



EVERGREEN VALLEY COLLEGE

**DUAL ENROLLMENT FOR
HIGH SCHOOL STUDENTS
COURSE LIST 2021- 2022**

EVC Recommended Dual Enrollment Courses

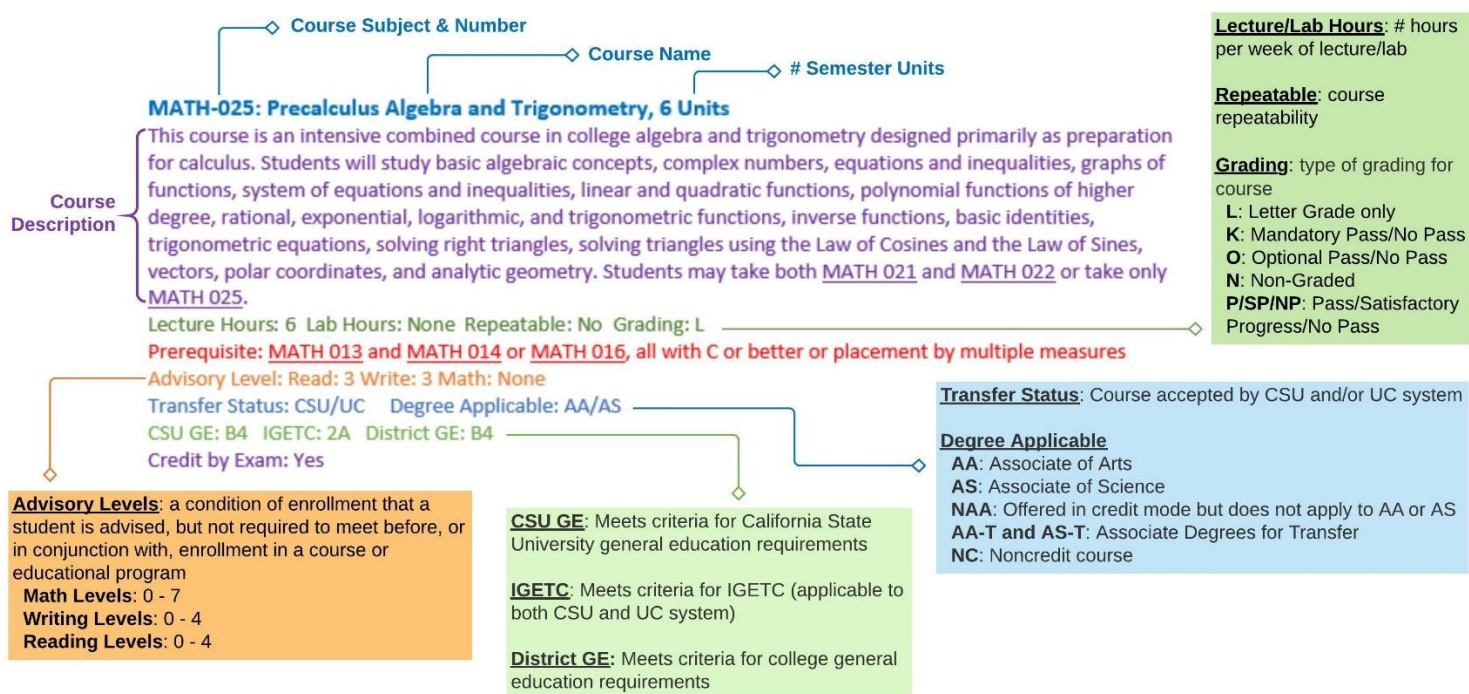
High School students may enroll in college courses in order to:

1. Earn high school A-G requirements and college credit at the same time
2. Train for a career while in high school
3. Graduate high school early
4. Earn a college certificate or degree during high school
5. Learn about various careers
6. Take college classes at no cost

High school students enrolled in college classes are exempt from tuition costs and are eligible to enroll in up to 11 units each fall or spring semester, and 7 units in the summer semester, per California state legislation. Dual enrollment students are bound by the information contained in the [college catalog](#) in the same way that all other college students are bound – it is like a contract.

This list of courses has been specifically selected by faculty and staff to support the success of dual enrollment students. The classes listed below tend to have no prerequisites and are transferable to four-year universities. Here is how to read the list of courses:

COURSE INFORMATION KEY



Advisory Reading/Writing Level 4: College Level

Advisory Math Level 4: College Level

Dual Enrollment General Education Courses

COUNS-014: College Success, 3 Units

This course surveys effective study skills and methods by contrasting ineffective study habits with techniques that maximize learning and memory. Emphasis is on promoting healthy changes in lifestyle that manage stress, improve health and overall well-being. Techniques to change behavior such as setting goals, managing time, increasing concentration, and controlling procrastination are practiced. Lecture topics include effective listening and note-taking skills, textbook reading, marking and vocabulary systems, memory strategies, and research paper methods using library resources. This course orientates students to transition to college course expectations and procedures.

Lecture Hours: 3 Lab Hours: None Repeatable: No Grading: L

Advisory Level: Read: 3 Write: 3 Math: None

Transfer Status: CSU/UC Degree Applicable: AA/AS

CSU GE: E ICETC: None District GE: E

COUNS-013: Career Planning, 3 Units

This course assists students with career/major selection. Students will identify personal interests, abilities, goals, values, and lifestyle preferences. Students will examine career trends and opportunities, employment outlook and the nature of today's workplace. Students will learn about personal and professional planning as it relates to careers through job search techniques, resume writing, interviewing, career building, and realistic decision making.

Lecture Hours: 3 Lab Hours: None Repeatable: No Grading: L

Advisory Level: Read: 3 Write: 3 Math: None

Transfer Status: CSU/UC Degree Applicable: AA/AS

CSU GE: E ICETC: None District GE: E

ART-090: Art Appreciation, 3 Units

This is an introductory course to the appreciation of the visual arts drawn from a wide variety of media, cultures and time periods. Students will learn to analyze art forms in regards to the elements and principles of art, and will be introduced to various technical procedures and materials, allowing students to make connections regarding these formal attributes and the work's content or meaning. The function and communication of visual arts within societal contexts will also be examined. (C-ID ARTH 100)

Lecture Hours: 3 Lab Hours: None Repeatable: No Grading: L

Advisory Level: Read: 4 Write: 4 Math: None

Transfer Status: CSU/UC Degree Applicable: AA/AS

CSU GE: C1 IGETC: 3A District GE: C1

ASTRO-010: Introduction to Astronomy, 3 Units

Astronomy 010 is an introductory science course for non-science majors covering all major topics of modern Astronomy. Described are the origins of the Solar System, the apparent motion of sky objects, seasons, the causes of periodic sky events such as the phases of the moon, solar and lunar eclipses, and meteor showers. The course highlights the recent discovery of thousands of exoplanets, and the current search for biosignatures on those exoplanets. Additional topics include the origins of stars, the various physical processes involved in stellar evolution, a full description of the Universe in large scale, and the main tenets of the Big Bang Theory. The scientific method and the fundamental laws of physics are stressed.

Recommended: 3 units of MATH 111 with P or placement based on math assessment

Lecture Hours: 3 Lab Hours: None Repeatable: No Grading: L

Advisory Level: Read: 3 Write: 3 Math: 2

Transfer Status: CSU/UC Degree Applicable: AA/AS

CSU GE: B1 IGETC: 5A District GE: B1

ANTH-063: Social and Cultural Anthropology, 3 Units

This course introduces the student to an overview of the field of social and cultural anthropology. Topics include the development of the field of anthropology, the concept of culture, language and communication, subsistence patterns and economic systems. Other topics covered are sex and marriage, family, kinship and descent, political systems, belief systems, the expressive culture and the challenge of globalization. (C-ID ANTH 120)

Lecture Hours: 3 Lab Hours: None Repeatable: No Grading: L

Advisory Level: Read: 3 Write: 3 Math: None

Transfer Status: CSU/UC Degree Applicable: AA/AS

CSU GE: D IGETC: 4 District GE: D, ES

BIOL-063: Ecology, 3 Units

This course introduces students to the science of ecology, the branch of biology that studies the abundance and distribution of plants and animals, and their interrelationships with the environment. Topics covered include the intersection of evolution and ecology, population biology, community organization, ecosystem function, biodiversity, preservation and conservation, and human ecology.

Lecture Hours: 3 Lab Hours: None Repeatable: No Grading: L

Advisory Level: Read: 3 Write: 3 Math: 2

Transfer Status: CSU/UC Degree Applicable: AA/AS

CSU GE: B2 IGETC: 5B District GE: B2

COMS-010: Interpersonal Communication, 3 Units

This course provides students with an understanding of basic principles of general and interpersonal communication. It enables them to develop better interpersonal effectiveness through discussion of both effective and ineffective communication techniques, emphasizing the practice of constructive interactive skills. (C-ID COMM 130)

Lecture Hours: 3 Lab Hours: None Repeatable: No Grading: L

Advisory Level: Read: 3 Write: 3 Math: None

Transfer Status: CSU/UC Degree Applicable: AA/AS

CSU GE: A1 IGETC: 1C District GE: A1

COMS-035: Intercultural Communication, 3 Units

Students study communication transactions among members of differing cultures including definitions, perceptions, models, patterns, values, beliefs, customs, and attitudes that affect intercultural communication. Students will examine culture-specific modes of communication and identify factors that impede effective intercultural understanding. (C-ID COMM 150)

Lecture Hours: 3 Lab Hours: None Repeatable: No Grading: L

Advisory Level: Read: 3 Write: 3 Math: None

Transfer Status: CSU/UC Degree Applicable: AA/AS

CSU GE: D IGETC: 4 District GE: D, ES

COMSC-020: Introduction to Programming Concepts and Methodologies, 3 Units

This course is an introduction to basic computer programming concepts using both the procedural and an object-oriented paradigm. It is intended for non-computer science majors, and for students interested in COMSC-075 who would like a more gradual entry into computing fundamentals. Topics include hands-on practice with software engineering tools, simple programs, variables, control structures, functions, input/output, and introduction to abstraction. Specifications, adherence to style guidelines, and the importance of testing to ensure that programs are usable, robust, and modifiable, will be addressed throughout the course. (C-ID COMP 112)

Lecture Hours: 2 Lab Hours: 3 Repeatable: No Grading: L

Recommended: Basic knowledge of computer usage and keyboarding skills

Advisory Level: Read: 3 Write: 3 Math: 2

Transfer Status: CSU/UC Degree Applicable: AA/AS

ENGR-001: Technology and Society, 3 Units

This course will explore the interrelationships between technology and the social sciences. Specifically, the course will investigate the societal factors which impact technology (historical, political, economic, ethical and environmental), and the ways in which technology affects society (language, art, music, psychology and sociology). This course is appropriate for students in both technical and non-technical majors.

Lecture Hours: 3 Lab Hours: None Repeatable: No Grading: L

Advisory Level: Read: 3 Write: 3 Math: None

Transfer Status: CSU/UC Degree Applicable: AA/AS

CSU GE: D IGETC: 4 District GE: D

ETH-010: Introduction to Ethnic Studies, 3 Units

This interdisciplinary course is a combination of the humanities and social sciences. There is an emphasis on the learning of concepts and theories central to the study of Ethnic Studies. The class will also explore the culture concept. Included is an analysis of the interrelationship between the dominant group and various ethnic groups. This course will also serve as an introduction to the experiences and perspectives of selected racial/ethnic group relations in our society. (C-ID SOCI 150)

Lecture Hours: 3 Lab Hours: None Repeatable: No Grading: L

Advisory Level: Read: 3 Write: 3 Math: None

Transfer Status: CSU/UC Degree Applicable: AA/AS

CSU GE: C2, D IGETC: 3B, 4 District GE: C2, D, ES

ETH-011: Ethnic Film: Reel Studies, 3 Units

This course will examine contemporary and classic cinema, focusing primarily on US ethnic films from African-American, Native American, Latino, Asian-Pacific Islander, and Middle Eastern American cultures, as a tool to explore universal human themes as well as ethnic/cultural stereotypes.

Lecture Hours: 3 Lab Hours: None Repeatable: No Grading: L

Advisory Level: Read: 3 Write: 3 Math: None

Transfer Status: CSU/UC Degree Applicable: AA/AS

CSU GE: C1, D IGETC: 3A, 4 District GE: C1, D, ES

FCS-019: Nutrition, 3 Units

This course provides students an introduction to scientific concepts of nutrition, including physiological, psychological and sociological considerations. Students will analyze the human diet in relation to health, lifestyle choices, personal behaviors, and disease prevention. Individual recommended nutrient intake, the body's use of nutrients, and optimum dietary health across the lifespan will be discussed. Students will also examine the influence of culture, food supply, food choices, and nutritional status, as well as socioeconomic conditions, food fads, and diet fallacies. (C-ID NUTR 110)

Lecture Hours: 3 Lab Hours: None Repeatable: No Grading: L

Advisory Level: Read: 3 Write: 3 Math: 2

Transfer Status: CSU/UC Degree Applicable: AA/AS

CSU GE: E IGETC: None District GE: E

FCS-070: Child Development, 3 Units

Students will study the child from the prenatal period through adolescence. The physical, social-emotional and cognitive aspects of development are explored. This course is required for ECE majors and recommended for nursing and psychology majors, and anyone wanting to understand the development of children. Transferable: Equivalent to C.D. 60 at SJSU. (C-ID CDEV 100)

Lecture Hours: 3 Lab Hours: None Repeatable: No Grading: L

Advisory Level: Read: 3 Write: 3 Math: None

Transfer Status: CSU/UC Degree Applicable: AA/AS

CSU GE: E, D IGETC: 4 District GE: E, D

HIST-001: Survey of American History, 3 Units

This course surveys the development of U.S. History in a broad approach to the social, constitutional, economic and political history of the U.S. with emphasis upon key events, issues and their backgrounds.

Lecture Hours: 3 Lab Hours: None Repeatable: No Grading: L

Advisory Level: Read: 3 Write: 3 Math: None

Transfer Status: CSU/UC Degree Applicable: AA/AS

CSU GE: D, US-1 IGETC: 4 District GE: D, US-1

KINS-033: Introduction to Kinesiology and Physical Education, 3 Units

This course will explore the broad spectrum of Kinesiology and Physical Education as an academic discipline and the required preparation and training for occupations involved with human movement, education, biomechanics, philosophy, allied health, fitness, recreation, coaching, and wellness. This course is an in-depth overview of current issues in Kinesiology and Physical Education.

Lecture Hours: 3 Lab Hours: None Repeatable: No Grading: L

Advisory Level: Read: 3 Write: 3 Math: None

Transfer Status: CSU/UC Degree Applicable: AA/AS

CSU GE: E IGETC: None District GE: E

LIB-015: Electronic Research and the Internet, 3 Units

This is an online course providing students with skills and competencies to use electronic information sources (the web, online catalogs, and databases) for course-related or personal research. Students will learn to define an information search, select the sources appropriate to their needs, use criteria for evaluating information sources, and document information sources using accepted formats. Student participation will be via email, discussions, and online chat.

Lecture Hours: 2 Lab Hours: 3 Repeatable: No Grading: L

Recommended: Basic computer and word processing skills, including e-mail and chat

Advisory Level: Read: 3 Write: 3 Math: None

Transfer Status: CSU/UC Degree Applicable: AA/AS

CSU GE: None IGETC: None District GE: None

MUSIC-091: Music Appreciation – Western Civilization, 3 Units

This course provides the opportunity for students with no previous musical experience, to develop an appreciation of the music of western cultures through the development of aural listening skills. The course focuses on the relationships between composers and the times in which they lived. Included in each unit of study is a discussion of the influence of government, philosophy, art, religion, and musical composition. Attendance at a live performance is required. (C-ID MUS 100)

Lecture Hours: 3 Lab Hours: None Repeatable: No Grading: L

Advisory Level: Read: 3 Write: 3 Math: None

Transfer Status: CSU/UC Degree Applicable: AA/AS

CSU GE: C1 IGETC: 3A District GE: C1

PHIL-070: Comparative Religions, 3 Units

This is an introductory philosophical survey of living religions (Hinduism, Buddhism, Confucianism, Taoism, Islam, Judaism, Christianity, and Native American and African religious traditions). Students use comparative study that focuses on the meaning of religious experience, the forms its expression may take, and what it may offer humanity.

Lecture Hours: 3 Lab Hours: None Repeatable: No Grading: L

Advisory Level: Read: 3 Write: 3 Math: None

Transfer Status: CSU/UC Degree Applicable: AA/AS

CSU GE: C2 IGETC: 3B District GE: C2

POLSC-001: Politics and Government in America, 3 Units

This course covers the role and importance of the ideal of democracy and the evolution of the American and Californian political system. America's and California's political institutions (executive, legislative and judicial) and political processes (voting, lobbying, attitudes) are examined against the backdrop of America's and California's cultural diversity and political history. This course is a study of national, state and local government and politics with emphasis on the United States Constitution and the national and Californian governments. Note: Combined with HIST 1, meets US HIST & Constitution and State & Local Govt. requirements. Meets California Teachers Credential requirement.

Lecture Hours: 3 Lab Hours: None Repeatable: No Grading: L

Advisory Level: Read: 3 Write: 3 Math: None

Transfer Status: CSU/UC Degree Applicable: AA/AS

CSU GE: D, US-2, US-3 IGETC: 4 District GE: D, US-2, US-3

PSYCH-060: Personal Growth and Adjustment, 3 Units

This course is a study of psychological processes through which people manage to cope with the demands and challenges of everyday life. A broad variety of topics are examined including personality patterns, stress, social and intimate relationships, adjustments to development through the life span and psychological/physical wellness as they influence and are affected by adjustment. Effective and ineffective personal growth and adjustment is analyzed in the context of contemporary and complex society. (C-ID PSY 115)

Lecture Hours: 3 Lab Hours: None Repeatable: No Grading: L

Advisory Level: Read: 3 Write: 3 Math: None

Transfer Status: CSU/UC Degree Applicable: AA/AS

CSU GE: D, E IGETC: 4 District GE: D, E

PSYCH-092: Developmental Psychology, 3 Units

This course is an introduction to developmental psychology. Human development is traced from conception through death and dying. The biological, cognitive, psychological, social and cultural factors affecting development and the integration and interactions of these factors throughout the lifespan of human beings will be studied. The dynamic interrelationship of these factors to the uniqueness of, and differences between, individuals will also be considered. Development tasks and potential developmental crises in the contemporary multicultural society are identified for each age group. (C-ID PSY 180)

Lecture Hours: 3 Lab Hours: None Repeatable: No Grading: L

Advisory Level: Read: 3 Write: 3 Math: None

Transfer Status: CSU/UC Degree Applicable: AA/AS

CSU GE: D, E IGETC: 4 District GE: D, E

SERV-001: Introduction to Community Service Learning, 1 Unit

This course offers students community-based learning through classroom instruction and critical reflection to arrive at a personal understanding of the need and importance for community service, civic responsibility, cultural competence and activism for social justice. This course will include community service in a non-profit organization or school of choice that meets a real need in the community.

Lecture Hours: 1 Lab Hours: None Repeatable: No Grading: L

Advisory Level: Read: 3 Write: 3 Math: None

Transfer Status: CSU Degree Applicable: AA/AS

CSU GE: D IGETC: None District GE: D

SERV-002: Service Learning: Personal and Career Development, 3 Units

This course provides students with a background in Community Service-Learning and opportunities to serve in the community. Students will receive training in goal setting, self and career exploration. Through learning by doing and critical reflection, students will develop cultural sensitivity, leadership skills, self-awareness, and become civically engaged global citizens.

Lecture Hours: 1 Lab Hours: None Repeatable: No Grading: L

Advisory Level: Read: 3 Write: 3 Math: None

Transfer Status: CSU Degree Applicable: AA/AS

CSU GE: E IGETC: None District GE: E

SOC-010: Introduction to Sociology, 3 Units

This course is a survey of the principles and basic concepts of sociology. It includes the analysis of American culture, social organization, group behavior, social stratification, racial and ethnic groups, and the dynamics of social change and other social processes. (C-ID SOCI 110)

Lecture Hours: 3 Lab Hours: None Repeatable: No Grading: L

Advisory Level: Read: 3 Write: 3 Math: None

Transfer Status: CSU/UC Degree Applicable: AA/AS

CSU GE: D IGETC: 4 District GE: D

THEAT-020: Introduction to Theater Arts, 3 Units

Students study the aesthetics of drama and theatre from their origin through modern theatre practice. Students will examine: plays, playwrights, theatrical design, acting, directing, theatre architecture, the role of the audience, cultural and socio-political effects, production values and dramatic genres. (C-ID THTR 111)

Lecture Hours: 3 Lab Hours: None Repeatable: No Grading: L

Advisory Level: Read: 3 Write: 3 Math: None

Transfer Status: CSU/UC Degree Applicable: AA/AS

CSU GE: C1 IGETC: 3A District GE: C1

THEAT-040: Introduction to Film, 3 Units

This is an introductory course in film studies in which students view films and learn to understand the artistic disciplines of film making. Film content is examined in relationship to cinematography, editing, visual design, special effects, sound design, acting, directing, social and cultural contexts.

Lecture Hours: 2.5 Lab Hours: 1.5 Repeatable: No Grading: L

Advisory Level: Read: 3 Write: 3 Math: None

Transfer Status: CSU/UC Degree Applicable: AA/AS

CSU GE: C1 IGETC: 3A District GE: C1

WOMS-010: Introduction to Women's and Gender Studies, 3 Units

This course will explore women's and gender theories and the perspectives of women from different ethnicities, ages, social groups and social classes, along with contemporary definitions and values that affect women's livelihoods. Perspectives on cultural, ethnic, and gender similarities and differences will be examined. Issues and experiences affecting transgender, sexual orientation will be explored. (C-ID SJS 120)

Lecture Hours: 3 Lab Hours: None Repeatable: No Grading: L

Advisory Level: Read: 3 Write: 3 Math: None

Transfer Status: CSU/UC Degree Applicable: AA/AS

CSU GE: D IGETC: 4 District GE: D, ES



Dual Enrollment Career and Academic Pathways



Behavioral Sciences and Humanities

Administration of Justice
Communication Studies
Psychology
Social Justice/Ethnic Studies
Translation and Interpretation*



STEM

Astronomy
Engineering
Biology



Business

Bookkeeping and Accounting
Entrepreneurship



Industrial Technologies and Transportation

Automotive*
Building Information Modeling*
Manufacturing Technology*
Computer Information Technology*



Art and Media

Art
Digital Media*



Health and Human Services

Child Development/Education
Personal and Community Health

*Career Education pathway

Dual Enrollment Pathway Courses



Behavioral Sciences and Humanities Pathways

Administration of Justice: Leads to an AA, AS, and Transfer degrees in Administration of Justice and careers in law enforcement

AJ-010: Introduction to Administration of Justice, 3 Units

Students examine U.S. law enforcement, the courts, and corrections in terms of history, crime measurements, responses to crime, and the role of the justice system in a pluralistic society. The responsibility of criminal justice personnel, legal process, and the structure and function of law enforcement, the courts, and corrections are examined. Students also explore origins and development of criminal law, crime causation, affirmative defenses, and sentencing and incarceration concepts.

Lecture Hours: 3 Lab Hours: None Repeatable: No Grading: L

Advisory Level: Read: 3 Write: 3 Math: None

Transfer Status: CSU/UC Degree Applicable: AA/AS

CSU GE: D ICETC: 4 District GE: D

AJ-011: Criminal Law, 3 Units

Students analyze precepts of criminal law in the United States including legal systems, the courts, and general elements of crimes against persons, property, and public morals and welfare. The history and structure of law, affirmative criminal defenses, criminal culpability, and sentencing structures are examined. Students also analyze Constitutional Law in the context of landmark cases to interpret how precedent has impacted the U.S. justice system, the offender, and society.

Lecture Hours: 3 Lab Hours: None Repeatable: No Grading: L

Advisory Level: Read: 3 Write: 3 Math: None

Transfer Status: CSU/UC Degree Applicable: AA/AS

CSU GE: D ICETC: 4 District GE: D

AJ-013: Criminal Procedures, 3 Units

Students analyze legal process in criminal proceedings from pre-arrest through appeal. Constitutional guidelines, interpretation of statutory and case law precedents, legal aspects of evidence, due process standards, and rules governing arrest and search and seizure are examined. Students also consider institutional responsibilities, process, and procedures of the U.S. justice system within a multicultural society.

Lecture Hours: 3 Lab Hours: None Repeatable: No Grading: L

Advisory Level: Read: 3 Write: 3 Math: None

Transfer Status: CSU/UC Degree Applicable: AA/AS

CSU GE: D ICETC: 4 District GE: D

AJ-014: Contemporary Police Issues, 3 Units

Students examine the evolution of American law enforcement including federal, state, and local systems of policing. Police selection, hiring and training requirements, demands of the job, leadership and ethics, contemporary policing strategies, community policing, diversity in law enforcement, and the role of discretion are examined. Students also analyze police-community relations, institutional accountability, and the challenges and trends of administering justice in a pluralistic society.

Lecture Hours: 3 Lab Hours: None Repeatable: No Grading: L

Advisory Level: Read: 3 Write: 3 Math: None

Transfer Status: CSU/UC Degree Applicable: AA/AS

CSU GE: D ICETC: None District GE: D

Communication Studies: Leads to a Transfer degree and careers in publishing, marketing, writing/editing, reporting

COMS-020: Oral Communication, 3 Units

Students are taught the skills of speechmaking. Students focus on the following basic elements: rhetorical theory, researching, organizing and outlining a topic, analyzing an audience, effective use of language, ethics, effective presentation aids, critical listening, credibility, and physical delivery. Students will be required to attend speech activities outside of the classroom environment. (C-ID COMM 110)

Lecture Hours: 3 Lab Hours: None Repeatable: No Grading: L

Advisory Level: Read: 3 Write: 3 Math: None

Transfer Status: CSU/UC Degree Applicable: AA/AS

CSU GE: A1 IGETC: 1C District GE: A1

COMS-040: Introduction to Argumentation, 3 Units

This course provides students with an understanding of how to support intelligent decision making by using reasoned discourse. This course will cover instruction in logical analysis of modern controversies, the formulation of propositions for argument, construction of arguments, and application through discussion and debate. This course emphasizes the importance of competent advocacy in a free society. (C-ID COMM 120)

Lecture Hours: 3 Lab Hours: None Repeatable: No Grading: L

Advisory Level: Read: 3 Write: 3 Math: None

Transfer Status: CSU/UC Degree Applicable: AA/AS

CSU GE: A1, A3 IGETC: 1C District GE: A1, A3

COMS-045: Small Group Communication, 3 Units

Students study communication and decision making within the group context. Concepts such as group interaction; leadership, status and power; conflict and cohesiveness; rules and roles; verbal and nonverbal messages and problem-solving will be investigated. (C-ID COMM 140)

Lecture Hours: 3 Lab Hours: None Repeatable: No Grading: L

Advisory Level: Read: 3 Write: 3 Math: None

Transfer Status: CSU/UC Degree Applicable: AA/AS

CSU GE: A1 IGETC: 1C District GE: A1

JOURN-010: Mass Media and Communications, 3 Units

Students will study mass media and its relationship to and impact on society. Students will cover topics including basic theories in mass communication, media history and analysis of media production. Students will also explore legal, ethical and social issues related to the media. (C-ID JOUR 100)

Lecture Hours: 3 Lab Hours: None Repeatable: No Grading: L

Advisory Level: Read: 3 Write: 3 Math: None

Transfer Status: CSU/UC Degree Applicable: AA/AS

CSU GE: D IGETC: 4 District GE: D

Psychology: Leads to an AA-Transfer degree and careers in social work, counseling, marketing, and leadership development

PSYCH-020: Psychology of Stress Reduction, 3 Units

Students are presented with a comprehensive approach to stress and stress reduction from a psychological perspective. A psychophysiological model of stress will be presented and analyzed. A variety of evidenced-based stress reduction methods will be taught in the contexts of student and work life settings.

Lecture Hours: 3 Lab Hours: None Repeatable: No Grading: L

Recommended: Completion of PSYCH 001

Advisory Level: Read: 3 Write: 3 Math: None

Transfer Status: CSU Degree Applicable: AA/AS

CSU GE: E IGETC: None District GE: E

PSYCH-025: Psychology of Women, Global Perspective, 3 Units

This course examines the female experience from a global, historical, familial, cultural and psychological framework, and analyzes how women's lives are shaped by social and economic institutions, political movements, ethnicity, race and individual experiences. Psychological theories and current research will address concepts of development, gender-typing, sexism, motherhood, work, adaptation, well-being as well as other psychological questions of central concern to women.

Lecture Hours: 3 Lab Hours: None Repeatable: No Grading: L

Advisory Level: Read: 3 Write: 3 Math: None

Transfer Status: CSU/UC Degree Applicable: AA/AS

CSU GE: D, E IGETC: 4 District GE: D, E, ES

PSYCH-026: Violence Against Women, Cross-Cultural Perspective, 3 Units

This course presents an overview of various forms of violence against women and girls from a global and human rights perspective through critical examination of social structures and psychological research. Contemporary attitudes towards women, children, power, aggression, sexuality, race and class will be investigated. Topics will include, rape, wife beating, incest, sexual harassment, sex trafficking, pornography, honor and dowry killing, and economic, psychiatric and military violence. The course will also consider the ways in which women are individually and collectively combating these various forms of violence.

Lecture Hours: 3 Lab Hours: None Repeatable: No Grading: L

Recommended: PSYCH 025

Advisory Level: Read: 3 Write: 3 Math: None

Transfer Status: CSU Degree Applicable: AA/AS

CSU GE: D IGETC: None District GE: D

PSYCH-030: Introduction to Biological Psychology, 3 Units

This course is designed to provide an overview of biological approaches to understanding behavior. The course will cover the general organization of the neural and neuroendocrine systems and their influences in the control of behavior. Animal and human research findings, within the science of brain-behavior relationships, will be included. This course is designed to prepare students for more advanced courses in behavioral neuroscience, clinical psychology, and other health-related fields. It is required for psychology majors. (C-ID PSY 150)

Lecture Hours: 3 Lab Hours: None Repeatable: No Grading: L

Prerequisite: PSYCH 001 with C or better

Advisory Level: Read: 3 Write: 3 Math: None

Transfer Status: CSU/UC Degree Applicable: AA/AS

CSU GE: B2, D IGETC: 5B District GE: B2, D

Social Justice/Ethnic Studies: Leads to AA-Transfer degrees and careers in law, public policy, education, and organizational development

ETH-020: African American Culture, 3 Units

This course is a survey of the African American experience in the United States. Students will critically examine past, present and evolving socio-political, economic and cultural dynamics that help to contribute to African American culture.

Lecture Hours: 3 Lab Hours: None Repeatable: No Grading: L

Advisory Level: Read: 3 Write: 3 Math: None

Transfer Status: CSU/UC Degree Applicable: AA/AS

CSU GE: C2, D IGETC: 3B, 4 District GE: C2, D, ES

ETH-030: Chicana/o Culture, 3 Units

This is a survey course designed to study the development of Mexican and Chicana/o culture in Mexico, the Southwest U.S. and beyond. Emphasis will be placed on the cultural history as well as the socio-psychological aspects in the study of people of Mexican origin. Specific areas of interest in the course include theory and analysis of the concept of culture and its application to the Mexican and Chicano communities. Other areas of interest include the Pre-Columbian period, the religions and philosophies, art, language, music, folklore, and lifestyles of the Chicana/o.

Lecture Hours: 3 Lab Hours: None Repeatable: No Grading: L

Advisory Level: Read: 3 Write: 3 Math: None

Transfer Status: CSU/UC Degree Applicable: AA/AS

CSU GE: C2, D IGETC: 3B, 4 District GE: C2, D, ES

ETH-040: Vietnamese American Culture and Experience, 3 Units

This course provides students with a basic theoretical background to study the ancestral origin of Vietnamese Americans, their migration to the U.S., and assimilation into U.S. culture and society. It follows the evolution of their cultural roots into their ethnic heritage, focusing on their religious and philosophical thoughts, customs, and value system. The course traces the emergence of their minority status, identity, and sense of community, and explores their current status and prospects of ethno-social mobility through education, employment, business, entrepreneurship, and politics. This course reflects the Humanities and Social Science areas.

Lecture Hours: 3 Lab Hours: None Repeatable: No Grading: L

Advisory Level: Read: 3 Write: 3 Math: None

Transfer Status: CSU/UC Degree Applicable: AA/AS

CSU GE: C2, D IGETC: 4, 3B District GE: C2, D, ES

ETH-042: Asian Pacific American Culture and Experience, 3 Units

This course covers (1) the Asian backgrounds, migration, ethnic culture (particularly major religious beliefs, philosophical thoughts, value system, customs, and traditions), and American experiences APAs as a whole have in common; (2) unique aspects of each Asian American co-group, with more emphasis on the six largest groups: Chinese, Filipino, Indian, Vietnamese, Korean, and Japanese Americans. Also of special importance are key concepts, theories, and perspectives pertinent to this study, as well as American experiences APAs share with other U.S. racial groups, especially African American and Latino Americans. This course is a combination of the Humanities and Social Sciences.

Lecture Hours: 3 Lab Hours: None Repeatable: No Grading: L

Advisory Level: Read: 3 Write: 3 Math: None

Transfer Status: CSU/UC Degree Applicable: AA/AS

CSU GE: C2, D IGETC: 4, 3B District GE: C2, D, ES

Translation and Interpretation: Leads to a Certificate of Achievement and direct employment as a translator

SPAN-031: Introduction to Translation and Interpreting, 4 Units

This course will cover the historical origins, theories, techniques, and practices of translating and interpreting. Students will focus on comprehension of source language texts and accurate expression of content and style in translations. Theoretical readings will be used to familiarize students with strategies, techniques, and challenges faced in the translation process.

Lecture Hours: 4 Lab Hours: None Repeatable: No Grading: L

Recommended: Native fluency in Spanish (or equivalent). Student must see instructor prior to enrollment.

Advisory Level: Read: 3 Write: 3 Math: None

Transfer Status: CSU Degree Applicable: AA/AS

CSU GE: None IGETC: None District GE: None

Credit by Exam: Yes

SPAN-032: Spanish Grammar and Composition, 3 Units

Students will develop reading and writing skills through the process of composition. Students will also improve such writing skills by applying the rules of grammar and orthography reviewed in class. This course is required for the Translation and Interpreting Certificate.

Lecture Hours: 3 Lab Hours: None Repeatable: No Grading: L

Recommended: Native fluency in Spanish (or equivalent). Student must see instructor prior to enrollment.

Advisory Level: Read: 3 Write: 3 Math: None

Transfer Status: CSU Degree Applicable: AA/AS

CSU GE: None IGETC: None District GE: None

Credit by Exam: Yes

SPAN-033: Spanish/English Linguistics Analysis

This course will provide the student with an analysis and description of some of the most relevant aspects of Spanish/English grammar, emphasizing the implications on translation and interpreting.

Lecture Hours: 3 Lab Hours: None Repeatable: No Grading: L

Prerequisite: SPAN 032 with C or better

Recommended: ENGL 001A, minimum grade C, highly recommended

Advisory Level: Read: None Write: None Math: None

Transfer Status: CSU Degree Applicable: AA/AS

CSU GE: None IGETC: None District GE: None

Credit by Exam: Yes

SPAN-035: Sight Translation, 3 Units

This course will introduce students to the fundamental skill of sight translation. Students will learn how to comply with the legal equivalence requirements of this mode of interpretation. There will be emphasis on reviewing the necessary reading comprehension skills, acquiring the ability to analyze text upon first reading, acquiring vocabulary research skills, expanding vocabulary and understanding the role of the interpreter. Students will practice paraphrasing, chunking, prediction and expanding and condensing exercises to finally develop the skills necessary for performing sight translation of complex texts.

Lecture Hours: 3 Lab Hours: None Repeatable: No Grading: L

Advisory Level: Read: 4 Write: 4 Math: None

Transfer Status: CSU Degree Applicable: AA/AS

CSU GE: None IGETC: None District GE: None

SPAN-036A: Consecutive Interpretation I, 3 Units

This course will introduce students to consecutive legal interpretation. Students will learn how to comply with the legal equivalence requirements of consecutive interpretation. They will also be introduced to the proper usage of this mode of interpretation at various settings. There will be a focus on memory building skills as well as note-taking techniques. Students will begin to develop their own notetaking system and symbols. Through guided exercises students will continue to build vocabulary and learn how to deal with various factors encountered when using the consecutive mode of interpretation.

Lecture Hours: 3 Lab Hours: None Repeatable: No Grading: L

Prerequisite: SPAN 035 with C or better

Advisory Level: Read: 4 Write: 4 Math: None

Transfer Status: CSU Degree Applicable: AA/AS

CSU GE: None IGETC: None District GE: None

SPAN-036B: Consecutive Interpretation II, 3 Units

This course builds on the skills acquired in Consecutive Interpretation I. Students will continue to enhance retention while developing personal note-taking systems in more demanding situations with lengthier messages. There will be an emphasis on complying with the legal equivalence requirement and limiting omissions. Students will learn how to deal with challenges to interpretation and make corrections on the record. Students will acquire terminology related to complex criminal proceedings, administrative hearings and varied medical settings.

Lecture Hours: 3 Lab Hours: None Repeatable: No Grading: L

Prerequisite: SPAN 036A with C or better

Advisory Level: Read: 4 Write: 4 Math: None

Transfer Status: CSU Degree Applicable: AA/AS

CSU GE: None IGETC: None District GE: None

SPAN-037A: Simultaneous Interpretation I, 3 Units

This course will introduce students to simultaneous legal interpretation. Students will learn how to comply with the legal equivalence requirements of simultaneous interpretation. There will be emphasis on reviewing; the history of simultaneous interpretation, the role of the interpreter, relevant settings and research skills. Students will practice paraphrasing, chunking and shadowing exercises to increase vocabulary and create a strong foundation to begin acquiring simultaneous interpreting skills up to 125 words per minute.

Lecture Hours: 3 Lab Hours: None Repeatable: No Grading: L

Prerequisite: SPAN 035 with C or better

Advisory Level: Read: 4 Write: 4 Math: None

Transfer Status: CSU Degree Applicable: AA/AS

CSU GE: None IGETC: None District GE: None

SPAN-037B: Simultaneous Interpretation II, 3 Units

This course will continue to build students simultaneous interpretation skills. Students will begin to interpret more complex legal proceedings at faster speeds. Students will be introduced to testimony of expert witnesses, legal motions, jury instructions, and other complex materials. Students will also acquire the skills necessary to build glossaries for complex proceedings and in the process expand vocabulary to include terminology related to drugs, violence, medical, weapons, DNA and other specialized topics. At the conclusion of course students will be able to interpret proceedings at speeds of 145+ wpm.

Lecture Hours: 3 Lab Hours: None Repeatable: No Grading: L

Prerequisite: SPAN 037A with C or better

Advisory Level: Read: 4 Write: 4 Math: None

Transfer Status: CSU Degree Applicable: AA/AS

CSU GE: None IGETC: None District GE: None

Dual Enrollment Pathway Courses



STEM-Core Pathways

Astronomy: Leads to careers in Physics, Astronomy, Engineering

MATH-025: Precalculus Algebra and Trigonometry, 6 Units

This course is an intensive combined course in college algebra and trigonometry designed primarily as preparation for calculus. Students will study basic algebraic concepts, complex numbers, equations and inequalities, graphs of functions, system of equations and inequalities, linear and quadratic functions, polynomial functions of higher degree, rational, exponential, logarithmic, and trigonometric functions, inverse functions, basic identities, trigonometric equations, solving right triangles, solving triangles using the Law of Cosines and the Law of Sines, vectors, polar coordinates, and analytic geometry. Students may take both MATH 021 and MATH 022 or take only MATH 025.

Lecture Hours: 6 Lab Hours: None Repeatable: No Grading: L

Prerequisite: MATH 013 and MATH 014 or MATH 016, all with C or better or placement by multiple measures

Advisory Level: Read: 3 Write: 3 Math: None

Transfer Status: CSU/UC Degree Applicable: AA/AS

CSU GE: B4 IGETC: 2A District GE: B4

Credit by Exam: Yes

ASTRO-014: Solar System Astronomy, 3 Units

Solar System Astronomy is an introductory course focusing on the main physical processes governing the solar system formation and its evolution. It introduces the scientific methodology adopted by astronomers to establish self-consistent models of celestial processes. It highlights the latest achievements in space exploration on planets and their moons, and other minor bodies such as asteroids, comets, and dwarf planets. Special consideration is given to current research focusing on origins of life and the search for evidence of extraterrestrial life, past or present.

Lecture Hours: 3 Lab Hours: None Repeatable: No Grading: L

Advisory Level: Read: 3 Write: 3 Math: 2

Transfer Status: CSU/UC Degree Applicable: AA/AS

CSU GE: B1 IGETC: 5A District GE: B1

Engineering: Leads to careers in various areas of Engineering, including Mechanical, Chemical, Civil, and Bio-Medical Engineering

MATH-025: Precalculus Algebra and Trigonometry, 6 Units

This course is an intensive combined course in college algebra and trigonometry designed primarily as preparation for calculus. Students will study basic algebraic concepts, complex numbers, equations and inequalities, graphs of functions, system of equations and inequalities, linear and quadratic functions, polynomial functions of higher degree, rational, exponential, logarithmic, and trigonometric functions, inverse functions, basic identities, trigonometric equations, solving right triangles, solving triangles using the Law of Cosines and the Law of Sines, vectors, polar coordinates, and analytic geometry. Students may take both MATH 021 and MATH 022 or take only MATH 025.

Lecture Hours: 6 Lab Hours: None Repeatable: No Grading: L

Prerequisite: MATH 013 and MATH 014 or MATH 016, all with C or better or placement by multiple measures

Advisory Level: Read: 3 Write: 3 Math: None

Transfer Status: CSU/UC Degree Applicable: AA/AS

CSU GE: B4 IGETC: 2A District GE: B4

Credit by Exam: Yes

ENGR-0XX: TBD (New Course)

Biology: Leads to careers in various areas of Biology, Allied Health and the Life Sciences, as well as Environmental Science

MATH-025: Precalculus Algebra and Trigonometry, 6 Units

This course is an intensive combined course in college algebra and trigonometry designed primarily as preparation for calculus. Students will study basic algebraic concepts, complex numbers, equations and inequalities, graphs of functions, system of equations and inequalities, linear and quadratic functions, polynomial functions of higher degree, rational, exponential, logarithmic, and trigonometric functions, inverse functions, basic identities, trigonometric equations, solving right triangles, solving triangles using the Law of Cosines and the Law of Sines, vectors, polar coordinates, and analytic geometry. Students may take both MATH 021 and MATH 022 or take only MATH 025.

Lecture Hours: 6 Lab Hours: None Repeatable: No Grading: L

Prerequisite: MATH 013 and MATH 014 or MATH 016, all with C or better or placement by multiple measures

Advisory Level: Read: 3 Write: 3 Math: None

Transfer Status: CSU/UC Degree Applicable: AA/AS

CSU GE: B4 IGETC: 2A District GE: B4

Credit by Exam: Yes

BIOL-014: TBD (New Course)

Dual Enrollment Pathway Courses



Business Pathways

Bookkeeping and Accounting: Leads to a Certificate of Achievement in Accounting and employment as a bookkeeper

ACCTG-101: Bookkeeping for Small Business, 3 Units

This course is an introduction to accounting principles and procedures that apply to the operations of a small business. The material is presented through lecture and simulation activities including online computer activities. Transactions are analyzed and processed, financial statements are developed, and records are adjusted and closed for a complete accounting cycle for service and merchandising businesses. This course helps to prepare students for positions as accounting assistants or entry level bookkeepers. Course management software will be used to enhance learning.

Lecture Hours: 2.5 Lab Hours: 1.5 Repeatable: No Grading: O

Advisory Level: Read: 3 Write: 3 Math: None

Transfer Status: CSU Degree Applicable: AA/AS

CSU GE: None IGETC: None District GE: None

ACCTG-030: QuickBooks, 3 Units

Students are provided hands-on computer based accounting using QuickBooks, which includes behind-the-scenes accounting. Proper use of QuickBooks business forms for recording sales and receivables, payables and purchases, and payroll will be presented. Students will explore various methods of business problem solving.

Lecture Hours: 2.5 Lab Hours: 1.5 Repeatable: No Grading: L

Prerequisite: ACCTG 101 or ACCTG 020 or ACCTG 001A, all with a C or better

Advisory Level: Read: 3 Write: 3 Math: None

Transfer Status: CSU Degree Applicable: AA/AS

CSU GE: None IGETC: None District GE: None

Entrepreneurship: Leads to a Certificate of Achievement in Entrepreneurship and careers in small business ownership

BUS-009: Introduction to Entrepreneurship, 3 Units

Students will study the principles of entrepreneurship, and focus on the entrepreneurial process, opportunity recognition, entry strategies, market opportunities, the development of a successful business plan, and making financial projections. The material is presented through methodologies of lecture, discussion, current events, Internet research, case studies, and computerized assignments.

Lecture Hours: 3 Lab Hours: None Repeatable: No Grading: L

Advisory Level: Read: 3 Write: 3 Math: 1

Transfer Status: CSU Degree Applicable: AA/AS

CSU GE: None IGETC: None District GE: None

BUS-082: Introduction to Business, 3 Units

Students are introduced to the business functions and practices as they have developed over time in the U.S. Students will be introduced to topics such as organizational structure and behavior, management, marketing, finance and accounting, operations and information systems, and ethical responsibilities of corporations. Special emphasis will be placed on the emergence of global business, its impact and the significance of small businesses. (C-ID BUS 110)

Lecture Hours: 3 Lab Hours: None Repeatable: No Grading: L

Advisory Level: Read: 4 Write: 4 Math: 2

Transfer Status: CSU/UC Degree Applicable: AA/AS

CSU GE: None IGETC: None District GE: None

BUS-084: Introduction to Marketing Principles, 3 Units

This course provides students with an introduction to the theory and practice of marketing as well as the integration of marketing activities of a business. Students will study about marketing research, management of products and services, pricing policies and strategies, channels of distribution, physical distribution and logistics management, promotion strategies and tactics, government regulations, and marketing ethics.

Lecture Hours: 3 Lab Hours: None Repeatable: No Grading: L

Advisory Level: Read: 3 Write: 3 Math: 2

Transfer Status: CSU Degree Applicable: AA/AS

CSU GE: None IGETC: None District GE: None

BUS-071: Legal Environment of Business, 3 Units

Students study laws and regulations affecting business decisions including legal concepts and cases in the areas of ethics, business torts, contracts, consumer and merchant sales, competition, environment, agency, employment and business organizations. (C-ID BUS 120)

Lecture Hours: 3 Lab Hours: None Repeatable: No Grading: L

Advisory Level: Read: 3 Write: 3 Math: 2

Transfer Status: CSU/UC Degree Applicable: AA/AS

CSU GE: None IGETC: None District GE: None

Dual Enrollment Pathway Courses



Industrial Technologies and Transportation Pathways

Automotive Technologies: Leads to Certificate of Achievements and AS degrees, and careers in the automotive industry

AUTO-117: Automotive Principles, 1.5 Units

This is an introductory course for prospective automotive majors. Students will become familiar with automobile ownership, consumer maintenance, terminology, tools, procedures, and a basic overview of major vehicle systems.

Lecture Hours: 1 Lab Hours: 1.5 Repeatable: No Grading: L

Advisory Level: Read: 2 Write: 2 Math: 2

Transfer Status: None Degree Applicable: NAA

CSU GE: None IGETC: None District GE: None

AUTO-102: Automotive Systems, 3.5 Units

This course will introduce students to the automotive industry and provide a basic overview of the eight areas of certification as specified by the National Institute for Automotive Service Excellence (ASE) and the National Automotive Technicians Education Foundation (NATEF). The course will examine the purpose, function, and operation of the major systems common to most automobiles. In addition, students will learn methodologies for inspecting and providing basic maintenance common to most vehicles. Students will work with the tools and equipment used for inspection, maintenance, repair, and diagnostic work. (C-ID AUTO 110X)

Lecture Hours: 2 Lab Hours: 4.5 Repeatable: No Grading: L

Advisory Level: Read: 2 Write: 2 Math: 2

Transfer Status: CSU Degree Applicable: AA/AS

CSU GE: None IGETC: None District GE: None

AUTO-119: Introduction to Engine Performance, 2.5 Units

This course is part of the Automotive Basic Skills track emphasizing engine systems relevant to performance and driveability. Classroom theory, engine analyzers and test equipment will be utilized to diagnose modern automobile engine systems. Engine diagnostic strategies will be performed in the lab as they would be in the workplace. In addition to gaining hands-on experience, successful students will build teamwork and cooperative skills, improve their time management practices, and develop sound workmanship values.

Lecture Hours: 2 Lab Hours: 2 Repeatable: No Grading: L

Prerequisite: AUTO 102 with C or better or equivalent

Advisory Level: Read: 3 Write: 3 Math: 2

Transfer Status: None Degree Applicable: AS

CSU GE: None IGETC: None District GE: None

AUTO-103: Light Line Technician, 2 Units

This course will prepare students for entry level employment in the automotive field as a first-level maintenance technician. The course will also introduce students to the Express Service training that the American Honda Program provides. Each student is assigned various vehicles and performs routine maintenance, inspection, and basic performance testing tasks that are commonly performed at automobile dealerships. In addition to gaining hands-on experience, successful students will build teamwork and cooperative skills, improve their time management practices, and develop sound workmanship values.

Lecture Hours: 1 Lab Hours: 3 Repeatable: No Grading: L

Prerequisite: AUTO 102 with C or better or equivalent

Advisory Level: Read: 3 Write: 3 Math: 2

Transfer Status: None Degree Applicable: AS

CSU GE: None IGETC: None District GE: None

AUTO-170: Electrical Systems, 3 Units

This course introduces students and entry level automotive technicians to the automotive electrical system. The course covers DC electrical theory, magnetism, Ohm's law, series and parallel circuits, passive components, and system dynamics. Students learn to calculate and measure voltage, resistance and current in theoretical and live circuits, build and test working models of typical automotive electrical systems using table top components and industry specific simulators, and practice diagnosis and repair procedures on a variety of vehicles. Students will also develop an understanding of modern electrical test equipment, such as DMMs, GDMMs, and DSO's, and industry standard troubleshooting and repair procedures. This course will prepare students for the ASE A6, Automotive Electrical Systems, certification examination.

Lecture Hours: 2 Lab Hours: 3 Repeatable: No Grading: L

Prerequisite: AUTO 102 with C or better

Advisory Level: Read: 3 Write: 3 Math: 2

Transfer Status: None Degree Applicable: AS

CSU GE: None IGETC: None District GE: None

AUTO-173: Automotive Service Operations, 2 Units

This course will provide overview information about careers in Automotive Technology. Preparation for "on the job" experience will include presentations and discussions about professionalism, work ethics, diplomacy, consumerism, safety, hazardous wastes, tools and equipment, as well as employee, employer, and customer relations.

Lecture Hours: 2 Lab Hours: None Repeatable: No Grading: L

Advisory Level: Read: 2 Write: 2 Math: 2

Transfer Status: None Degree Applicable: AS

CSU GE: None IGETC: None District GE: None

Building Information Modeling: Leads to a Certificate of Achievement and careers in construction and project management

BIM-120: Construction, Means, Methods, and Materials, 3 Units

This course is an introduction to construction management as it relates to understanding the multi-faceted roles and responsibilities that are typically shared by project team members during the course of a construction project. The material is presented through lecture, discussion, mixed media and real-world examples. Innovations that are changing the industry as well as building for a sustainable future are also covered.

Lecture Hours: 3 Lab Hours: None Repeatable: No Grading: L

Advisory Level: Read: 3 Write: 3 Math: 2

Transfer Status: CSU Degree Applicable: AA/AS

CSU GE: None IGETC: None District GE: None

BIM-121: Virtual Design and Construction Workflow, 3 Units

This course will introduce students to Virtual Design and Construction workflow processes and procedures, and expose them to the software tools required.

Lecture Hours: 3 Lab Hours: None Repeatable: No Grading: L

Advisory Level: Read: 3 Write: 3 Math: 1

Transfer Status: CSU Degree Applicable: AA/AS

CSU GE: None IGETC: None District GE: None

BIM-122: Managing Construction Coordination Meetings, 3 Units

This course will cover the most commonly used software tools for managing construction coordination meetings. The software tools will be used in conjunction with "Best in Class" Clash Detection and Coordination meeting processes that enable rapid decision making abilities to keep projects on schedule, as well as maintain budgets and within the defined quality requirements of the projects.

Lecture Hours: 3 Lab Hours: None Repeatable: No Grading: L

Advisory Level: Read: 3 Write: 3 Math: 1

Transfer Status: CSU Degree Applicable: AA/AS

CSU GE: None IGETC: None District GE: None

BIM-123: Fundamentals of Revit, 2 Units

This course will cover the fundamentals of Autodesk Revit Architecture in a lab format with hands-on learning. Students will learn how to set up a new building information model; create a basic floor plan; work with basic architectural elements (walls, doors, windows, floors, ceilings, roofs, curtain walls, stairs and railings); create sections, elevations and callout views; add annotations including dimensions, text, tags, schedules and legends; and share designs by working in teams, creating architectural visualization renderings and plotting finished drawings. Students are also introduced to the basics of creating simple families.

Lecture Hours: None Lab Hours: 6 Repeatable: No Grading: L

Recommended: Basic AutoCAD or equivalent skills

Advisory Level: Read: 2 Write: 2 Math: 2

Transfer Status: None Degree Applicable: AS

CSU GE: None IGETC: None District GE: None

BIM-124: Advanced Revit, 2 Units

This course is focused specifically on providing an intermediate to advanced level of training on Revit Architecture. The skills presented during this class are for experienced Revit users and are designed to help experienced users take the next step in advancing their current knowledge of Revit Architecture. Students will create architectural visualization renderings, use filters, section boxes, design options and phasing to present various display ideas and solutions. They will also create advanced families, develop advanced schedules using project and shared parameters and conceptual massing.

Lecture Hours: None Lab Hours: 6 Repeatable: No Grading: L

Prerequisite: BIM 123 with C or better

Advisory Level: Read: 3 Write: 3 Math: 3

Transfer Status: None Degree Applicable: AS

CSU GE: None IGETC: None District GE: None

BIM-125: Planning and Managing Construction Projects with 4D CAD, 3 Units

Building Information Modeling (BIM) integrates 3D drawings and 4D animations to dramatically improve the communication, coordination, and planning of construction projects, while reducing risks, errors, and costs. BIM is an in-depth resource that shows architects and building professionals how to capitalize on BIM concepts, tools, and techniques for their own building projects.

Lecture Hours: 3 Lab Hours: None Repeatable: No Grading: L

Advisory Level: Read: 3 Write: 3 Math: 1

Transfer Status: None Degree Applicable: AS

CSU GE: None IGETC: None District GE: None

BIM-138: BIM Work Experience, 1-8 Units

Occupational work experience is designed for students who work or volunteer in the field related to their career major. Students are required to provide evidence that they are enrolled in BIM course(s). Students can earn one unit of credit for each 60 hours of unpaid volunteer time or 75 hours of paid work during the semester. Students can repeat Career/Occupational Work Experience, combined with General Work Experience, or alone, up to a maximum of 16 units. Internship/job placement is not guaranteed.

Lecture Hours: None Lab Hours: 2.07 Repeatable: Yes Grading: O

Corequisite: Be employed or a volunteer at an approved work-site for the minimum number of hours per unit as stipulated for paid and unpaid status

Advisory Level: Read: 3 Write: 3 Math: None

Transfer Status: CSU Degree Applicable: AA/AS

CSU GE: None IGETC: None District GE: None

CIT-010: Computer and Information Technology, 3 Units

This course is an examination of information systems in business. Students will focus on information systems, database management systems, networking, e-commerce, ethics and security, computer systems hardware and software components. Application of these concepts and methods will be through hands-on projects developing computer-based solutions to business problems. (C-ID BUS 140)

Lecture Hours: 3 Lab Hours: 1 Repeatable: No Grading: L

Advisory Level: Read: 3 Write: 3 Math: 2

Transfer Status: CSU/UC Degree Applicable: AA/AS

CSU GE: None IGETC: None District GE: None

Manufacturing Technology: Leads to careers in advanced manufacturing and logistics**MFGT-101: Introduction to Advanced Manufacturing, 2 Unites**

The course will introduce the concepts and standards used in modern advanced manufacturing, including employability soft skills, and careers. Topics include Brief History of Manufacturing, 21st Century Employability Skills, Safety and Hazardous Waste, Manufacturing Processes, Company Organizational Structure, Career Opportunities, Legal Requirements for Manufacturing, Common Manufacturing Standards, Process Control Techniques, Problem Solving, and Automatic Manufacturing. Field trips will be required.

Lecture Hours: 1.5 Lab Hours: 1.5 Repeatable: No Grading: L

Advisory Level: Read: 4 Write: 4 Math: 3

Transfer Status: None Degree Applicable: AS

CSU GE: None IGETC: None District GE: None

MFGT-102: Math for Manufacturing, 2 Units

This course is a practical approach to mathematics and data analysis. The course will examine how mathematics, fractions, decimals, percentages, algebraic functions, logarithmic calculations, order of operations, units of measurement, practical data analysis, probability, and statistical analysis are used in advanced manufacturing industries.

Lecture Hours: 1.5 Lab Hours: 1.5 Repeatable: No Grading: L

Advisory Level: Read: 4 Write: 4 Math: 3

Transfer Status: None Degree Applicable: AS

CSU GE: None IGETC: None District GE: None

MFGT-103: Introduction to Assembly, 3 Units

The course will introduce the basic concepts, practices, procedures, and standards used in manufacturing assembly processes. Topics will include: reading mechanical drawings, dimensioning, tolerances; measuring techniques and tools; forming, joining, cutting, and additive methods; understanding connectors, wire routing, soldering; working under a microscope; and torquing techniques. The course emphasizes job-related skills required by the manufacturing industry.

Lecture Hours: 2.5 Lab Hours: 1.5 Repeatable: No Grading: L

Corequisite: MFGT 102

Advisory Level: Read: 4 Write: 4 Math: 3

Transfer Status: None Degree Applicable: AS

CSU GE: None IGETC: None District GE: None

BIS-109: Microsoft Office, 3 Units

Students will gain practical experience in creating business documents using the current version of the Microsoft Office applications. Students will learn to create, format and integrate Word and Excel documents, Access databases and PowerPoint presentations.

Lecture Hours: 2.5 Lab Hours: 1.5 Repeatable: No Grading: O

Recommended: CIT 010

Advisory Level: Read: 3 Write: 3 Math: None

Transfer Status: CSU Degree Applicable: AA/AS

CSU GE: None IGETC: None District GE: None

Computer Information Technology: Leads to Certificate of Achievement and careers in web publishing, programming, and other technology positions

CIT-010: Computer and Information Technology, 3 Units

This course is an examination of information systems in business. Students will focus on information systems, database management systems, networking, e-commerce, ethics and security, computer systems hardware and software components. Application of these concepts and methods will be through hands-on projects developing computer-based solutions to business problems. (C-ID BUS 140)

Lecture Hours: 3 Lab Hours: 1 Repeatable: No Grading: L

Advisory Level: Read: 3 Write: 3 Math: 2

Transfer Status: CSU/UC Degree Applicable: AA/AS

CSU GE: None IGETC: None District GE: None

CIT-020: Program Design and Development, 3 Units

This course is an introduction to computer programming and the fundamentals of application development. The focus is on problem solving and program design, including analysis, data structures, programming logic, and fundamental design techniques for event-driven programs. Students will code their designs in a modern programming language and development platform. Debugging and testing will be treated as extensions of the coding task.

Lecture Hours: 2 Lab Hours: 3 Repeatable: No Grading: L

Prerequisite: MATH 013 with C or better.

Advisory Level: Read: 3 Write: 3 Math: None

Transfer Status: CSU/UC Degree Applicable: AA/AS

CSU GE: None IGETC: None District GE: None

CIT-040: Web Design I, Internet Publishing, 3 Units

This course teaches basic skills in HTML and design/layout concepts. These techniques will be used to design, develop and maintain professional Web sites.

Lecture Hours: 2.5 Lab Hours: 1.5 Repeatable: No Grading: L

Recommended: Knowledge of Internet, equivalent to material taught in CIT 010. Familiarity with file manager; ability to use a simple text editor such as Notepad

Advisory Level: Read: 3 Write: 3 Math: None

Transfer Status: CSU Degree Applicable: AA/AS

CSU GE: None IGETC: None District GE: None

CIT-044: Java Programming, 3 Units

This course is intended for students with some knowledge of programming who want to develop Java applets and stand-alone applications. Java interfaces, class inheritance, and exceptions will be covered. Applications covering I/O and graphics will also be addressed.

Lecture Hours: 2.5 Lab Hours: 1.5 Repeatable: No Grading: L

Recommended: Knowledge of programming equivalent to that taught in either CIT 020, CIT 042, CIT 024, or COMSC 075.

Advisory Level: Read: 3 Write: 3 Math: 2

Transfer Status: CSU/UC Degree Applicable: AA/AS

CSU GE: None IGETC: None District GE: None

Dual Enrollment Pathway Courses



Art and Media Pathways

Art: Leads to AS degree and careers in photography, illustration, 2- and 3-dimensional art, and architecture

ART-091: Survey of Art History: Prehistoric Through Gothic, 3 Units

This course is an illustrated survey of Western Art History from the Prehistoric through the Gothic periods. Course content emphasizes painting, sculpture, and architecture from important centers of Western culture, and how art reflects historical, social, political, and religious attitudes of the time. Presentation of the material is through lecture with projected images. Comparative analysis of styles and artists with critical evaluation of aesthetics will be included. Topics include Prehistoric, Egyptian, Greek, Roman, Early Christian, Romanesque, Byzantine, Medieval, and Gothic Art. (C-ID ARTH 110)

Lecture Hours: 3 Lab Hours: None Repeatable: No Grading: L

Advisory Level: Read: 4 Write: 4 Math: None

Transfer Status: CSU/UC Degree Applicable: AA/AS

CSU GE: C1 IGETC: 3A District GE: C1

ART-092: Survey of Art History: Renaissance to the Present, 3 Units

This course is an illustrated survey of Western Art History from the Renaissance through the present. Course content emphasizes painting, sculpture, and architecture from the most important centers of culture, and how art reflects historical, social, political, and religious attitudes of the time. Presentation of the material is through lecture with projected images. Comparative analysis of styles and artists with critical evaluation of aesthetics will be included. Topics include Early to High Renaissance, Mannerism, Baroque, Rococo, Romanticism, Realism, Impressionism, Post Impressionism, Fauvism, Cubism, Abstract Expressionism and Post-Modernism. (C-ID ARTH 120)

Lecture Hours: 3 Lab Hours: None Repeatable: No Grading: L

Advisory Level: Read: 4 Write: 4 Math: None

Transfer Status: CSU/UC Degree Applicable: AA/AS

CSU GE: C1 IGETC: 3A District GE: C1

ART-024: Beginning Drawing, 3 Units

Students are introduced to the fundamental elements and compositional principles of drawing. Lecture and studio practice will emphasize a variety of media, tools and techniques in studying the elements and principles of drawing, including line, shape, value, perspective, proportion, balance and unity. (C-ID ARTS 110)

Lecture Hours: 2 Lab Hours: 4 Repeatable: No Grading: L

Advisory Level: Read: 3 Write: 3 Math: None

Transfer Status: CSU/UC Degree Applicable: AA/AS

CSU GE: None IGETC: None District GE: None

Digital Media: Leads to AS degree and careers in photography, illustration, 2- and 3-dimensional art, and architecture

ART-035: Graphic Design I, 3 Units

This course is an introduction to the fundamental concepts, practices, and theories of graphic design. Students will be exposed to visual thinking and the design process. Students will practice professional graphic design techniques and principles from initial conception to final execution. Topics include integration of the principles of design, color, and composition utilizing computers. (C-ID ARTS 250)

Lecture Hours: 2 Lab Hours: 3 Repeatable: No Grading: O

Advisory Level: Read: 3 Write: 3 Math: None

Transfer Status: CSU/UC Degree Applicable: AA/AS

CSU GE: None IGETC: None District GE: None

ART-038: Graphic Design II, 3 Units

This course builds on the visual language achieved in Graphic Design I and further develops communication skills, concepts and theories that create successful visual design. Topics include combining and utilizing design principles and exploration of visual organization theory and informational theory. Emphasis is placed upon developing an aesthetic which recognizes the visual impact of typographic choices. Students who complete this course will gain a further understanding of the principles of design and learn specific uses of design in advertising, corporate identity design, Web design, and interactive media.

Lecture Hours: 2 Lab Hours: 3 Repeatable: No Grading: L

Prerequisite: ART 035 with C or better or equivalent knowledge of Graphic Design

Advisory Level: Read: 3 Write: 3 Math: None

Transfer Status: CSU Degree Applicable: AA/AS

CSU GE: None IGETC: None District GE: None

ART-039: Introduction to Digital Video, 3 Units

This class focuses on the techniques of conceptualizing and making short films using industry standard digital video software. Students will use some of their own imagery as well as Internet resources to create professional pieces of video work. The class will help students to develop their individual creativity while working around the typical financial and technical constraints of a beginning artist. Students will be introduced to the history of film and video art, copyright policies and web publishing.

Lecture Hours: 2.5 Lab Hours: 1.5 Repeatable: No Grading: L

Recommended: Basic Computer Skills

Advisory Level: Read: 3 Write: 3 Math: None

Transfer Status: CSU Degree Applicable: AA/AS

CSU GE: None IGETC: None District GE: None

ART-032: Photoshop I, 3 Units

In this introductory course, students will learn the basics of Adobe Photoshop to create digital images for print and for the screen. Topics include color correction, image manipulation, digital painting, photo retouching and restoration, and photo montage and compositing techniques. Use of digital cameras, scanners, and other digital imaging equipment may be required.

Lecture Hours: 2 Lab Hours: 4 Repeatable: No Grading: O

Advisory Level: Read: 3 Write: 3 Math: None

Transfer Status: CSU/UC Degree Applicable: AA/AS

CSU GE: None IGETC: None District GE: None

Dual Enrollment Pathway Courses



Health and Human Services Pathways

Child Development and Education: Leads to transfer pathways and careers in early childhood, K-12, and higher education

Satisfied with courses from the General Education list: FCS-070, FCS-019, PSYCH-092

Personal and Community Health: Leads to transfer pathways and careers in public health, allied health, medicine

FCS-050: Life Management, 3 Units

Life Management provides students with the skills to reach their educational, individual, and career goals. The course introduces students to strategies, techniques, and management tools that lead to success. The course explores day-to-day resources including time, energy, and money. Major topics include value clarification, goal setting, decision making, problem solving, effective study techniques, time management, health, money management, education and career planning, communication and listening skills along with conflict management and managing stress.

Lecture Hours: 3 Lab Hours: None Repeatable: No Grading: L

Advisory Level: Read: 3 Write: 3 Math: None

Transfer Status: CSU Degree Applicable: AA/AS

CSU GE: E IGETC: None District GE: E

HED-011: Dynamic Health Concept, 3 Units

This course surveys current health issues. Topics include the latest information on defining health; global and national health issues; mental health; use of tobacco, alcohol and illicit drugs; nutrition; common infectious and non infectious diseases including risk factors and prevention; human sexuality; and environmental health issues. Primary emphasis is directed to the individual's total emotional, intellectual and social health across the life span. Students are empowered to make intelligent, analytical decisions related to personal and community health.

Lecture Hours: 3 Lab Hours: None Repeatable: No Grading: L

Advisory Level: Read: 3 Write: 3 Math: None

Transfer Status: CSU/UC Degree Applicable: AA/AS

CSU GE: E IGETC: None District GE: E

HED-010: TBD (new course)