and the supervision and evaluation of staff in early childhood programs. Includes the study of the method of clinical supervision and performance evaluation, leadership styles, group dynamics, conflict resolution, staff development, staff diversity, staff roles and responsibilities. Meets Title XXII requirements: DS 6 Advanced

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 pre-schools, 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.

- 257 DEVELOPING THE LEARNING ENVIRONMENT: PROGRAM AND CURRICULUM (3.0)**
(Formerly ECE 57)
3.0 hours lecture per week
Associate Degree Applicable
Presents methodology used in planning, presenting and evaluating developmentally appropriate curriculum used in early childhood education. Meeting group and individual needs in the areas of play, science, social studies, music, movement, nutrition, language, literature, and creative expression will be explored. Presents criteria for the identification and selection of materials and equipment used in the classroom.
Transfer: CSU.
- 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.
- 260 FAMILY CHILD CARE SEMINAR (3.0 to 0.5)**
(Formerly ECE 60)
3.0 hours lecture per week
Associate Degree Applicable
Examines current issues in child care affecting children from infancy through age 12 in Family Child Care, center based care or out-of-school care.
Transfer: CSU.
- 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.
- 166 FAMILY CHILD CARE: FOCUS ON THE FAMILY (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 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 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 children in care. Topics include: principles of child development, creating learning environments, planning developmentally appropriate activities, child guidance techniques and quality care indicators for family child care.
- 193 EARLY CHILDHOOD EDUCATION SPECIAL TOPIC (4.0 to 0.5)**
(Formerly ECE 93)
Associate Degree Applicable
Examines a special topic in the field of study related to the discipline of offering this course.
- 193B CRAFTS FOR SCHOOL AGE CHILDREN (3.0)**
(Formerly ECE 93B)
3.0 hours lecture per week
Associate Degree Applicable
- 193C EARLY LITERACY FOR CHILDREN: EARLY STEPS TO READING SUCCESS (1.0)**
(Formerly ECE 93C)
2.0 hours lecture per week
Associate Degree Applicable
- 193D EARLY LITERACY FOR CHILDREN: EARLY STEPS TO READING SUCCESS (1.0)**
(Formerly ECE 93D)
3.0 hours per week: (2.0 hours lecture, 1.0 hours laboratory)
Associate Degree Applicable
- 193E EARLY LITERACY FOR CHILDREN: EARLY STEPS TO READING SUCCESS (1.0)**
(Formerly ECE 93E)
2.0 hours lecture per week
Associate Degree Applicable
- 193F PREKINDERGARTEN LEARNING & DEVELOPMENT GUIDELINES (0.5)**
(Formerly ECE 93F)
9.0 hours lecture per week
Associate Degree Applicable
- 193G SCHOOL-AGE CHILD CARE (3.0)**
(Formerly ECE 93G)
3.0 hours lecture per week
Associate Degree Applicable
- 193H FAMILY CHILD CARE: BOOKKEEPING PRACTICES (0.5)**
(Formerly ECE 93H)
4.5 hours lecture per week
Associate Degree Applicable

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
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 anti-trust 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 EDSE 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
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
Presents a broad overview of the field of electronics and manufacturing technology. Includes discussion on the various opportunities in the field as well as skills required to be successful in school and in the profession.

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.

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, power, 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.

247 INDEPENDENT STUDIES: ELECTRONICS TECHNOLOGY (2.0 to 0.5)

(Formerly ELTECH 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 Electronics Technology area with support and direction from an instructor.

Transfer: CSU.

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 of-fering this course.

193B INTRODUCTION TO TECHNOLOGY (1.0)

(Formerly ELTECH 93B)

1.0 hours lecture per week

Associate Degree Applicable

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 of-fering 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 of-fering 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. Includes 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 213

Advisory: ETCH 224.

Presents 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.

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

Presents basic digital logic concepts, binary, octal, hexadecimal numbers used in digital logic systems, logic gates, counters, registers, sequential logic, integrated and programmable logic devices. These concepts will be expanded to include design applications.

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 hours lecture, 3.0 hours laboratory)

Associate Degree Applicable

Advisory: CIS 214 and ETCH 216.

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 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.*

Presents 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, piggy-back 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.

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. Arm configuration, basic mechanics and kinematics of arm structure and hardware are investigated. End-effectors, supplemental tooling hardware, and sensors are studied in workcell applications. Includes programming the controller in a high level language using a teach pendant.

*Transfer: CSU.***138 NUMERICAL CONTROL SYSTEMS****(2.5)**

(Formerly ELTECH 138)

7.0 hours per week: (4.0 hours lecture, 3.0 hours laboratory)

Associate Degree Applicable

*Prerequisite: ENGR 226**Advisory: CIS 213 or CIS 214.*

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.

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

*Prerequisite: ETCH 138**Advisory: ETCH 228 and ETCH 235.*

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)

manufacturing, Database Management System (DBMS), Manufacturing Resource Planning (MRP), and OSI-based Manufacturer's Automation Protocol (MAP) will be discussed or implemented in labs settings.

150 INDUSTRY INTERNSHIP (4.0 to 2.0)
(Formerly ELTECH 150)

10.0 hours per week: (1.0 hours lecture, 9.0 hours laboratory)

Associate Degree Applicable

Prerequisite: ETCH 144

Students obtain and complete a cooperative work placement with emphasis on development and use of technical, analytical, report writing and presentation skills. Students complete work term logs, employment-related technical reports and presentations.

152 AUTOMATION PROJECT (2.0)
(Formerly ELTECH 152)

4.0 hours per week: (1.0 hours lecture, 3.0 hours laboratory)

Associate Degree Applicable

Prerequisite: ETCH 144

The course will develop the students' ability to plan, schedule, self-direct, evaluate, build communication skills, and develop team building techniques. Students are required to undertake a large manufacturing and automation project, simulating as nearly as possible the integration of advanced technologies.

253 MICROCOMPUTER FUNDAMENTALS FOR TECHNICIANS (3.0)
(Formerly ELTECH 153)

5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)

Associate Degree Applicable

Advisory: ETCH 213.

Introduces fundamental concepts involved with upgrading and repairing personal computer systems. Includes topics on the "A+" computer service technician certification. Lectures and labs will cover internal microcomputer operation, operating systems, primary and secondary storage methods (system memory modules and disk drives), adapter cards, serial and parallel ports, and power supplies. Different components and subsystems will be compared and evaluated based on performance specifications and design considerations.

Transfer: CSU.

254 SERVER MAINTENANCE AND ADMINISTRATION (4.0)
(Formerly ELTECH 154)

6.0 hours per week: (3.0 hours lecture, 3.0 hours laboratory)

Associate Degree Applicable

Advisory: ETCH 253, CIS 221.

Prepares the student for the COMPTIA "SERVER+" computer service technician and Microsoft Server Administration certifications. The course builds on basic concepts taught in the Microcomputer fundamentals and operating system courses. Topics include PC hardware and advanced troubleshooting, new computer architectures, multiple OS's, advanced diagnostic tools, storage devices, RAID controllers, dual processor systems, hard disk recovery, server operating system installation and configuration.

Transfer: CSU.

255 NETWORK CABLING CERTIFICATION (2.0)
(Formerly ELTECH 155)

3.0 hours per week: (1.5 hours lecture, 1.5 hours laboratory)

Associate Degree Applicable

Advisory: MATH 123.

Addresses topics on the BICSI LEVEL I industry standard network cabling certification test. Presents basic concepts in network cabling and its application to network infrastructure. Basic terminology, cable types, wiring structures, installation factors and techniques will be discussed. LAN topologies, wiring technology, management, and standards will be investigated and applied to lab practice. Termination techniques for twisted pair and fiber optic cables and connectors will be studied and applied. Fiber optic theory, cable design, and cabling techniques will be investigated.

Testing of network cabling and terminations using conductivity, bandwidth, attenuation, and time domain reflectivity will be explored.

Transfer: CSU.

256 FIBER NETWORK CABLING CERTIFICATION (2.0)
(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 (4.0)
(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, level sensors, flow sensors and instrumentation maintenance techniques.

Transfer: CSU.

160 ALARM SYSTEMS (2.0)
(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.

267 POWER SYSTEMS AND ROTATING ELECTRICAL MACHINERY (4.0)
(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 (PG&E'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 (6.0)
(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 responder. 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

Corequisite: Advanced Cardiac Life Support, Basic Trauma Life Support, Pediatric Advanced Life Support

Develops advanced 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 of 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 publication 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.

- 406 COMPOSING YOUR LIFE STORY (0.0)**
(Formerly EMCOLL 406)
3.0 hours lecture per week
Presents the process of ordering and developing chronologically a personal history, including introductory genealogical research and preservation of family historical materials. This course is designed for adults over 50.
- 407 FUNDAMENTAL MUSIC THEORY FOR SENIORS (0.0)**
(Formerly EMCOLL 407)
3.0 hours lecture per week
Presents the fundamentals of music theory in an overview of classical and popular music from the earliest recorded to the present. This class includes the study of musical themes, melodic and bass lines, and orchestra instruments as well as participation in music games and singing. This course is designed for adults over 50.
- 408 BEGINNING MUSIC ARTS FOR SENIORS (0.0)**
(Formerly EMCOLL 408)
3.0 hours lecture per week
Develops critical listening ability and enriches musical experiences with the study of style, intonation, and lyrical content of musical selections. Attendance at concerts and preliminary and follow-up discussions help students to become more critical listeners.
- 409 SENIOR CHORUS (0.0)**
(Formerly EMCOLL 409)
3.0 hours lecture per week
Studies choral literature including selections from the 16th century to the present, encompassing numerous musical styles. The class presents vocal exercises, fundamentals of music theory, and the aesthetics of music. A performance for family and friends may conclude the class. This course is designed for adults over 50.
- 410 THE OLDER ADULTS GUIDE TO MAINTAINING YOUR PERSONAL RECORDS (0.0)**
(Formerly EMCOLL 410)
3.0 hours lecture per week
Presents information about maintaining a master list of personal records: income tax data, pension and paycheck information, financial records including bank and investment details, will and letter of instructions, health and insurance records, possessions inventory. This course is designed for adults over 50.
- 411 CREATIVE WRITING FOR SENIORS (0.0)**
(Formerly EMCOLL 411)
3.0 hours lecture per week
Introduces the writing of creative nonfiction, plays, poetry, OR short fiction. Students read and discuss published writing and workshop their own writing. This course is designed for adults over 50.
- 412 BRAIN LONGEVITY: WAYS TO PRESERVE AND RESTORE MEMORY (0.0)**
(Formerly EMCOLL 412)
3.0 hours lecture per week
Presents information about brain longevity including preventing and reversing memory loss; effects of diet and physical and mental exercise; causes and treatments of Alzheimer's Disease; psychological approaches to memory preservation. This course is designed for adults over 50.
- 413 PASTEL DRAWING AND PAINTING FOR SENIORS (0.0)**
(Formerly EMCOLL 413)
3.0 hours lecture per week
Introduces the techniques and materials of pastel with emphasis on color, form, value, composition, perspective, and visual creativity. Subjects covered include landscape components, still life, and the human form. This course is designed for adults over 50.
- 414 DRAWING FOR SENIORS (0.0)**
(Formerly EMCOLL 414)
3.0 hours lecture per week
Presents basic skills of drawing with an opportunity to experience using pen and ink, charcoal, conte crayon. This course is designed for adults over 50.
- 415 YOGA FOR SENIORS (0.0)**
(Formerly EMCOLL 415)
3.0 hours laboratory per week
Presents yoga to enhance health and well-being. Instruction and practice includes passive exercise adapted for students over the age of 50, relaxation while stretching, strengthening, deep breathing, postural alignment, yoga asanas (postures) to enhance and develop full range of motion, flexibility of muscles, strengthening of musculature while holding poses. This course is designed for adults over 50.
- 417 LAWS AND PROGRAMS AFFECTING SENIORS (0.0)**
(Formerly EMCOLL 417)
3.0 hours laboratory per week
Presents information about laws and programs affecting older citizens such as Medicare, Medi-Cal, SSI; energy, nutrition, transportation; legal assistance; education and recreation; veterans' benefits; home health and day care. This course is directed to adults over 50.
- 418 FOCUSED READING FOR OLDER ADULTS (0.0)**
(Formerly EMCOLL 418)
3.0 hours lecture per week
Presents a guided reading of a particular literary genre--short story, poetry, novel, drama, including analysis and discussion, historical and biographical information about the writer. This course is designed for adults over 50.
- 420 FINANCE: WILLS AND TRUSTS (0.0)**
(Formerly EMCOLL 420)
3.0 hours lecture per week
Presents the pros and cons of wills and trusts, the process of probate, the types of trusts and of powers of attorney. Students find out what they need to know to make informed estate-planning decisions. This course is designed for adults over 50.
- 421 GREAT LITERATURE: SELECTED READING (0.0)**
(Formerly EMCOLL 421)
3.0 hours lecture per week
Presents a guided reading of a selected great work of literature such as Dante's *Inferno* or Virgil's *Aeneid* or a play by William Shakespeare. Reading selection changes each session. Discussion of theme, setting, characterization occurs in class; in addition, students read aloud portions of the work and learn about the historical and cultural context of its writing. This course is designed for adults over 50.
- 422 ACCOUNTING: FINANCIAL STATEMENTS (0.0)**
(Formerly EMCOLL 422)
3.0 hours lecture per week
Presents the content and construction of financial statements, and the interpretation and application of their contents. This course is designed for adults over 50.
- 423 ART: WATERCOLOR (0.0)**
(Formerly EMCOLL 423)
3.0 hours lecture per week
Introduces the fundamentals of watercolor. Planning and preparation, color mixing and theory, design and composition, perspective are included. Several painting techniques and criteria for evaluation are taught as students create and critique their work. This course is designed for adults over 50.

- 424 ART: PAINTING/OIL PAINTING (0.0)**
(Formerly EMCOLL 424)
3.0 hours lecture per week
Presents theories of color mixing and composition, and the process of critiquing. Students create a piece of work in oil or acrylic. This course is designed for adults over 50.
- 425 ART HISTORY (0.0)**
(Formerly EMCOLL 425)
3.0 hours lecture 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.
- 426 DRAMA: READER'S THEATRE (0.0)**
(Formerly EMCOLL 426)
3.0 hours lecture per week
Presents an opportunity to analyze, interpret, and perform orally a work of literature. Selections may be chosen from drama, poetry, short stories or novels, and are adapted specifically for in-class dramatic readings. This course is designed for adults over 50.
- 427 NUTRITION AND HEALTH FOR ADULTS OVER FIFTY (0.0)**
(Formerly EMCOLL 427)
3.0 hours lecture per week
Presents the basics of nutrition, how older adults' nutritional needs differ, and how to meet those needs. Students learn about shopping in today's marketplaces and how to eat to aid recovery from surgery and illness. This course is designed for adults over 50.
- 428 FILM APPRECIATION (0.0)**
(Formerly EMCOLL 428)
3.0 hours lecture per week
Studies major films to consider historical context, dramatic issues, artistic and technical objectives, and the process and elements of filmmaking. 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.
- 433 SENIOR SEMINAR FOR ADULT 50+ (0.0)**
(Formerly EMCOLL 433)
1.0 hours lecture per week
Discover the influences and connections between ideas, values and concepts on a variety of topics of interest to the older adult. In a setting that encourages dialogue and interaction this class covers topics in areas such as, health, culture, philosophy, psychology, literature, current events, science and history. Students are encouraged to share and compare life experiences and learn about international, national and/or local events and issues.
- 434 EXPLORATION IN ART FOR ADULTS 50+ (0.0)**
(Formerly EMCOLL 434)
3.0 hours per week: (1.5 hours lecture, 1.5 hours laboratory)
Designed for adults 50+, this class encourages art appreciation, self expression and creativity in a variety of art media. Projects give students experience with different creative non-traditional artistic methods and artistic design techniques, tools and material.
- 435 EXPLORE NATURAL/CULTURAL WONDERS:CENTRAL COAST-ADULTS 50+ (0.0)**
(Formerly EMCOLL 435)
1.5 hours laboratory per week
Introduces senior adults to adventures and activities associated with the natural and cultural wonders of the Central Coast, including nature protection and awareness, cultural preservation, volunteer and docent opportunities. The class involves visits to sites such as nature preserves, State Parks, museums, as well as sites of cultural and historic significance.
- 436 MUSIC ARTS FOR ADULTS 50+ (0.0)**
(Formerly EMCOLL 436)
2.0 hours lecture per week
Designed for the older adult, this class will discover the influences and connections between ideas, values and concepts to expand your understanding of a variety of topics. In a setting that encourages dialogue and interaction this class covers topics in the areas of health, culture, philosophy, literature, current events, science and history older adult students are encouraged to share and compare life experiences and learn about international, national and/or local events and issues.
- 470 ADAPTED EXERCISE FOR FRAIL OLDER ADULTS (0.0)**
(Formerly EMCOLL 470)
2.0 hours laboratory per week
Designed for the maintenance of the physical and mental well-being of the frail older adult, this course is geared to increasing strength, range of motion/flexibility, balance, agility, eye/hand and foot coordination, enhancing the circulatory system and increasing mental alertness of the older adult. Techniques are adapted to meet the needs of older adults at their various fitness levels and functional capacities.
- 471 MUSIC ARTS FOR FRAIL OLDER ADULTS (0.0)**
(Formerly EMCOLL 471)
2.0 hours laboratory per week
Designed for the frail older adult, this course encourages appreciation of music from different time periods and genres. Through active participation in discussions, musical reminiscence, sing-along and rhythmic activities the older adult student will be exposed to a variety of music.
- 472 CREATIVE ARTS FOR FRAIL OLDER ADULTS (0.0)**
(Formerly EMCOLL 472)
2.0 hours laboratory per week
Designed for the frail older adult, this course provides physical and mental stimulation through a variety of art media. Projects encourage art expression and appreciation through art in artistic design, artistic methods, techniques, tools and materials. Eye-hand (fine motor) coordination will be utilized to develop, stimulate and enhance psycho-motor, perceptual, and cognitive skills.

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 traditions, 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 computations for horizontal and vertical distances, profiles, azimuths and bearings, 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 mechanics, 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 electrical engineering students. Topics include numbering systems and binary mathematics, Boolean algebra and circuit minimization techniques, combinational 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 geometric construction, orthographic projection, isometrics, sectionals, auxiliaries, 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 introduction 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 equilibrium 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 the fundamentals of the structure of matter. Introduces physical and mechanical properties of materials including metals, alloys, ceramics, semi-conductors, and polymers. Provides a study of heat treatments, materials selection, corrosion phenomena, and equilibrium diagrams.
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 properties of metals, effects of cold deformation of metals, brittle-ductile fracture behavior, equilibrium phase relationships, corrosion, mechanical behavior of polymers, as well as properties of semiconductor devices.
Transfer: CSU.

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 subsystems, 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 of 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.

ENGLISH**210 TECHNICAL WRITING AND ORAL COMMUNICATION (4.0)**

(Formerly ENGL 1)

4.0 hours lecture per week
Associate Degree Applicable*Prerequisite: English 201A: English Composition or Equivalent*

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.***201A ENGLISH COMPOSITION (4.0)**

(Formerly ENGL 1A)

4.0 hours lecture per week
Associate Degree Applicable*Prerequisite: ENGL 50, ENGL 156 or ENGL 165 with a grade of C or better*

Provides a study of and practice in the use of language and writing of argumentative/analytical essays and research papers.

*Transfer: CSU; UC.***201B ENGLISH COMPOSITION: INTRODUCTION TO LITERATURE (3.0)**

(Formerly ENGL 1B)

3.0 hours lecture per week
Associate Degree Applicable*Prerequisite: ENGL 201A with a grade of C or better.*

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.***201C ENGLISH COMPOSITION: CRITICAL THINKING (3.0)**

(Formerly ENGL 1C)

3.0 hours lecture per week
Associate Degree Applicable*Prerequisite: ENGL 201A with a grade of C or better*

Presents a composition course beyond ENGL 201A which emphasizes critical thinking and reading in order to develop further logical reasoning and analytical and argumentative writing skills.

*Transfer: CSU; UC.***205 INTRODUCTION TO POETRY (3.0)**

(Formerly ENGL 5)

3.0 hours lecture per week
Associate Degree Applicable*Prerequisite: ENGL 201A with a grade of C or better**Advisory: ENGL 201B.*

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.***206 INTRODUCTION TO THE NOVEL (3.0)**

(Formerly ENGL 6)

3.0 hours lecture per week
Associate Degree Applicable*Prerequisite: ENGL 201A with a grade of C or better**Advisory: ENGL 201B.*

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.***207 INTRODUCTION TO THE SHORT STORY (3.0)**

(Formerly ENGL 7)

3.0 hours lecture per week
Associate Degree Applicable*Prerequisite: ENGL 201A with a grade of C or better**Advisory: ENGL 201B.*

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.***212A AMERICAN LITERATURE (3.0)**

(Formerly ENGL 12A)

3.0 hours lecture per week
Associate Degree Applicable*Prerequisite: ENGL 201A with a grade of C or better.*

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.***212B AMERICAN LITERATURE (3.0)**

(Formerly ENGL 12B)

3.0 hours lecture per week
Associate Degree Applicable*Prerequisite: ENGL 201A with a grade of C or better.*

The study of major American writers from the Civil War up through contemporary times. Includes writers such as Twain, Howells, Crane, London, Hemingway, Steinbeck, Faulkner, Wright, Dos Passos, Frost, Pound, Eliot, Stevens, Cummings, O'Neill, Tennessee Williams, Arthur Miller, O'Connor, Alice Walker, Berryman, Lowell, Sexton and Plath.

*Transfer: CSU; UC.***213 MULTICULTURAL VOICES IN AMERICAN LITERATURE (3.0)**

(Formerly ENGL 13)

3.0 hours lecture per week
Associate Degree Applicable*Prerequisite: ENGL 201A with a grade of C or better.*

Introduces current literary study which focuses upon issues of race, gender, class, sexual orientation, and ethnicity in American literature. Surveys American history and culture in the context of its multicultural literary tradition from the early Native American tradition to present day. Emphasizes the formation of minority discourse against and within American mainstream culture and its literary tradition. Uses poems, novels, short stories, and essays for study.

*Transfer: CSU; UC.***215 SHAKESPEARE (3.0)**

(Formerly ENGL 15)

3.0 hours lecture per week
Associate Degree Applicable*Prerequisite: ENGL 201A with a grade of C or better.*

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.***216 LITERATURE AND FILM (3.0)**

(Formerly ENGL 16)

3.0 hours lecture per week
Associate Degree Applicable*Prerequisite: ENGL 201A with a grade of C or better.*

Presents the techniques of literary criticism to analyze films and the literary works that inspired them. Examines narrative in film and the criteria

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

Pre-requisite: ENGL 201A with a 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 Applicable

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: High-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 or completion of ESL 015 or 015A or 015B or 015C with a grade of C or better.

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 or completion of ESL 015 or 015A or 015B or 015C with a grade of C or better.

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.

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.

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.

Focuses on communication skills in listening comprehension and speaking for speakers of other languages and enables the advanced-level student to function in academic, professional and everyday English-speaking situations.

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.

Focuses on communication skills in listening comprehension and speaking for speakers of other languages and enables the advanced-level student to function in academic, professional and everyday English-speaking situations.

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.

Focuses on communication skills in listening comprehension and speaking for speakers of other languages and enables the advanced-level student to function in academic, professional and everyday English-speaking situations.

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

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 intermediate level.

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 004A and ESL 004B.

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.

- 706 ESL ADVANCED - LEVEL 6** (0.0)
(Formerly ESL 706)
4.5 hours lecture per week
Provides students with basic skills in English at the advanced level through listening/speaking practice. Lifeskills, grammar, pronunciation, vocabulary, history, government, and culture are taught.
- 707 U. S. CITIZENSHIP** (0.0)
(Formerly ESL 707)
3.0 hours lecture per week
Designed to provide non-U.S. citizens with an in-depth study of the federal and state system of government and the U. S. Constitution. This class will also prepare students for the U.S. Citizenship and Immigration Service application process and oral interview.
- 708 ESL FOR SOCIAL COMMUNICATION** (0.0)
(Formerly ESL 708)
2.0 hours per week: (0.5 hours lecture, 1.5 hours laboratory)
Advisory: Completion of ESL 703 (Beginning High) or VESL 702, or equivalent language skills.
Focuses on conversational strategies for appropriate interaction in American work and social settings. This multi-level ESL course includes discussions about cross-cultural factors in communication and social customs and practices.
- 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 through 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.

218 HUMAN SEXUALITY (3.0)

(Formerly FAMST 18)

3.0 hours lecture per week

Associate Degree Applicable

Advisory: ENGL 156.

Presents an overview of the complex social, psychological, and psychological aspects of human sexuality. Examines responsible use of sexuality as a part of life adjustment.

*Transfer: CSU; UC.***220 AGING IN THE 21ST CENTURY: SOCIAL GERONTOLOGY (3.0)**

(Formerly FAMST 20)

3.0 hours lecture per week

Associate Degree Applicable

Advisory: Eligibility for ENGL 156.

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.

*Transfer: CSU.***247 INDEPENDENT STUDIES: FAMILY STUDIES (2.0 to 0.5)**

(Formerly FAMST 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 family studies under the direction of an instructor.

*Transfer: CSU.***270 INTRO TO ADDICTION STUDIES: ADDICTION AND THE COMMUNITY (3.0)**

(Formerly FAMST 70)

3.0 hours lecture per week

Associate Degree Applicable

Advisory: ENGL 156.

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.

*Transfer: CSU.***278 FAMILIES AND ADDICTION (3.0)**

(Formerly FAMST 78)

3.0 hours lecture per week

Associate Degree Applicable

Prerequisite: ENGL 156.

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.

*Transfer: CSU.***279 TREATMENT AND CASE MANAGEMENT (3.0)**

(Formerly FAMST 79)

3.0 hours lecture per week

Associate Degree Applicable

Advisory: FMST 210.

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.

*Transfer: CSU.***280 BASIC INTERVIEWING AND COUNSELING SKILLS (3.0)**

(Formerly FAMST 80)

3.0 hours lecture per week

Associate Degree Applicable

Advisory: FMST 210.

Presents and develops basic competency in one-on-one counseling skills relevant to the helping professions with emphasis on motivational interviewing and client empowerment approaches. Places a strong emphasis on professional ethics and boundaries. Skills may be applied in counseling, mediation, negotiation and interpersonal settings.

*Transfer: CSU.***193 FAMILY STUDIES SPECIAL TOPIC (4.0 to 0.5)**

(Formerly FAMST 93)

Associate Degree Applicable

Examines a special topic in the field of study related to the discipline of offering this course.

193A INTRODUCTION TO HOME VISITATION (3.0)

(Formerly FAMST 93A)

3.0 hours lecture per week

Associate Degree Applicable

193B ELEMENTARY EDUCATION INTERNSHIP (3.0)

(Formerly FAMST 93B)

8.0 hours per week: (0.5 hours lecture, 7.5 hours laboratory)

Associate Degree Applicable

FASHION DESIGN & MERCHANDISING**210 INTRODUCTION TO FASHION (3.0)**

(Formerly FDM 10)

3.0 hours lecture per week

Associate Degree Applicable

Advisory: ENGL 156.

Explores the fashion industry and careers related to design, production, and merchandising of fashion products.

*Transfer: CSU.***212 TEXTILES (3.0)**

(Formerly FDM 12)

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 ID 212.

*Transfer: CSU; UC.***214 APPAREL EVALUATION (3.0)**

(Formerly FDM 14)

3.0 hours lecture per week

Associate Degree Applicable

Advisory: Eligibility for ENGL 156.

Analyzes components of apparel and related fashion accessories. Develops evaluation techniques for quality comparison.

Transfer: CSU.

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 123SI.

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.

Explores the dynamic facets of Apparel Product Development from Line Development through Production. Evaluates garment silhouettes, fabrication, construction, and quality. Demonstrates how to develop a Bill of Materials, Cost Sheets, and Specification Sheets. Presents sizing, fit, and sourcing options.

Transfer: CSU.

- 263 CLOTHING CONSTRUCTION** (3.0)
(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** (2.0)
(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** (3.0)
(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** (4.0 to 0.5)
(Formerly FDM 93)
Associate Degree Applicable
Examines a special topic in the field of study related to the discipline offering this course.
- 193A ILLUSTRATION FOR FASHION & INTERIOR DESIGN** (3.0)
(Formerly FDM 93A)
5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Transfer: CSU.
- COURSES**
- FRENCH**
- 201 ELEMENTARY FRENCH** (4.0)
(Formerly FR 1)
5.0 hours per week: (4.0 hours lecture, 1.0 hours laboratory)
Associate Degree Applicable
Presents an introductory, topic-based course in contemporary French with an emphasis on listening comprehension, language acquisition, oral interaction, culture-centered reading and writing basic French. Social and cultural aspects of the French-speaking world are presented along with some of the most essential forms, structures and vocabulary in the language. Language laboratory practice required.
Transfer: CSU; UC.
- 202 FRENCH** (4.0)
(Formerly FR 2)
5.0 hours per week: (4.0 hours lecture, 1.0 hours laboratory)
Associate Degree Applicable
Prerequisite: FR 201 or equivalent
Presents a continuation of FR 201 with intensive, topic-centered practice in listening comprehension, language acquisition, conversations and composition. Selected cultural readings from the French-speaking world including cultural vignettes, prose, and poetry. Language laboratory practice is required.
Transfer: CSU; UC.
- 3 FRENCH** (4.0)
(Formerly FR 3)
5.0 hours per week: (4.0 hours lecture, 1.0 hours laboratory)
Associate Degree Applicable
Prerequisite: FR 202 or equivalent
Presents a continuation of FR 202 with more intensive, topic-centered practice in grammatical structures including the subjunctive, future, conditional, past conditional and past perfect tenses. Practice includes group discussions, cultural readings from the French-speaking world including cultural vignettes, and more advanced prose and poetry, and oral presentations in French.
Transfer: CSU; UC.
- 204 FRENCH** (4.0)
(Formerly FR 4)
5.0 hours per week: (4.0 hours lecture, 1.0 hours laboratory)
Associate Degree Applicable
Prerequisite: FR 203 or equivalent
Presents a topic-centered, in-depth study of French structures at an intermediate level through interactive activities, extensive readings and authentic recordings, and compositions. Students learn to deal orally and in written form with complex situations. Language lab use is required.
Transfer: CSU; UC.
- 110 BEGINNING FRENCH CONVERSATION AND READING** (4.0)
(Formerly FR 10)
5.0 hours per week: (4.0 hours lecture, 1.0 hours laboratory)
Associate Degree Applicable
Emphasizes basic vocabulary and pronunciations needed to converse in French. Students will also develop listening comprehension, reading skills and knowledge and understanding of French-speaking cultures. Language laboratory practice required.
- 120 FRENCH CONVERSATION AND READING** (4.0)
(Formerly FR 20)
5.0 hours per week: (4.0 hours lecture, 1.0 hours laboratory)
Associate Degree Applicable
Prerequisite: FR 201 or equivalent
Presents 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: FRENCH** (2.0 to 0.5)
(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** (2.0)
(Formerly FR 63)
3.0 hours per week: (2.0 hours lecture, 1.0 hours laboratory)
Associate Degree Applicable
Prerequisite: FR 201 or equivalent
Presents a topic-centered review of French structures through listening comprehension, interactive activities and compositions. Cultural readings include an historical perspective to contrast with the contemporary and authentic literary selections. Language laboratory practice, including use of the CD-ROMs and the Internet, is required.
Transfer: CSU.

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.

GEOLOGY

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.

229A 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.

229B 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 GEOLOGY 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.

193A APPLIED METHODS IN OCEANOGRAPHY (1.0)
(Formerly GEOL 93A)
3.0 hours laboratory per week
Associate Degree Applicable

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 idioms

atic construction, composition, conversation, cultural readings and language laboratory practice.

Transfer: CSU; UC.

204 GERMAN (4.0)
(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 (4.0)
(Formerly GER 10)

5.0 hours per week: (4.0 hours lecture, 1.0 hours laboratory)

Associate Degree Applicable

Emphasizes basic vocabulary and pronunciations 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 (4.0)
(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 (2.0 to 0.5)
(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 (4.0 to 0.5)
(Formerly GER 93)

Associate Degree Applicable

Examines a special topic in the field of study related to the discipline offering this course.

HEALTH EDUCATION

202 HEALTH EDUCATION (3.0)
(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 (3.0)
(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) (2.0)
(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. certificate examinations.

Transfer: CSU; UC.

206 HEALTH ASPECTS OF DRUG USE (3.0)
(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 (3.0)
(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 (4.0 to 0.5)
(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 (3.0)
(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 developments 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 HISTORY OF 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 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 a 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 inheritance 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 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 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 class room 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

161 INTERPRETIVE GUIDE TRAINING HEARST CASTLE TOURS II AND III (2.0)

(Formerly HUMAN 61)

3.0 hours per week: (1.5 hours lecture, 1.5 hours laboratory)

Associate Degree Applicable

Prerequisite: HUMN 160 OR HUMN 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 there source 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. he 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.

218 HISTORY OF VISUAL AND PERFORMING ARTS (3.0)

(Formerly HUMAN 118)

4.0 hours per week: (3.0 hours lecture, 1.0 hours laboratory)

Associate Degree Applicable

Advisory: Eligibility for ENGL 156 is recommended.

Introduces the history of visual and performing arts. The main objective of this course is to increase understanding of painting, sculpture, theatre, and music and their roles in society. The students will explore different styles and types of works of cultural production from various cultures, eras, and locations. Students will demonstrate an understanding of the basic elements of these art forms and apply this knowledge to analyze and evaluate works of art. Particular emphasis will be placed on discussions and interpretations of the value of the arts to the individual and society.

*Transfer: CSU.***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: HUMN 160 OR HUMN 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 (3.0)

(Formerly INTDES 12)

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 (3.0)

(Formerly INTDES 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. Same as FDM 215.

Transfer: CSU.

217 RENDERING AND RAPID VISUALIZATION FOR INTERIOR DESIGN (3.0)

(Formerly INTDES 17)

5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)

Associate Degree Applicable

Co-requisite: ID 210

Presents 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 (3.0)

(Formerly INTDES 19)

5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)

Associate Degree Applicable

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 (3.0)

(Formerly INTDES 20)

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 (3.0)

(Formerly INTDES 22)

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 (3.0)

(Formerly INTDES 28)

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 (3.0)

(Formerly INTDES 34)

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 (3.0)

(Formerly INTDES 35)

3.0 hours lecture per week

Associate Degree Applicable

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.

240 DESIGN AND HISTORY OF FURNITURE: ANCIENT - 18TH CENTURY (3.0)

(Formerly INTDES 40)

3.0 hours lecture per week

Associate Degree Applicable

Advisory: ENGL 156.

Examines the development of furniture styles of Western Europe and America from ancient times through the 18th century. Discusses the evolution of design based on historical foundations.

Transfer: CSU.

245 DESIGN AND HISTORY OF FURNITURE: 18TH - 20TH CENTURY (3.0)

(Formerly INTDES 45)

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, galleries, manufacturing facilities, showrooms, showcase houses and/or historical sites in California. Food and other expenses will be the responsibility 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.***193 INTERIOR DESIGN SPECIAL TOPIC (4.0 to 0.5)**

(Formerly INTDES 93)

Associate Degree Applicable

Examines a special topic in the field of study related to the discipline offering this course.

193C INTERIOR DESIGN: DESIGN AND HISTORY OF FURNISHINGS (3.0)

(Formerly INTDES 93C)

3.0 hours lecture per week
Associate Degree Applicable**193G INTERIOR DESIGN EUROPE EXCURSIONS (2.0)**

(Formerly INTDES 93G)

36.0 hours per week: (9.0 hours lecture, 27.0 hours laboratory)

Associate Degree Applicable

193H ILLUSTRATION FOR FASHION AND INTERIOR DESIGN (3.0)

(Formerly INTDES 93H)

5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)

Associate Degree Applicable

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 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.

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/or attend seminars conducted by professionals in the design field. Excursions may include: museums, galleries, manufacturing facilities, showrooms, showcase houses and/or historical sites in California. Food and other expenses will be the responsibility 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, including an introduction to journalism literature, news analysis, comparison of journalistic styles, and an introduction to the writing and structure of news stories.

Transfer: CSU; UC.

201C JOURNALISM FIELD STUDIES**(1.0 to 0.5)**

(Formerly JOUR 1C)

18.0 hours lecture per week

Associate Degree Applicable

Advisory: Eligibility for ENGL 156.

Presents on-site studies of local, state, or national government entities, and/or publications and broadcasting stations. Students must pay their proportional part of the expenses resulting from transportation, meals, and lodging.

*Transfer: CSU.***202A INTRODUCTION TO NEWS PRODUCTION****(4.0)**

(Formerly JOUR 2A)

8.0 hours per week: (2.0 hours lecture, 6.0 hours laboratory)

Associate Degree Applicable

Advisory: ENGL 156.

Introduces hands-on preparatory news production using state-of-the-art technology to produce "The Cuestonian," the student newspaper. Presents all aspects of the newspaper business including reporting, writing, photography, word processing, typesetting, editing, graphic design, composition, layout, desk-top publishing, and distribution.

*Transfer: CSU.***202B NEWS PRODUCTION****(4.0)**

(Formerly JOUR 2B)

8.0 hours per week: (2.0 hours lecture, 6.0 hours laboratory)

Associate Degree Applicable

Advisory: JOUR 202A.

Involves students in editorial positions using state-of-the-art computer technology to produce "The Cuestonian," the student newspaper. Continues the study of all aspects of the newspaper business.

*Transfer: CSU.***202C NEWS PRODUCTION****(4.0)**

(Formerly JOUR 2C)

8.0 hours per week: (2.0 hours lecture, 6.0 hours laboratory)

Associate Degree Applicable

Advisory: JOUR 202B.

Involves students in major hands-on editorial positions and leadership in using state-of-the-art computer technology to produce The Cuestonian, the student newspaper. Continues the study of all aspects of the newspaper business.

*Transfer: CSU.***203 FEATURE WRITING****(3.0)**

(Formerly JOUR 3)

3.0 hours lecture per week

Associate Degree Applicable

Advisory: Eligibility for ENGL 201A.

Introduces feature writing techniques. Presents critical analysis of markets for nonfiction articles and practice in research and preparation of articles for both magazines and newspapers.

*Transfer: CSU.***247 INDEPENDENT STUDIES: JOURNALISM****(2.0 to 0.5)**

(Formerly JOUR 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 journalism under the direction of an instructor.

*Transfer: CSU.***193 JOURNALISM SPECIAL TOPIC****(4.0 to 0.5)**

(Formerly JOUR 93)

Associate Degree Applicable

Examines a special topic in the field of study related to the discipline of offering this course.

LEADERSHIP**247 INDEPENDENT STUDIES: LEADERSHIP****(2.0 to 0.5)**

(Formerly LEADER 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 Leadership under the direction of an instructor.

*Transfer: CSU.***250 PEER EDUCATOR - ORIENTATION LEADER****(2.0)**

(Formerly LEADER 50)

4.0 hours per week: (1.0 hours lecture, 3.0 hours laboratory)

Associate Degree Applicable

Advisory: LEADER 253.

This course is designed for students who are interested in or who have been invited to be an orientation leader. Students will become knowledgeable in campus policies, procedures, and services. Leadership theory, diversity awareness and appreciation are also explored, as well as the psychological and personal issues facing college students. Students will have the opportunity to lead group discussions, make presentations, and be trained to be SLO Days counselors, as well as peer educators on campus.

*Transfer: CSU.***253 PEER COUNSELING****(2.0)**

(Formerly LEADER 53)

4.0 hours per week: (1.0 hours lecture, 3.0 hours laboratory)

Associate Degree Applicable

Advisory: Completion of or concurrent enrollment in ENGL 156 or ENGL 165.

Peer Counseling is a practicum experience that helps to address positive mental health concepts. It prepares students to assist other students with issues and problems facing many college students, including self-acceptance, problem solving/decision making, and interpersonal relationships.

*Transfer: CSU.***255 COMMUNITY INTERNSHIP****(3.0 to 1.0)**

(Formerly LEADER 55)

8.0 hours per week: (0.5 hours lecture, 7.5 hours laboratory)

Associate Degree Applicable

Advisory: LEADER 253.

Provides students the opportunity to explore life goals. Training helps guide students to complete learning objectives. Internship experience provides a structured, on-the-job opportunity in a human services setting, elementary school, and/or college. Students also participate in a training program at their on-site placement.

*Transfer: CSU.***256 CAMPUS PEER EDUCATOR****(1.0)**

(Formerly LEADER 56)

3.0 hours lecture per week

Associate Degree Applicable

Prerequisite: Completion of or concurrent enrollment in LDER 253.

This course is designed for students who are interested in or who have been invited to be a campus peer educator. Peer education is a leadership program which takes the knowledge gained from LDER 253 and applies it in a way to promote healthy behaviors and wellness among all members of the Cuesta College community.

Transfer: CSU.

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**Advisory: LDER 253.*

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 volunteer 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 considerations in leadership, listening skills, personal values, and problem solving. 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 responsibility; motivating purpose; taking effective action; building mutually supportive relationships; gaining heightened self awareness; developing emotional 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 activities 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 offering 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 between law and society as a whole. Addresses the fundamental but seemingly contradictory functions the law serves as an instrument of both social 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 social 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, negligence, 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 administration. Topics include estate administration, including probate proceedings and disposition of estates outside of probate, in preparation of wills, trusts, and other estate planning documents.

124 FAMILY LAW (2.0)
(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, paternity and adoption, annulment, and domestic violence.

247 INDEPENDENT STUDIES: LEGAL (2.0 to 0.5)
(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 (4.0 to 0.5)
(Formerly LEGAL 93)
Associate Degree Applicable
Examine a special topic in the field of study related to the discipline offering this course.

LIBRARY/INFO TECHNOLOGY

101 INTRODUCTION TO LIBRARY SERVICES (1.0)
(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 libraries 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 (1.0)
(Formerly LIBINF 2)
1.0 hours lecture per week
Associate Degree Applicable
This class introduces students to the wide range of concepts and technologies 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 (3.0)
(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 (3.0)
(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, electronic, and other materials to stock library/information center collections.

106 INTRODUCTION TO THE INTERNET (1.0)
(Formerly LIBINF 6)
4.0 hours per week: (1.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Designed to prepare students to use the Internet for personal and academic needs. This course is an introduction to various features and components of the Internet. Emphasis is also placed on the location and evaluation of Internet resources.

207 WEB PAGE DEVELOPMENT WITH XHTML (3.0)
(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 necessary to the effective design and development of a web site. All elements of web page design will be covered including such topics as content, navigation 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 (1.0)
(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 statistical reports.

109 LIBRARY PUBLIC SERVICES (3.0)
(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 defining and executing search strategies that answer information questions from the public.

110 SCHOOL LIBRARY/MEDIA CENTER SERVICES (2.0)
(Formerly LIBINF 10)
3.0 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 necessary to provide effective school library media programs for grades K-12.

111 JAVASCRIPT FUNDAMENTALS (1.0)
(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 CAO 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 47)

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 93)

Associate Degree Applicable

Examines a special topic in the field of study related to the discipline of--focusing this course.

LICENSED VOCATIONAL NURSING

COURSES

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 2)

6.0 hours lecture per week

Associate Degree Applicable

Prerequisite: LVN 101B

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 foci 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 (6.5)
(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 102 and LVN 102B

Theory, demonstration and supervised practice of intermediate skills and medication administration are 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 102 and LVN 102A

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 of nursing 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 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 Elementary Algebra, (MATH 123) at a slower pace. Successful completion 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

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.

Broadens and adds to the concepts of elementary algebra. Such additions include rational expressions, quadratic equations, functions, exponential and logarithmic functions, inverse of functions, solving systems of two or more linear equations, and sequences and series.

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 college algebra and analytic geometry with an emphasis on mathematical modeling. Covers such topics as algebraic equations and inequalities, functions and graphs, zeros of functions rational functions, exponential and logarithmic functions, conic sections, systems of equations, matrices and determinants.

Transfer: CSU; UC (For UC, maximum credit of one course between MATH 232 and 242).

236 INTRODUCTION TO APPLIED STATISTICS (3.0)

(Formerly MATH 36)

3.0 hours lecture per week

Associate Degree Applicable

Prerequisite: MATH 127, MATH 127SI or equivalent with a grade of C or better

Presents an introduction to the study of basic descriptive and inferential

statistical methods, with an emphasis on applications, to prepare students for work in the disciplines of psychology, sociology, education, life sciences, and applied science.

Transfer: CSU; UC (For UC, 4 credit maximum between MATH 236 and 247).

242 PRE-CALCULUS ALGEBRA (5.0)

(Formerly MATH 42)

5.0 hours lecture per week

Associate Degree Applicable

Prerequisite: MATH 127, MATH 126B 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 equation.

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

Presents a correlated course with two areas of music study: traditional harmonic practice studied through the principles of writing of the Common Practice era including scales, tonality, chords and four-part writing in root position; and aural skills which include solfege with movable do, sight-singing, and aural recognition and dictation of intervals and rhythm. This course is the first in a sequence of three. Required of all music majors.

Transfer: CSU; UC.

203B MUSIC THEORY (5.0)

(Formerly MUS 3B)

6.0 hours per week: (5.0 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 chromatics using movable do, 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.

212 APPLIED MUSIC (PRIVATE LESSONS) (2.0)

(Formerly MUS 12)

7.0 hours laboratory per week

Associate Degree Applicable

Prerequisite: Audition and/or consent of instructor

Co-requisite: MUS 203A, MUS 203B, MUS 203C or MUS 239 and MUS 223, MUS 225, MUS 226, MUS 227, MUS 228, MUS 229, MUS 231, MUS 232A, MUS 253, MUS 262, MUS 263 or MUS 265

A workshop/recital class and a private one-hour lesson per week. The student is required to practice on campus a minimum of five hours per week, and to enroll and participate in a large performing music ensemble. Applied lessons are available in voice, piano, strings, guitar, woodwinds, brass, and percussion.

Transfer: CSU.

220 ELEMENTARY VOICE (2.0)

(Formerly MUS 20)

4.0 hours per week: (1.0 hours lecture, 3.0 hours laboratory)

Associate Degree Applicable

Presents a study of the techniques of voice training for solo singing. Music will range through appropriate song repertoire and selections from musicals. Class performance required. Transfer: CSU; UC.

222 INTERMEDIATE VOICE (2.0)

(Formerly MUS 22)

4.0 hours per week: (1.0 hours lecture, 3.0 hours laboratory)

Associate Degree Applicable

Prerequisite: MUS 220 or equivalent or audition and/or consent of instructor

Provides an opportunity for students to continue with advanced study of singing and preparation of song repertoire on an individual basis. Public performance required.

Transfer: CSU; UC.

223 VOCAL JAZZ ENSEMBLE (3.0 to 2.0)

(Formerly MUS 23)

9.0 hours laboratory per week

Associate Degree Applicable

Prerequisite: Audition and/or consent of instructor

Advisory: Eligibility for ENGL 156.

Presents the study and performance of literature in the vocal jazz and popular music genre with emphasis upon vocal improvisation in the jazz and scat style. Student compositions and arrangements will be encouraged. Attendance at scheduled performances is required.

Transfer: CSU; UC.

224 VOCAL JAZZ WORKSHOP (2.0)

(Formerly MUS 24)

4.0 hours per week: (1.0 hours lecture, 3.0 hours laboratory)

Associate Degree Applicable

Prerequisite: Audition and/or consent of instructor

Practice and study vocal jazz literature and techniques. Introduce vocal jazz improvisation and vocal jazz harmonies.

Transfer: CSU; UC.

225 WIND ORCHESTRA (2.0)

(Formerly MUS 25)

4.0 hours per week: (1.0 hours lecture, 3.0 hours laboratory)

Associate Degree Applicable

Prerequisite: Audition and/or consent of instructor

Study and public performance of music written specifically for large wind orchestras (woodwinds, brass, and percussion). Limited to those students who have had experience with wind and percussion instruments.

Transfer: CSU; UC.

226 BAND (3.0 to 1.0)

(Formerly MUS 26)

9.0 hours laboratory per week

Associate Degree Applicable

Prerequisite: Ability to play a band instrument and audition and/or consent of instructor

Introduces the study and performance of appropriate wind ensemble literature with emphasis on developing repertoire for required public performances.

Transfer: CSU; UC.

227 INSTRUMENTAL SMALL ENSEMBLE (3.0 to 1.0)

(Formerly MUS 27)

9.0 hours laboratory per week

Associate Degree Applicable

Prerequisite: Ability to play a musical instrument and audition and/or consent of instructor

Presents the study and performance of appropriate literature for limited,

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.

Presents the study and performance of appropriate choral literature selected from the wide variety of historic eras and musical styles from the 16th Century to the present. Public performance required.

Transfer: CSU; UC.

229 CHAMBER SINGERS (2.0)
(Formerly MUS 29)

4.0 hours per week: (1.0 hours 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. Presents 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.

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. Advisory: Completion of MUS 239 or equivalent and concurrent enrollment in MUS 227.

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 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).

240 RECORDING ARTS I: FUNDAMENTALS OF AUDIO TECHNOLOGY**(3.0)**

(Formerly MUS 40)

4.0 hours per week: (3.0 hours lecture, 1.0 hours laboratory)

Associate Degree Applicable

Introduction to audio technology, including sound characteristics, signal flow, basic recording console functions, microphone types and techniques, signal processing, and mixing techniques.

*Transfer: CSU.***241 RECORDING ARTS II: STUDIO WORKSHOP****(3.0)**

(Formerly MUS 41)

4.0 hours per week: (3.0 hours lecture, 1.0 hours laboratory)

Associate Degree Applicable

Prerequisite: MUS 240

Provides the student with an in-depth introduction to audio equipment and techniques. Topics include basic studio procedures, equipment design and proper use of multitrack techniques using the Digidesign Pro Tools HD System and D-Command Console.

*Transfer: CSU.***242 RECORDING ARTS III: ADVANCED AUDIO TECHNOLOGY****(3.0)**

(Formerly MUS 42)

4.0 hours per week: (1.0 hours lecture, 3.0 hours laboratory)

Associate Degree Applicable

Prerequisite: Successful completion of Recording Arts I and II or other experience assessed by the instructor.

Provides an advanced study or new technologies, focusing on an in-depth look at recording, editing and mixing within the Digidesign HD Pro Tools environment and D-Command Console.

*Transfer: CSU.***243 RECORDING ARTS IV: STUDIO WORKSHOP II****(4.0)**

(Formerly MUS 43)

8.0 hours per week: (2.0 hours lecture, 6.0 hours laboratory)

Associate Degree Applicable

Prerequisite: Successful completion of Recording Arts I, II and III, or other assessed by the instructor.

This is a project based course that offers students studio time to track, edit, mix, master and create a portfolio of five sessions from a variety of musical sources selected by both the instructor and student.

*Transfer: CSU.***245 JAZZ WORKSHOP****(2.0)**

(Formerly MUS 45)

4.0 hours per week: (1.0 hours lecture, 3.0 hours laboratory)

Associate Degree Applicable

*Prerequisite: Audition**Advisory: Ability to play an instrument.*

The jazz workshop is a performance organization designed to acquaint the student with a wide variety of jazz and swing compositions, arrangers and guest soloists. Stresses stylistic interpretation and ensemble playing.

*Transfer: CSU; UC.***246 EVENING JAZZ ENSEMBLE****(2.0)**

(Formerly MUS 46)

4.0 hours per week: (1.0 hours lecture, 3.0 hours laboratory)

Associate Degree Applicable

Prerequisite: Audition or consent of instructor.

Provides experience reading, rehearsing and public performance of music arranged for large jazz group and will stress stylistic interpretation and ensemble playing. It is limited to a carefully balanced ensemble and attendance at scheduled performances is required.

*Transfer: CSU; UC.***247 INDEPENDENT STUDIES: MUSIC****(2.0 to 0.5)**

(Formerly MUS 47)

6.0 hours laboratory per week

Associate Degree Applicable

Prerequisite: Audition and/or consent of instructor

Provides an opportunity for an in-depth study or a practicum experience by an individual student in a selected topic of music under the direction of an instructor.

*Transfer: CSU; UC.***250 MUSICAL THEATRE WORKSHOP****(3.0)**

(Formerly MUS 50)

6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)

Associate Degree Applicable

*Prerequisite: Audition and/or consent of instructor**Co-requisite: Completion of or concurrent enrollment in MUS 203A or MUS 239**Advisory: Previous choral or dance experience is recommended.*

Develops skills for performance in Musical Theatre, including singing, acting, stage movement, and choreography. Public performance may be required. Same as DRA 250.

*Transfer: CSU; UC.***251 MUSICAL THEATRE PERFORMANCE****(3.0)**

(Formerly MUS 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 or audition and/or consent of instructor

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 DRA 251.

*Transfer: CSU; UC.***253 MASTER CHORALE****(2.0)**

(Formerly MUS 53)

4.0 hours per week: (1.0 hours 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. Public performance is required.

*Transfer: CSU; UC.***255 WORKSHOP IN INSTRUMENTAL ENSEMBLE MUSIC****(3.0)**

(Formerly MUS 55)

9.0 hours laboratory per week

Associate Degree Applicable

Prerequisite: Ability to play a musical instrument and audition and/or consent of instructor.

Presents the study and performance of appropriate instrumental ensemble and orchestral music selected from standard repertoires leading to a series of public performances.

*Transfer: CSU; UC.***256 ORCHESTRA****(3.0)**

(Formerly MUS 56)

3.0 hours lecture per week

Associate Degree Applicable

Prerequisite: Ability to play an orchestral instrument and audition and/or consent of instructor

Presents the study and performance of appropriate combined string and wind ensemble literature with the emphasis upon developing repertoire for required public performances.

Transfer: CSU.

- 258 ELEMENTARY PIANO (2.0)**
(Formerly MUS 58)
4.0 hours per week: (1.0 hours 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 (2.0 to 1.0)**
(Formerly MUS 59)
4.0 hours per week: (1.0 hours 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 (2.0 to 1.0)**
(Formerly MUS 60)
4.0 hours per week: (1.0 hours 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 (2.0)**
(Formerly MUS 62)
4.0 hours per week: (1.0 hours 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 CENT (2.0)**
(Formerly MUS 63)
4.0 hours per week: (1.0 hours 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 (2.0)**
(Formerly MUS 64)
4.0 hours per week: (1.0 hours 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 (2.0)**
(Formerly MUS 65)
4.0 hours per week: (1.0 hours 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 (4.0 to 0.5)**
(Formerly MUS 93)
Associate Degree Applicable
Examines a special topic in the field of study related to the discipline of offering this course.
- 193C INTERNATIONAL CHORAL MUSIC APPRECIATION (1.0)**
(Formerly MUS 93C)
2.0 hours per week: (0.5 hours lecture, 1.5 hours laboratory)
Associate Degree Applicable

NURSING ASSISTANT

- 125 EKG MONITOR OBSERVER (1.0)**
(Formerly NRAST 25)
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 (3.0)**
(Formerly NRAST 45)
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 (5.0)**
(Formerly NRAST 48)
18.0 hours per week: (6.0 hours lecture, 12.0 hours laboratory)
Associate Degree Applicable
Advisory: Eligibility for ENGL 156.
Presents 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 NRAST 93)

Associate Degree Applicable

Examines a special topic in the field of study related to the discipline of-fering 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: Admittance 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 multi-cultural 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: Admittance 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 multi-cultural 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 PSYCHIATRICALY 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
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.
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 nursing skills in a caring environment. Nursing skills will vary from the simple to the complex. Allows for demonstration and assessment of nursing skills and knowledge learned in nursing lecture and laboratory courses. Practice opportunities vary from highly structured to less structured simulated clinical situations. Note: 0.5 unit required in first, second, and third semester.
- 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.

247 INDEPENDENT STUDIES: NURSING (2.0 to 0.5)

(Formerly NRAD 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 nursing under the direction of an instructor.

Transfer: CSU.

193 NURSING 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.

000 NURSING PROGRAM SUCCESS SKILLS (1.0)

(Formerly NRAD 100)

6.0 hours lecture per week

Associate Degree Non-Applicable

Identification and application of skills designed to support success in the nursing program. Emphasizes effective study routines, time management, strategies for reading nursing texts, clinical preparation, establishing and running effective study groups. Test taking strategies specific to the NCLEX style test question are reviewed.

NUTRITION

210 NUTRITION (3.0)

(Formerly NUTR 10)

3.0 hours lecture per week

Associate Degree Applicable

Advisory: Eligibility for ENGL 156.

Examines nutritional needs throughout the life cycle including the interpretation of the chemical composition of food as applied to the utilization of nutrients in the body.

Transfer: CSU; UC.

211 INTRODUCTION TO NUTRITION FOR HEALTH PROFESSIONALS (3.0)

(Formerly NUTR 11)

3.0 hours lecture per week

Associate Degree Applicable

Advisory: ENGL 156.

This course is designed for current or prospective members of health professions such as nurses, physicians, physician assistants, dietitians, dentists, dental hygienists, physical therapists and occupational therapists. Studies the nutritional needs of the human life cycle. Examines the biological function and chemical classification of nutrients. Relates nutrition concepts to health and disease.

Transfer: CSU.

212 PRENATAL NUTRITION (1.0)

(Formerly NUTR 12)

3.0 hours lecture per week

Associate Degree Applicable

Examines the nutritional needs of the pregnant woman and developing fetus, including interpretation of food groups and their chemical composition as applied to the utilization of nutrients in the bodies of these particular individuals.

Transfer: CSU.

214 INFANT NUTRITION (1.0)

(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 (1.0)

(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 (3.0)

(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 (3.0)

(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 (3.0)

(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 (2.0 to 0.5)

(Formerly NUTR 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 nutrition under the direction of an instructor.

Transfer: CSU.

193 NUTRITION SPECIAL TOPIC (4.0 to 0.5)
(Formerly NUTR 93)
Associate Degree Applicable
Examines a special topic in the field of study related to the discipline offering this course.

193D MATERNAL & CHILD NUTRITION (3.0)
(Formerly NUTR 93D)
3.0 hours lecture per week
Associate Degree Applicable

193F FOOD SAFETY AND SANITATION (0.5)
(Formerly NUTR 93F)
4.5 hours lecture per week
Associate Degree Applicable

OCEANOGRAPHY

210 OCEANOGRAPHY (3.0)
(Formerly OCEAN 10)
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.

Transfer: CSU; UC.

210L OCEANOGRAPHY LABORATORY (1.0)
(Formerly OCEAN 10L)
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.

Transfer: CSU; UC.

247 INDEPENDENT STUDIES - OCEANOGRAPHY (4.0 to 0.5)
(Formerly OCEAN 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 Oceanography under the direction of an instructor.

Transfer: CSU.

ONLINE

101 INTRODUCTION TO ONLINE COURSES (0.5)
(Formerly ONLINE 1)
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 (3.0)
(Formerly PARAL 1)
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 (1.0)
(Formerly PARAL 2A)

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 (1.0)
(Formerly PARAL 2B)

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 (3.0 to 1.0)
(Formerly PARAL 3)

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.

Transfer: CSU.

105 CIVIL/LITIGATION PROCEDURES AND DOCUMENTS (3.0)
(Formerly PARAL 5)

5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)

Associate Degree Applicable

Prerequisite: CAO 162, CAO 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 (2.0)
(Formerly PARAL 6)

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 (3.0)
(Formerly PARAL 7)

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)

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 levels.

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

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 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 interpre-

tation, 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, strategems, 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 of offering this course.

193B PROGRESSIVE RESISTANCE TRAINING IN ATHLETICS (1.0)

(Formerly PEACT 93B)

9.0 hours laboratory per week
Associate Degree Applicable

193C TOTAL BODY FITNESS (1.0)

(Formerly PEACT 93C)

3.0 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.

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, rules 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).

PE ATHLETICS**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 chal-

lenges 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 of 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). CSU; UC.

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 and successful completion of advanced swimming instructions and a health-screening examination.

Provides instruction and practice in American Red Cross life-saving techniques. Reviews Red Cross swimming and life-saving courses. Red Cross certification as a Water Safety Instructor may be earned.

Transfer: CSU; UC (UC credit limit of 8 semester credits total in PETH courses).

222 LIFEGUARD TRAINING (2.0)
(Formerly PETHRY 22)

4.0 hours per week: (1.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable

Prerequisite: Successful completion of advanced swimming instruction and a health-screening examination are recommended

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.

209 WORLD RELIGIONS (3.0)
(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.

212 PHILOSOPHICAL CLASSICS IN THEORY OF REALITY AND OF KNOWLEDGE (3.0)
(Formerly PHIL 12)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 201A.
Presents an in-depth study of problems in the theory of reality and the theory of knowledge by means of a critical analysis of a selection of classics in philosophy.
Transfer: CSU; UC.

213 PHILOSOPHICAL CLASSICS IN ETHICS AND SOCIAL PHILOSOPHY (3.0)
(Formerly PHIL 13)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 201A.
Studies problems in ethics and social philosophy by critically analyzing a selection of classic texts.
Transfer: CSU; UC.

247 INDEPENDENT STUDIES: PHILOSOPHY (2.0 to 0.5)
(Formerly PHIL 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 or a practicum experience by an individual student in a selected topic of philosophy under the direction of an instructor.
Transfer: CSU.

PHYSICAL SCIENCE

201A PHYSICAL SCIENCE: PHYSICS AND CHEMISTRY (3.0)
(Formerly PHYSICI 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).

201AL PHYSICAL SCIENCE LAB (1.0)
(Formerly PHYSICI 1AL)
3.0 hours laboratory per week
Associate Degree Applicable
Prerequisite: Completion of or concurrent enrollment in PSCI 201A or equivalent
Applies laboratory principles developed in Physical Science: Physics and Chemistry.
Transfer: CSU; UC (For UC, no credit if taken after a college level course in Chemistry or Physics).

201B PHYSICAL SCIENCE: ASTRONOMY AND GEOLOGY (3.0)
(Formerly PHYSICI 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

205A GENERAL PHYSICS (4.0)
(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).

205B GENERAL PHYSICS (4.0)
(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).

208A PRINCIPLES OF PHYSICS (5.0)
(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 statics and dynamics of particles and rigid bodies, fluids, harmonic motion, heat and thermodynamics using calculus.
Transfer: CSU; UC (For UC, credit for one series only between PHYS 205A-205B and PHYS 208A-208B-208C).

208B PRINCIPLES OF PHYSICS (5.0)
(Formerly PHYS 8B)
7.0 hours per week: (4.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: PHYS 208A and MATH 265B
Presents the principles of wave motion, sound, geometric and physical optics, static and dynamic electricity and magnetism, 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).

208C MODERN PHYSICS (3.0)
(Formerly PHYS 8C)
3.0 hours lecture per week
Associate Degree Applicable
Prerequisite: PHYS 208B
Presents the principles of relativity, waves and particles, Bohr theory, quantum mechanics and Schrodinger'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.
Presents a survey of physical laws and principles involved in classical and modern physics. 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).
- 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
Presents the basic physics principles of statics and dynamics of particles and rigid bodies, fluids, heat, gases, and waves.
- 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.
- POLITICAL SCIENCE**
- 201 INTRODUCTION TO POLITICAL SCIENCE (3.0)**
(Formerly POLSCI 1)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 156.
Surveys the scope, methods and theories of political science with special emphasis on contemporary political issues and problems.
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.
Presents an introduction to the institutions, operation, and policy outputs of the American political system at the national, state, and local levels. The structures and functions of American government will be explored in the context of their historical development and their relation to political power and interest today.
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.
Examines the nature of relations among states. Analyzes the basic forces affecting the formulation of foreign policy and the dynamics of international politics. Emphasizes contemporary problems affecting the United States of America in relation to other nations of the world.
Transfer: CSU; UC.
- 205 LAW AND POLITICS (3.0)**
(Formerly POLSCI 5)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: ENGL 201A.
Introduces the political and constitutional context of major legal controversies, including but not limited to civil rights, civil liberties, presidential versus congressional power, and national versus state and local power.
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.
Studies and compares constitutional principles, institutions, governments, and political problems of selected foreign countries and regions. Emphasizes current political philosophies, developments, institutions, and practices on a regional basis.
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.
Surveys the diversity of ideas and concepts in political thought from the ancients to the present, from Plato to contemporary feminism.
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.

401 HSD NON-CREDIT BASIC SKILLS POLITICAL SCIENCE (0.0)
(Formerly POLSCI 401)

20.0 hours lecture per week

This is an elective course towards a high school diploma. Political Science is designed to acquaint the student with the organization and mechanics of our federal, state, and local systems of government. Students will study the basic ideals of American democracy as well as contemporary issues relevant to American government.

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

Presents principles of Mental 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 competent 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

Introduces concepts of care for the developmentally disabled. Presents causes, prevention, and treatment of developmentally disabled disorders. Provides practice and the rise of rehabilitative methods, problem solving, and communication in providing client care.

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

Introduces psychological and mental health concepts. Presents causes, prevention, and treatment of mental, emotional and behavior disorders. Provides practice in interpersonal skills, self understanding, problem solving, communication, and the use of rehabilitative methods in providing client care.

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

Introductory 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 of-fering this course.

PSYCHOLOGY

201 INTRODUCTORY PSYCHOLOGY (3.0)
(Formerly PSYCH 1A)

3.0 hours lecture per week
Associate Degree Applicable

Advisory: ENGL 156.

Introduces the field of psychology through a study of the facts and principles involved in learning, development, motivation, personality adjustment and the physiological and social bases of behavior. Presents basic concepts, vocabulary and methods of psychology. Emphasis is placed on those concepts which relate to an understanding of human behavior

Transfer: CSU; UC.

202 INTRODUCTION TO BIOLOGICAL PSYCHOLOGY (3.0)
(Formerly PSYCH 2)

3.0 hours lecture per week
Associate Degree Applicable

Prerequisite: PSYC 201

Presents an analysis of the biological bases of behavior in terms of evolutionary, genetic, anatomical and physiological determinants. Examines heredity, development, sensory processes and the function of the nervous and endocrine systems.

Transfer: CSU; UC.

206 INTRODUCTION TO SOCIAL PSYCHOLOGY (3.0)
(Formerly PSYCH 6)

3.0 hours lecture per week
Associate Degree Applicable

Advisory: PSYC 201.

Introduces the basic concepts, principles, issues and methods useful in understanding social behavior. Emphasizes social thinking and influence, attitudes, biases, group structure and conflict.

Transfer: CSU; UC.

233 PERSONALITY AND ADJUSTMENT (3.0)
(Formerly PSYCH 33)

3.0 hours lecture per week
Associate Degree Applicable

Prerequisite: PSYC 201

Presents theories in the study of personality. Includes a comparison of healthy and unhealthy developmental patterns. Emphasizes self-management techniques as a means of understanding and changing behavior.

Transfer: CSU; UC.

247 INDEPENDENT STUDIES: PSYCHOLOGY (2.0 to 0.5)
(Formerly PSYCH 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 psychology under the direction of an instructor.

Transfer: CSU.

401 HSD NON-CREDIT BASIC SKILLS PSYCHOLOGY (0.0)
(Formerly PSYCH 401)

20.0 hours lecture per week

This is an elective course towards a high school diploma. Psychology is designed to introduce students to the vast diverse field of psychology. The students will learn who they are, what motivates them, what people think, and a myriad of other questions about themselves and other people. They will begin to explore the science of human behavior through guest speakers, lectures, and readings. The scope of study will be an introduction to psychology, the exploration of the conscious and unconscious mind, the developmental processes throughout the lifespan, personality development, and psychological disorders and therapeutic methods.

REAL ESTATE**147 INDEPENDENT STUDIES: REAL ESTATE (2.0 to 0.5)**
(Formerly RE 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 Real Estate under the direction of an instructor.

160 REAL ESTATE PRINCIPLES (3.0)
(Formerly RE 60)

3.0 hours lecture per week

Associate Degree Applicable

Advisory: Eligibility for ENGL 156.

Presents basic real estate terminology and provides a general overview of the industry. Covers real estate law, finance, appraisal, construction, es-crow, and career opportunities. Meets the Department of Real Estate's pre-licensing requirements.

162 REAL ESTATE PRACTICES (3.0)
(Formerly RE 62)

3.0 hours lecture per week

Associate Degree Applicable

Prerequisite: RE 160

Studies the activities of the broker and salesperson in the real estate business. Includes the real estate office, listings, various disclosure forms, evaluation of listings, prospecting, advertising, exchanges, property management and leasing, land utilization and development, public relations, supervision of sales force, and ethics of the real estate business.

163 LEGAL ASPECTS OF REAL ESTATE (3.0)
(Formerly RE 63)

3.0 hours lecture per week

Associate Degree Applicable

Advisory: Eligibility for ENGL 156.

Introduces the legal aspects and current laws pertaining to real estate.

164 REAL ESTATE FINANCE (3.0)
(Formerly RE 64)

3.0 hours lecture per week

Associate Degree Applicable

Advisory: Eligibility for ENGL 156.

Introduces principles and practices of real estate finance. Emphasizes financing and techniques employed in originating and servicing home loans.

165 REAL ESTATE APPRAISAL (3.0)
(Formerly RE 65)

3.0 hours lecture per week

Associate Degree Applicable

Prerequisite: RE 160 and eligibility for ENGL 156 is recommended

Provides an introduction to the appraisal process and the different approaches, methods, and techniques used to determine the value of property. Emphasis is on single-unit residential properties. Fulfills a portion of the California educational requirements for the broker's examination.

168 REAL ESTATE ECONOMICS (3.0)
(Formerly RE 68)

3.0 hours lecture per week

Associate Degree Applicable

*Prerequisite: RE 160**Advisory: Eligibility for ENGL 156 or equivalent*

Presents a basic overview of the factors that influence changes in real estate uses and values. Utilizes economic principles, both macro and micro,

to analyze the impact that national, regional, community, and neighborhood trends have on real estate uses and values. Meets a portion of the CA Dept. of RE education pre-licensing requirements.

169 REAL ESTATE PROPERTY MANAGEMENT (3.0)
(Formerly RE 69)

3.0 hours lecture per week

Associate Degree Applicable

*Prerequisite: RE 160**Advisory: Eligibility for ENGL 156 or equivalent*

Presents a comprehensive introduction into the principles and practices of Real Property Management from the property manager's perspective. Course covers residential, special housing, retail, office, and industrial property management. Emphasis on practical application of property management principles.

193 REAL ESTATE SPECIAL TOPIC (4.0 to 0.5)
(Formerly RE 93)

Associate Degree Applicable

Examines a special topic in the field of study related to the discipline of offering this course.

SOCIOLOGY**201A INTRODUCTION TO SOCIOLOGY (3.0)**
(Formerly SOC 1A)

3.0 hours lecture per week

Associate Degree Applicable

Advisory: Eligibility for ENGL 156.

Introduces the basic principles of sociology including the study of the structure of human society, and the structure and process of group life.

*Transfer: CSU; UC.***201B SOCIAL INSTITUTIONS (3.0)**
(Formerly SOC 1B)

3.0 hours lecture per week

Associate Degree Applicable

Advisory: SOC 201A and eligibility for ENGL 156.

Studies the major social institutions (family, economy, religion, education, and politics) including their structures and functions. Considers major works and draws comparisons between our institutions and those of other societies.

*Transfer: CSU; UC.***202 SOCIAL PROBLEMS (3.0)**
(Formerly SOC 2)

3.0 hours lecture per week

Associate Degree Applicable

Advisory: SOC 201A and eligibility for ENGL 156.

Examines current social problems and the sociological concepts, theories, and methods used in their analysis. Emphasis is on the role of power and ideology in the definition of social problems, the causes and consequences of social problems, and the methods of intervention. Topics include crime, poverty, gender inequality, race/ethnic inequality, and family problems.

*Transfer: CSU; UC.***204 INTRODUCTION TO CRIMINOLOGY (3.0)**
(Formerly SOC 4)

3.0 hours lecture per week

Associate Degree Applicable

Advisory: SOC 201A and eligibility for ENGL 156.

Introduces the basic principles of criminology including the various theories of criminal behavior and the processing of delinquency and crime including arrest, trial, detention, and release from prison.

Transfer: CSU.

- 206 MINORITY GROUP RELATIONS (3.0)**
(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 (3.0)**
(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 (4.0)**
(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 (4.0)**
(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 of fering 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 a basic level. Students will acquire additional basic vocabulary and grammar structures, including the regular and irregular preterit tense, imperfect tense, commands, interrogatives, the future tense, comparisons, and direct and indirect object pronouns. 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.

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 which stress the integration of textbook learning with real world language applications.

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

Presents an introduction 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.

Building, defending, and refuting arguments in formal and informal settings. Evaluation and use of evidence, reasoning, and sources. Emphasis on oral advocacy and debate skills such as organization, refutation, cross examination, and audience adaptation. Students will debate and communicate arguments orally.

Transfer: CSU; UC.

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 of offering this course.

VOCATIONAL 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.

704 ENGLISH FOR BASIC OFFICE SKILLS (0.0)

(Formerly VESL 704)

2.0 hours per week: (0.5 hours lecture, 1.5 hours laboratory)

Advisory: Completion of ESL 701 and VESL 703 or equivalent.

Focuses on language skills, computer vocabulary and terminology used in the automated office environment. Additional focus will be on knowledge and procedures for responding to computer messages and problem-solving.

713 COMMUNICATION SKILLS FOR CUSTOMER SERVICE (0.0)

(Formerly VESL 713)

2.0 hours per week: (0.5 hours lecture, 1.5 hours laboratory)

Advisory: Completion of ESL 703 (Beginning High) or VESL 702, or equivalent language skills.

Presents verbal communication skills for customer service needed in job settings such as hospitality, janitorial, landscaping and housekeeping positions. Students learn to handle customers, engage in small talk with co-workers, discuss work performance with supervisors and, in general, be able to participate in conversations in a variety of work situations.

715 COMMUNICATION SKILLS FOR WORKPLACE (0.0)

(Formerly VESL 715)

2.0 hours per week: (0.5 hours lecture, 1.5 hours laboratory)

Focuses on the basic verbal communication skills and cultural knowledge needed in job readiness and job search in the United States.

WELDING**247 INDEPENDENT STUDIES: METALS TECHNOLOGY (2.0)**

(Formerly WELD 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 Welding Technology area with support and direction from an instructor.

*Transfer: CSU.***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

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.

*Transfer: CSU.***273 METALLURGY (3.0)**

(Formerly WELD 73)

5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)

Associate Degree Applicable

Emphasizes the mechanical and physical properties of ferrous and non-ferrous metals. Includes preparation and inspection of metal samples and manufacturing and forming processes.

*Transfer: CSU.***175 BLUEPRINT READING AND MATERIALS PROCESSING (2.5)**

(Formerly WELD 75)

4.5 hours per week: (1.5 hours lecture, 3.0 hours laboratory)

Associate Degree Applicable

*Prerequisite: WELD 270A, and completion of or concurrent enrollment in WELD 270B.**Advisory: MATH 123.*

Provides students with instruction and experience with structural, architectural and shop blueprints commonly utilized in the welding industry. Interpretation, drawing, and application of skills will be applied to determining job cost, material acquisition and project construction.

176 WELDING POWER (2.5)

(Formerly WELD 76)

4.5 hours per week: (1.5 hours lecture, 3.0 hours laboratory)

Associate Degree Applicable

Applies principles of selection, maintenance, diagnostics and repair of various welding power supplies and external drive mechanisms. Includes instruction and hands on experiences in electrical principles as they pertain to machine selection, installation, operation and maintenance. Manual, semiautomatic and automatic equipment will be included as focus topics for this course.

277 METAL FABRICATION (3.0)

(Formerly WELD 77)

6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)

Associate Degree Applicable

Prerequisite: WELD 270A

Provides an opportunity to design and construct major projects from metal. Manufacturing processes and production techniques are included in planning and developing projects.

*Transfer: CSU.***280 WELDING CERTIFICATION (4.0 to 3.0)**

(Formerly WELD 80)

8.0 hours per week: (2.0 hours lecture, 6.0 hours laboratory)

Associate Degree Applicable

Prerequisite: Completion of or concurrent enrollment in WELD 270B

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.

*Transfer: CSU.***193 WELDING TECHNOLOGY SPECIAL TOPIC (4.0 to 0.5)**

(Formerly WELD 93)

Associate Degree Applicable

Examines a special topic in the field of study related to the discipline of offering 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 of-fering 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 weld-ing. Begins with the fundamentals and quickly progresses through inter-mediate skills for welding steel. Includes information on cutting, braze welding, metallurgy, vertical arc welding and non-ferrous welding. An em-phasis is placed on developing good manipulative welding skills for join-ing 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 en-durance, 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 exer-cise 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 atti-tude, 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 interac-tive 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.

- 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

BALFOUR, D.M.E., WARREN H. (1973-2001)

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

BOWEN, TERRY C. (1978-2004)

Physical Education

BOWEN, JOHN E.* (1965-1988)

Physical Sciences and Mathematics

BRUNDAGE II, JOE R. (1965-2003)

Physical Sciences

BURSEY, VICTORIA D. (1989-2006)

English

CANNEY, D.A., DANIEL J. (1966-1995)

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

ERICKSON, LENORE A. (1967-2000)

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

HENDRICKS, JUDITH E. (1987-2003)

Human Development

HESSON, J. C. (1965-1995)

Language Arts

HITCHMAN, RICHARD J. (1967-2003)

Social Sciences

JOHNS, MARVIN (1984-1995)

Physical Sciences and Mathematics

JOHNSON, JOYCE R. (1965-1986)

Business Education

JOHNSON, RICHARD E. (1989-2005)

English

KANBARA, JACK N. (1969-1990)

Library Services

KELLEY, JAMES DAVID (1965-1990)

Social Sciences

LAGOMARSINO, PETER (1976-2008)

Construction

LANE, IRENE O. (1969-1986)

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

MEISSNER, GARY C. (1971-2002)

Physical Education

NELSON, DARLENE L. (1986-2004)

Learning Skills/Disabled Students Programs and Services

NUNEZ, DANIEL J. (1972-1992)

Engineering and Technology

*Deceased

PANTER, DWIGHT (1976-2004)

Engineering and Technology

PEDERSEN, PETE K. (1971-2006)

Biological Sciences

PELFREY, ROBERT H. (1972-2003)

Fine Arts

PETER, GILBERT M.* (1966-1993)

Physical Sciences and Mathematics

PLATOU, HARALD S. (1965-1989)

Biological Sciences

PLATOU, TEOFILA A. (1968-1991)

Nursing and Allied Health

PLATT, JR., HUGH H. (1981-1999)

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

SHELTON, EUGENE R. (1969-1995)

Language Arts

STANFORD, PH.D., BARBARA (1971-1992)

Social Sciences

STONE, RICHARD M. (1971-2002)

Business Education

STOUT, LELAND K. (1971-1988)

Engineering and Technology

THOMPSON, SAE, FIAE, STANLEY E. (1970-1998)

Engineering and Technology

THORUP, PH.D., H. CHRISTIAN* (1966-1995)

Social Sciences

TOMLINSON, ROBERT S. (1966-1987)

Language Arts

WELCH, D.A., C. LEE (1965-1991)

Physical Sciences and Mathematics

CHOATE, DEAN (1975-1992)

Director of Building Maintenance and Operations

DRESSLER, ED.D., SUSAN J. (1992-2005)

Assistant Superintendent/Vice President, Instructional Services

EISENBISE, PH.D./LL.D., MERLIN E.* (1964-1977)

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

GARRETT, RICHARD L. (1967-1989)

Director of Student Affairs

GEORGE, ED.D., BARBARA H. (1977-2004)

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

HAGEN, PH.D., PETER F. (1988-2004)

Director of Matriculation and Research Services

HANSEN, WARREN E. (1965-2001)

Director of Athletics and Physical Education

HENDRICKS, ORVILLE L. (1966-1998)

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

MILLER, WILMA J. (1971-2000)

Director of Fiscal Services

MITCHELL, ED.D., GRACE N. (1989-1999)

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

STORK, ED.D., GILBERT H. (1967-2004)

Assistant Superintendent/Vice President, Student Services

WAMBOLT, CONNIE (1981-1998)

Director of Community Services

EMERITI: MANAGEMENT

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.

BENNETT, SIDNEY S. (1968-1995)

Counseling Services/Director of Career-Transfer Center and Job Placement

BOOTH, JUANITA A.* (1966-1975)

Director of Nursing Programs

CEMENTINA, ED.D., ERNEST G. (1966-1992)

Dean of Instruction, Humanities

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

HOLLENBACH, PAULA (1965-1983)

Business Services

HOLLENBACH, ROBERT* (1966-1981)

Physical Education

HUNSAKER, PAM (1977-2003)

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

ADVISORY COMMITTEES

Disabled Student Programs & Services (DSPS)

Scott Black
Margaret Chaix
Gerald Clare
Bill Dejarnette
Trey Duffy
Allen Hilton
Sarah Leavenway
Jeannie LeLeaux
Chris Parker-Kennedy
Marilyn Pedroni
Walt 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 Ewart
Charles Hiigel
John Knutson
Harry Schade
Henry Sullivan

Senior Advisory Group for Education (SAGE)

Catharina Bybee
Glenna Deane Davey
Marilyn Darnell
Ginny Dobias
Ray Easton

Dorothy Ellis
Shirley Ferguson
Matthew Green
Claudia Harper
Homer Hoyt
Al Lane
Henrietta Lichtenbaum
Susan Pavlak
Harry Schade
Gil Stork
Janice Strom
Karen Tacket
Eleanore Walt

Small Business Development Center

Clay Appleton
Evan Augsburg
Ray Johnson
Brian Kearns
Joanne Main
Norma Moye
Bob Mulrooney
Davina Palazzo
Bill Rabenaldt
Toni Sommer
Andrea Zeller

Tech Prep

John Barnhart
Rich Becker
Peter Smith
Susan Clayton
Jeanne Eggert
Jim Fortinakes
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
Tracy Buckingham
Robin Crawford
Franky Curiel
Susan Fuller
Connie Gannon
Jan Gillette
Matthew Green
Stephan Gunsalus
Julianne Jackson
Rochell Long
Jan Maitzen

Mimi Naish
Karen Robert
Sabrina Robertson
Peppe Rose
Lee Rosenwasser
Kathleen Schaefer
Toni Sommer
Karen Tacket
Sheri Wilson

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 Allred
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.
Dorothy Teola
Cathie Tetreaul
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 Rizzoli
Jeff Spevack
John Villa

Broadcast Communications

Lyn Baker
Jim Baker
Garry Brown
Bruce Brown
Marcy DeGarimore
Brandon Downing
Ed Merrill
Simo Nylander
Maryann Stansfield
Bill Tommey
Marisa Waddell
Theo Waddell
Darrell Wenhardt

Business Administration

Steve Adamski
Justin Baldwin
Jim Brabeck
Jeff Brinkley
Pamela Cartland, 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 Kissinger
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
Santee 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
Cynde Felche
Janice Felde
Lisa Fraser
Janet Green
Linda McClure
Joan Merson
Brenda Matthyse
Ellen Pezo
Biz Steinberg
Janet Tingley
Paula Tripp
Sue Waterbury

Electronics and Network Technology

Harold Hallikainen
Roger Korte
Steve Kautz
Mark Persky
Ty Safreno
Ed Stettler
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
Erlich Koberl
Susan Morris
George Newland
J. P. Patel
Pragna 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

Traci Robichaud
Sherri Ross
Gary Rubin
Pat Stevens
Catherine Tate
Peter Terhune

Registered Nursing

Kristine Blanchard
Barbara Broesma
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 Werst
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)
 The Joseph T. and Amy Silva Arsenio Endowment (1998)
 Ed Atkinson Memorial Nursing Scholarship (1978)
 Frank and Josephine Avila Endowment Fund (1993)
 Bessie Barnes Scholarship (1989)
 Sid and Bonnie Bartholow Scholarship (2002)
 Baywood Park Women's Club Scholarship Endowment (1973)
 Martha C. Bennett Nursing Endowment (2005)
 Nellie Bjorn Nursing Scholarship (2002)
 Earle B. and Diane P. Blakeslee Endowment Fund (1988)
 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 Burkhardt Endowment (1991)
 The Pete Cagliero 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)
 John K. and Vivian B. Christian Scholarship (1999)
 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)
 Rev Doctor Sharon Rose 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 Diffley 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)
 The Farrer Family Women in Technology Scholarship Fund (2000)
 Vicki Farrer Endowment (1989)
 Finley-Kolemaine Scholarship (2002)
 Frady 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 Women'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)
 Wendi Lawless Interior Design Endowment Fund (1999)
 League of Women Voters Scholarship in Memory of Beverly Hund (1993)
 Virgie L. Lebo Scholarship Endowment (1996)
 Milton and Margaret Levy Endowment Scholarship Fund (1989)
 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 (1987)
 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 (1997)
 The Marianne Michels College for Kids Memorial Scholarship (1998)
 Military Officers Association of America Ladies (MOAAL) Scholarship (1991)
 Jean Ann Miller Memorial Endowment (1995)
 B.T. and Bonnie Mills Scholarship Fund (2000)
 Grace N. Mitchell Opportunity Scholarship (1999)
 Arletta Dennis Moore Scholarship Fund (1991)
 J. Neil Moses Scholarship (1986)

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 Peart-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)

The Linnaea Phillips Endowment (1998)

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)

Jessie H. Ray Encouragement Endowment (1991)

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 Sargen Endeavor Scholarship (2005)

John G. Schaub Memorial "Dean's" Award (1999)

The Carl and Carol Schliep Fund (1983)

Paul and Katherine Schmitt Scholarship Fund (2002)

Scholarship Endowment for Nursing Students (1989)

The Schwartz Family (Stella, Barney, Dorothy, Mary, and Dale) Scholarship (1999)

Schwartz-Studer Scholarship Fund (2000)

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 Stodolka 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)

Mickey Testa Memorial Scholarship (1998)

Wanetta Thomas Endowment Fund (1984)

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 Warten Scholarship (1997)

Ruth Whipple and Genevieve Coolidge Endowment (1972)

Wilhelm Book Endowment Fund (1993)

Hassiba 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

Esteros 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

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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, BRET (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)

LANGUAGES 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

BOLING, SEAN (2000)

ENGLISH

B.A., University of Santa Cruz;
M.A., San Francisco State University

BONTENBAL, KEVIN (1997)

LIBRARY/LEARNING RESOURCES

B.A., California State University, Chico;
M.L.S., Syracuse University, New York
Ed.D., University of California, Santa Barbara

BOWER, DONNA (2001)

ENGLISH AS A SECOND LANGUAGE

B.A., M.A., California State University, Fresno

BRADY, LINDA (1999)

COUNSELING SERVICES

B.A., University of California, Los Angeles;
M.A., M.S., California Polytechnic State University, San Luis
Obispo

BRAMSEN, TRICIA (1983)

HUMAN DEVELOPMENT

B.S., California Polytechnic State University, San Luis Obispo

BRENNAN SMITH, SCOTT (2005)

FINE ARTS

B.A., San Diego State University;
M.A., California State University, Chico;
M.A., University of California, Davis

BRUDNEY, KENT (1990)

SOCIAL SCIENCES

B.A., University of California, Berkeley;
M.A., Ph.D., University of California, Los Angeles

CARRA, HEDY (1997)ACADEMIC SUPPORT/DISABLED STUDENT
PROGRAMS AND SERVICES

B.A., M.A., California Polytechnic State University, San Luis
Obispo

CHAMBERS, LEILA (2001)

BUSINESS EDUCATION

B.S., California Polytechnic State University, San Luis Obispo;
M.B.A., University of La Verne

CHELSEN, DENISE (2006)

MATHEMATICS

B.S., M.S., California Polytechnic State University, San Luis Obispo

CLARK, BRET (2005)

PHYSICAL SCIENCES

B.S., M.S., California Polytechnic State University, San Luis Obispo

CLAYTON, PETRA (1992)

LANGUAGES AND COMMUNICATIONS

B.A., M.A., University of California, Riverside

COCKE, PEET (2001)

FINE ARTS

B.A., San Diego State University
M.F.A., University of Southern California

CONKLIN, EDWARD (1990)

ENGLISH

B.A., California State University, Long Beach;
M.A., University of California, Irvine

COREY, JEAN (2004)

NURSING/ALLIED HEALTH

A.A., San Jose City College;
B.S., Sonoma State University;
M.A., University of California, San Francisco

CURTIS, LISA (2001)ACADEMIC SUPPORT/DISABLED STUDENT
PROGRAMS AND SERVICES

B.S., M.A., California Polytechnic State University, San Luis
Obispo

CYR, CATHERINE (2004)

NURSING/ALLIED HEALTH

B.A., San Jose State University;
B.A., M.P.A., University of San Francisco

DEFRAGA, LISA (2005)

SOCIAL SCIENCES

B.A., Pomona College;
M.A., San Francisco State University

DEMAREST, SALLY (2000)

ENGLISH

B.A., Indiana University;
M.Ed., University of North Carolina, Greensboro;
M.A., California Polytechnic State University, San Luis Obispo

DEVITT, ANDREA (2006)

COUNSELING SERVICES

B.A., Loyola Marymount University;
M.A., California State University, Dominguez Hills

DIAZ, DAVID (1988)

PHYSICAL EDUCATION

B.S., M.S., California Polytechnic State University, San Luis
Obispo;
Ph.D., NOVA Southeastern University, Florida

DILL, PETER (1990)

SOCIAL SCIENCES

B.A., Stanford University;
M.A., University of California, Irvine

DOWNING, TANYA (2004)

BUSINESS EDUCATION

B.A., M.A., California Polytechnic State University, San Luis
Obispo

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, JANI (2002)

PHYSICAL EDUCATION

B.S., California Polytechnic State University, San Luis Obispo;

M.S., Southern Illinois University, Carbondale

JOHNSTON, 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

MC GEE, 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

MEDEIROS TAYLOR, MADELINE (2005)

ENGLISH AS A SECOND LANGUAGE

B.A., M.A., California State University, Chico

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, GLENDA (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

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, J. AMES (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

ACHTERKIRCHEN, 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

WORKFORCE 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

LANGUAGE 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

BECHER, 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., Lesely University

BRAUN, CHRISTINE

PHYSICAL SCIENCES

M.S., Ecole Nationale Supérieure 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

B.A., The American College, London, England

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, MARILYNE

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., D.M.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

DETOMASO, 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

FOURNIER, ELAINE
PERFORMING ARTS

B.A., M.A., California Polytechnic State University, San Luis Obispo

FRANKLIN, JULIE
HUMAN DEVELOPMENT

B.S., California Polytechnic State University, San Luis Obispo

FUESS, KATHERINE
SOCIAL SCIENCES

B.A., M.A., Michigan State University

FULLWOOD, RALPH
PHYSICAL SCIENCES

B.A., Texas Technological University;
M.A., Harvard University, Massachusetts

GAISI, NORA
SOCIAL SCIENCES

B.A., University of North Carolina;
M.A. Hunter College, New York

GALANTI, TERA
FINE ARTS

B.A., M.A., California State University, Long Beach

GANES, CLYDE
ENGINEERING AND TECHNOLOGY

B.S., University of Redlands

GARNSEY, CHERYL
BUSINESS EDUCATION

B.A., California State University, Fresno;
M.A., Chapman University

GARY, FRANK
WORKFORCE AND ECONOMIC DEVELOPMENT
PROGRAMS

B.A., San Jose State University

GARZA, KAREN
ENGLISH AS A SECOND LANGUAGE

B.A., Humboldt State University;
M.A., San Jose State University

GAW, CYNTHIA
ENGLISH

B.A., M.A., California Polytechnic State University, San Luis Obispo

GEE, MARYSUE
PERFORMING ARTS

B.A., M.A., Morehead State University, Kentucky

GEIBEL, WILLIAM
WORKFORCE AND ECONOMIC DEVELOPMENT
PROGRAMS

B.A., California State College, Fullerton

GENET, CHERYL
SOCIAL SCIENCES

B.A., M.A., California State University, Fullerton

GENET, RUSS
PHYSICAL SCIENCES

B.A., University of Oklahoma;
M.A., Air Force Institute of Technology;
Ph.D., Union Institute & University

GERICH, ROBERT
SOCIAL SCIENCES

B.A., California Polytechnic State University, San Luis Obispo;
M.A., California State University, Chico

GERMAN, EUGENIA
PERFORMING ARTS

B.A., Rubin Academy of Music, Israel;
M.A., University of Denver, Colorado

GIN, SUE
PHYSICAL EDUCATION

B.A., California State University, Fresno;
M.A., University of Arizona, Tucson

GLAVAN, TIFFANY
BIOLOGICAL SCIENCES

B.A., Tufts University, Medford, MA

GLIDDEN, STEDMAN
MAHEMATICS

B.A., California State University, Long Beach;
M.A., Wesleyan University, Middletown, CT

GOLDEN, MARY
WORKFORCE AND ECONOMIC DEVELOPMENT
PROGRAMS

B.A., Washington State University;
M.F.A., Colorado State University

GOLDINER, ARTHUR
SOCIAL SCIENCES

B.A., Skidmore College, Saratoga Springs, NY;
M.A., New York University

GORDON JOHNSON, PAMELA MICHELE
HUMAN DEVELOPMENT

B.A., University of California, Santa Barbara;
M.A., Sonoma State University

GREENAWAY, SCOTT
ENGINEERING AND TECHNOLOGY

B.S., California Polytechnic State University, San Luis Obispo

GROVER, L. JOANN
ENGINEERING AND TECHNOLOGY

B.A., California Polytechnic State University, San Luis Obispo

GUGLIELMO, SARAH
PHYSICAL EDUCATION

B.S., M.S., California Polytechnic State University, San Luis Obispo

GUNDERSON, MATT

ENGINEERING AND TECHNOLOGY

West Valley Occupational, Los Angeles

HAFLEY-KLUVER, HAILA

HUMAN DEVELOPMENT

B.A., M.A., Pacific Oaks College

HAGGMARK, JENNELLE

WORKFORCE AND ECONOMIC DEVELOPMENT PROGRAMS

B.A., University of California, Santa Barbara;

M.A., California State University, Fresno

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

LIDLAW, 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

LOHMAN, 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

MAROTTO, EMILY
BIOLOGICAL SCIENCES

B.S., University of Vermont;
M.S., California Polytechnic State University, San Luis Obispo

MARTIGNONI, KELLI
BUSINESS EDUCATION

B.A., California State University, Fresno

MARTIN, SADIE
ENGLISH

B.A., M.A., California Polytechnic State University, San Luis
Obispo

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

MILLICH, 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

MONTEATH, 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

MUSOLFE, 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

NAPOLI, MIKE

PHYSICAL EDUCATION

B.A., California State University, Chico

NASH, SUE

FINE ARTS

B.A., M.A., Ph.D., University of North Texas

NEIDHARDT, KATHERINE

SOCIAL SCIENCES

B.A., M.A., Humboldt State University

NIEBUHR, DAVID

PHYSICAL SCIENCES

B.S., California Polytechnic State University, San Luis Obispo;
Ph.D., Oregon Graduate Institute

NORDHUS, LYNN

NURSING/ALLIED HEALTH

A.S., Cuesta College

NYSTROM, ROCHE

PHYSICAL EDUCATION

B.A., California State University, Fresno

O'BRIEN, JENNIFER

PHYSICAL EDUCATION

B.S., California Polytechnic State University, San Luis Obispo;
M.A., University of Arizona

O'NEILL, MEGAN

BIOLOGICAL SCIENCES

B.S., M.S., California Polytechnic State University, San Luis Obispo

OLDS, ALEXIS

LANGUAGES AND COMMUNICATIONS

B.A., M.A., San Jose State University;
Ph.D., University of Utah

OLIVARES ARANDA, MARIA

LANGUAGES AND COMMUNICATIONS

M.S., University of Chile

OLSON, DONALD

PHYSICAL EDUCATION

B.A., University of La Verne;
M.A., University of California, Los Angeles

ORTIZ, NORMA

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

ORTON, PAUL

WORKFORCE AND ECONOMIC DEVELOPMENT PROGRAMS

B.S., M.Ed., University of Illinois

PAGE, RANDOLPH

NURSING/ALLIED HEALTH

B.S., University of Arizona;
A.S., Regent's College, Albany, NY

PARKER, MARY

NURSING/ALLIED HEALTH

B.S., Florida State University;
M.S., University of Florida;
Ed.D., Brigham Young University

PELFREY, ROBERT

FINE ARTS

B.A., University of California, Los Angeles;
M.A., California State University, Los Angeles

PELUSO, MARTA

FINE ARTS

B.A., Allegheny College, Pennsylvania;
M.F.A., University of California, Davis

PENDERGAST, JAMES

WORKFORCE AND ECONOMIC DEVELOPMENT PROGRAMS

B.S., Humboldt State University;
M.F.A., San Jose State University

PERRIN, ROBIN

PHYSICAL EDUCATION

B.S., California Polytechnic State University, San Luis Obispo

PERRY-BOADA, AMITY

BUSINESS EDUCATION

B.A., California Polytechnic State University, Pomona

PETERS, GARY

SOCIAL SCIENCES

B.A., M.A., California Polytechnic State University, San Luis Obispo

PHIPPS, RICHARD

FINE ARTS

B.A., M.F.A., University of California, Santa Barbara

PIERCE, KERRY

BIOLOGICAL SCIENCES

B.A., M.A., Florida State University

PISCOTTY, JOSEPH

WORKFORCE AND ECONOMIC DEVELOPMENT PROGRAMS

B.A., Statue University of New York;
M.A., Saint Michael's College, Vermont

POMFRET, DAVID

PHYSICAL EDUCATION

B.A., Bucknell University, Pennsylvania;
California Polytechnic State University, San Luis Obispo

PONTI, STEPHANIE

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, ROBINACADEMIC SUPPORT/DISABLED STUDENT
PROGRAMS AND SERVICES

B.S., M.S., Kent State University, Ohio

PRITZLAFF, ROSALIEWORKFORCE 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, CORRENE

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

RANDOLPH, KAREN

NURSING/ALLIED HEALTH

A.A., Cuesta College

RAPUANO, MARY ANNEWORKFORCE 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

RENZI, MARY

FINE ARTS

B.A., University of California, Davis

REPUCCI, DONALD

ENGINEERING AND TECHNOLOGY

B.A., Humboldt State University;
M.A., Temple University, Philadelphia

RICCOMINI, PHILLIP

HUMAN DEVELOPMENT

Culinary Institute of America, New York

RIDGELY, PAM

ENGINEERING AND TECHNOLOGY

B.A., Massachusetts Institute of Technology;
M.A., University of California, Berkeley

RIED, RAYMOND

ENGINEERING AND TECHNOLOGY

B.A., University of California, Santa Barbara;
B.S., California Polytechnic State University, San Luis Obispo

RIGGENBACH, KERSTIN

MATHEMATICS

B.A., California Polytechnic State University, San Luis Obispo

ROBASCIOTTI, KATHRYN

LANGUAGES AND COMMUNICATIONS

B.S., University of New Mexico

ROBICHAUD, TRACI

BUSINESS EDUCATION

Cuesta College;
California Polytechnic State University, San Luis Obispo

ROBINSON, MARSHAACADEMIC SUPPORT/DISABLED STUDENT
PROGRAMS AND SERVICES

B.S., M.A., California Polytechnic State University, San Luis
Obispo

ROBINSON, PAULAACADEMIC SUPPORT/DISABLED STUDENT
PROGRAMS AND SERVICES/FINE ARTS

B.A., California State University, Fresno;
M.A., California State University, Dominguez Hills

ROBINSON, ROGERWORKFORCE AND ECONOMIC DEVELOPMENT
PROGRAMS

B.S., Mankato State College, Minnesota;
M.A., California Polytechnic State University, San Luis Obispo

RODRIGUES, DANIEL

ENGINEERING AND TECHNOLOGY

B.A., California State University, Fresno

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 State University, Long Beach

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

SCHEIDERER, 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, Berkeley;

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, Mailbu

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

SOUTHARD, 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

VANDERZWAAG, 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, Fresno

WALLACE, JAMES

BUSINESS EDUCATION

B.S., California Polytechnic State University, San Luis Obispo

WALLICK, 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

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DIRECTOR, COUNSELING SERVICES

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