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Auto Body

AB 117 Print Reading and Interpretation
3.0 units
Acceptable for credit: Transfer CSU
An introductory class where students will learn to read engineering drawings, evaluate print specifications, recognize orthographic views and visualize the actual objects or projects shown in the illustration. This course is not open to students who are enrolled in or have received credit for AB 330, AT 330, ET 330, MT 330, or AT/ET/MT 117. (Letter Grade or Pass/No Pass)

AB 300 Shop Math and Measurement
3.0 units
Acceptable for credit: D - Credit - Degree Applicable
An introduction to the mathematics used in the Industrial Technology programs. Students will learn to solve problems using fractions, decimals, percentage, ratios and basic geometric shapes. Students will learn about the Cartesian coordinate system and how to use a variety of basic and precision measuring tools from rulers and tape measures to calipers and micrometers. This course is not open to students who have received credit for AT/ET/MT or WLDT 381 or AT/ET/MT/WLDT 300. (Fall, Spring) (Letter Grade or Pass/No Pass)

AB 351 Auto Body - Metal
3.0 units
Acceptable for credit: D - Credit - Degree Applicable
This course is designed to give students a basic knowledge of auto body metal repair, which includes metal finishing and plastic filler application. (Fall, Spring) (Letter Grade or Pass/No Pass)

AB 353 Auto Body Repair
3.0 units
Acceptable for credit: D - Credit - Degree Applicable
Prerequisite: AB 351 - Auto Body - Metal
This course is designed to increase student's skill and knowledge in the areas of frame; measurement, straightening, and alignment. Course work also includes panel service, and structural panel replacement. (Spring) (Letter Grade or Pass/No Pass)

AB 354 Selected Auto Body Paint Projects
1.0 unit
Acceptable for credit: D - Credit - Degree Applicable
Prerequisite: AB 356 - Automotive Painting Techniques
Projects selected by the student and developed under the direct supervision and of instructional staff in the auto collision disciplines. Work is completed under the supervision of the responsible instructor in the auto body lab. The student must have the basic knowledge of painting techniques to complete the project. (Fall, Spring) (Letter Grade or Pass/No Pass)

AB 355 Selected Auto Body Metal Projects
1.0 unit
Acceptable for credit: D - Credit - Degree Applicable
Prerequisite: AB 351 - Auto Body - Metal
Projects selected by the student and developed under the direct supervision of instructional staff in the auto collision disciplines. Work is completed under the supervision of the responsible instructor in the auto body lab. The student must have the basic knowledge of painting techniques to complete the project. (Fall, Spring) (Letter Grade or Pass/No Pass)

AB 356 Automotive Painting Techniques
3.0 units
Acceptable for credit: D - Credit - Degree Applicable
This course is designed to increase student's skill and knowledge in the areas of automotive painting techniques. Course work includes preparation of vehicle, types of equipment, characteristics of paints, and techniques of paint application. (Fall, Spring) (Letter Grade or Pass/No Pass)

AB 358 Automotive Refinishing
3.0 units
Acceptable for credit: D - Credit - Degree Applicable
Prerequisite: AB 356 - Automotive Painting Techniques
This course is designed to increase student's skill and knowledge in the application of preparing, masking, painting, and detailing techniques. Course work also includes restoring corrosion protection, plastic bumper repair, and custom air brush graphics. (Spring) (Letter Grade or Pass/No Pass)

AB 360 Collision Repair
5.0 units
Acceptable for credit: D - Credit - Degree Applicable
Prerequisite: AB 353 - Auto Body Repair
This course is designed to increase student's skill and knowledge in the areas of major collision repair, including vehicle construction, estimating, MIG welding, door, roof, glass, chassis, and electrical service. Students will also develop their abilities to achieve commercially acceptable speed and quality levels in auto collision repair. (Fall) (Letter Grade or Pass/No Pass)

AB 370 SkillsUSA
3.0 units
Acceptable for credit: D - Credit - Degree Applicable
Repeatable: 3.00
SkillsUSA is a partnership of students, teachers and industry working together to ensure America has a skilled workforce. This SkillsUSA course prepares students for employment and inter-collegiate competition in Career Technical Education. Students will learn to plan projects, work in teams, solicit community support and develop a range of skills valued by employers. Students registered for this class may not register for ARCH 370, AT 370, EL 370, ET 370, MT 370 or WLDT 370 during the same semester. Participation in the SkillsUSA competition is required. This course may be repeated up to three times for credit with different competitions. (Fall, Spring) (Letter Grade or Pass/No Pass)

AB 389 Independent Projects
1.0 - 3.0 units
Acceptable for credit: D - Credit - Degree Applicable
Prerequisite: AT 100 - Automotive Fundamentals
Acceptable for credit: CSU, UC-Determined after admission
Courses for students capable of independent work who demonstrate the need or desire for additional study beyond the regular curriculum. Enrollment allows students to pursue activities such as directed field experience, research, or development of

skills and competencies under faculty advisement and supervision. Independent projects may be earned in most disciplines. Students wishing to enroll in Independent Projects should contact the appropriate instructor identified in the class schedule. If the project proposed is acceptable to that instructor, a contract will be developed. All contracts for these classes must be completed and submitted to the Records Office no later than the end of the second week of the semester. Students may enroll for any combination (unit value) of Independent Projects 189 and/or 389 for a total of four semesters in a specific discipline. Units are awarded depending upon satisfactory performance and the amount of time committed by the student to the course. Allowable units vary according to discipline, and are based on the following formula: 1 unit - 48 hours per semester 2 units - 96 hours per semester 3 units - 144 hours per semester (Letter Grade or Pass/No Pass)

Accounting

ACCT 105 Introduction to Accounting
3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: NA
A study of the major areas of accounting to provide an overview of financial, managerial and tax accounting. (Fall, Spring) (Letter Grade or Pass/No Pass)

ACCT 131 Financial Accounting 1
3.0 units
Acceptable for credit: *Transfer to CSU, limited to UC/see counselor
C-ID Course Number: ACCT 110
An introduction to the role of financial accounting in business and the accounting process. Topics include recognition, measurement, classification and presentation of business events; and analyzing and recording asset transactions; and performance evaluation. This is the first semester of a two semester course. This course is not open to students who have received credit for ACCT130. (Fall, Spring, Summer) (Letter Grade Only)

ACCT 132 Financial Accounting 2
3.0 units
Acceptable for credit: *Transfer to CSU, limited to UC/see counselor
C-ID Course Number: ACCT 110
Prerequisite: ACCT 131 - Financial Accounting 1
An introduction to the role of financial accounting in business and the accounting process. Topics include recognition, measurement, and classification of business events; analyzing and recording financial investment, liability and equity transactions; and performance evaluation. This is the second semester of a two semester course. This course is not open to students who have received credit for ACCT130. (Fall, Spring, Summer) (Letter Grade Only)

ACCT 140 Managerial Accounting
3.0 units
Acceptable for credit: *Transfer to CSU, limited to UC/see counselor
C-ID Course Number: ACCT 120
Prerequisite: ACCT 130; or ACCT 131 - Financial Accounting 1 ; and ACCT 132 - Financial Accounting 2
Introduces the analysis and techniques for aiding management in planning and controlling decisions, and the use of accounting data for budgeting, cost control, pricing, evaluation of performance and general decision making. This course is not open to students who have received credit for ACCT 123 and/or ACCT 124. (Fall, Spring) (Letter Grade Only)

ACCT 150 Introduction to Accounting Information Systems
3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Prerequisite: ACCT 131 - Financial Accounting 1 ; and ACCT 132 - Financial Accounting 2 ; or ACCT 317 - Bookkeeping 1 ; and ACCT 318 - Bookkeeping 2
An introduction to the development and analysis of accounting information systems including the use of a commercially-used small business accounting management system (QuickBooks). This course is not open to students who have received credit for Accounting 110. (Fall, Spring) (Letter Grade Only)

ACCT 160 Introduction Financial Statement Analysis
3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Prerequisite: ACCT 131 - Financial Accounting 1 ; and ACCT 132 - Financial Accounting 2 ; or ACCT 317 - Bookkeeping 1 ; and ACCT 318 - Bookkeeping 2
An introduction to the analysis, interpretation, and research of financial statement information. (Fall, Spring) (Letter Grade Only)

ACCT 170 Introduction to Tax Accounting
3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
A survey of the laws, procedures, returns, and subsidiary schedules involved in the preparation of federal and state personal tax returns. This course meets the continuing education requirements of the California Tax Preparer Program. This course is not open to students who have completed ACCT 305. (Fall, Spring) (Letter Grade Only)

ACCT 317 Bookkeeping 1
3.0 units
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: N/A
A study of basic bookkeeping practices using accrual accounting concepts for sole proprietorships, with emphasis on manual techniques of data entry and financial statement preparation. (Fall, Spring) (Letter Grade or Pass/No Pass)

ACCT 318 Bookkeeping 2
3.0 units
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: N/A
Prerequisite: ACCT 317 - Bookkeeping 1

A continuation of the study of basic bookkeeping practices using accrual accounting concepts for partnerships and merchandising businesses, with emphasis on manual techniques of data entry and financial statement preparation. (Spring) (Letter Grade or Pass/No Pass)

ACCT 327 Payroll Accounting

3.0 units

Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: N/A
Prerequisite: ACCT 317 - Bookkeeping 1
A study of payroll computations, payroll record keeping, and the filing of quarterly and annual payroll tax reports. Topics include state disability insurance, unemployment insurance, and income taxes. Introduces, at the federal level, Social Security, unemployment insurance, and income tax and how these taxes affect the employee/employer. (Fall, Spring) (Letter Grade or Pass/No Pass)

ACCT 399 Special Topics in Accounting

0.5 - 3.0 units

Acceptable for credit: -
Provides an opportunity to explore particular aspects of the discipline which are not covered in detail in the existing program. See the current schedule of classes for topics being offered. Offerings identified as 399 are not on a regular cycle (not within a two year period) (Pass/No Pass)

Agriculture

AG 100 Introduction to Agricultural Studies and Careers

1.0 unit

Acceptable for credit: Transfer CSU
C-ID Course Number: n/a
This course provides guidance for the educational pathways leading to degrees and certificates in the agricultural sciences. Emphasis also provided in the exploration of agriculture careers and employment opportunities. Assists students in setting both educational and career goals. Students develop an educational plan based on the curriculum requirements of agriculture majors. Students will learn the skills necessary for success in obtaining, maintaining and advancing in agriculture careers. Current issues that affect agriculture will be discussed. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

AG 116 Introduction to Precision Agriculture

3.0 units

Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Advisories: GEOG 155 - Introduction to GIS with Lab
An introduction to the application of precision agricultural technologies with an emphasis on the collection and interpretation of field data to make appropriate management decisions. Topics will include remote sensing applications, variable rate technologies, automated equipment and software, and navigation using GIS/GPS in the field. (Summer) (Letter Grade or Pass/No Pass)

AG 125 Introduction to Soil Science

4.0 units

Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: AG-PS 128
Advisories: CHEM 120 - Introductory Chemistry
A study of the physical, chemical, and biological properties of soils, including plant nutrition and factors affecting the availability of nutrients. Composition, value, use and application of fertilizer materials and soil amendments will be covered. The course is not open to students who are enrolled in or have received credit for VEN 125. (Fall) (Letter Grade or Pass/No Pass)

AG 126 Fertilizers and Plant Nutrition

4.0 units

Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Advisories: AG 125 - Introduction to Soil Science
This course will provide an introduction to fertilizers and plant nutrition. Essential nutrients for plant development will be studied as well as deficiency symptoms and methods of correcting for these deficiencies. Fertilizer and other soil amendments will be studied as well as the proper management and application methods for these products. This course is not open to students who have completed or are enrolled in VEN 126. (Spring) (Letter Grade or Pass/No Pass)

AG 130 Integrated Pest Management

4.0 units

Acceptable for credit: Transfer CSU
C-ID Course Number: n/a
Prerequisite: VEN 102 - Introduction to Viticulture ; or AG 161 - Introduction to Plant Science
A study of the various pests and diseases found in California vineyard, fruit, vegetable, nut and grain crops - emphasizing pest and disease identification, sampling and monitoring techniques, and control methods. Integrated pest management approaches will be emphasized, including the latest bio-control strategies, biotechnological advances, and disease modeling for risk management. Students will visit local vineyards and farms providing "hands-on" learning opportunities. Two separate lab sections will be offered in order to provide students the appropriate option for their agricultural field of interest. Section I will be for the Viticulture focus, Section II will be for the Agriculture focus. (Spring) (Letter Grade or Pass/No Pass)

AG 134 Internship Seminar

1.0 unit

Acceptable for credit: *Transfers to CSU, limited to UC/crd detrmd aftr trnsfr
Corequisite: Concurrent enrollment in AG 149, CWE 149 or CWE 302
Provides students with a seminar format to discuss, analyze, and critically evaluate their work-based learning experiences. This forum emphasizes job market Information, attitudes, and abilities that facilitate job success; skills necessary for maintaining employment; and techniques for enhancing job advancement opportunities. (Fall, Spring) (Letter Grade Only)

AG 149 Cooperative Work Experience: Occupation

1.0 - 8.0 units

Acceptable for credit: Transfer CSU
C-ID Course Number: n/a
Limitations on Enrollment: To participate in Cooperative Work Experience: (1) students must be working at a job within their major, (2) students must be able to become involved in new or expanded responsibilities on the job, (3) the employer must be willing to cooperate with the college in the supervision and evaluation of the student and (4) the student must attend all coordination/consultation meetings in addition to other work and class responsibilities. NUMBER OF TIMES COURSE CAN BE REPEATED: Students enrolled in CWE 149 may earn up to 8 units of credit per semester not to exceed 16 units in total. Any units earned in any other Cooperative Work Experience course will be included in the 16 unit maximum. CWE Units Unpaid Placement: 1 unit 60 hours 2 units 120 hours 3 units 180 hours 4 units 240 hours 5 units 300 hours 6 units 360 hours 7 units 420 hours 8 units 480 hours CWE Units Paid Placement: 1 unit 75 hours 2 units 150 hours 3 units 225 hours 4 units 300 hours 5 units 375 hours 6 units 450 hours 7 units 525 hours 8 units 600 hours
Supervised employment extending classroom-based learning to an on-the-job learning environment relating to the student's career and educational goals. In addition, these work experiences improve the student's basic work skills and professional competencies by creating career awareness, improving work habits, and fostering positive workplace attitudes. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

AG 150 Introduction to Agribusiness

3.0 units

Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: AB 104
Provides a basic understanding of the business and economics of the agricultural industry; an introduction to the economic aspects of agriculture and their implications to the agricultural producer, consumer and the food system; management principles encountered in the day to day operation of an agricultural enterprise as they relate to the decision making process. (Fall) (Letter Grade or Pass/No Pass)

AG 152 Introduction to Animal Science

3.0 units

Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: AG-AS 104
Advisories: BIOL 100 - Introductory Biology
A scientific approach to the livestock industry encompassing aspects of animal anatomy, physiology, nutrition, genetics and epidemiology. Emphasis on the origin, characteristics, adaptations and contributions of livestock to the modern agriculture industry. Field trips may be required. (Spring) (Letter Grade or Pass/No Pass)

AG 153 Introduction to Sustainable Agriculture

3.0 units

Acceptable for credit: Transfer CSU
C-ID Course Number: n/a
Introduction to the history, definitions, concepts, principles and practices of sustainable agricultural systems. Includes an examination of case studies to connect sustainable agriculture principles to actual farming practices. (Spring) (Letter Grade or Pass/No Pass)

AG 154 Introduction to Fruit Science

3.0 units

Acceptable for credit: Transfer CSU
C-ID Course Number: n/a
The botany, taxonomy, and development of major fruit, vine, and nut crops in California including variety selection, production practices including site selection establishment, fertilization, pollination, irrigation, harvest, storage, processing, marketing, pest management, and pruning. (Fall) (Letter Grade or Pass/No Pass)

AG 155 Introduction to Mechanized Agriculture

3.0 units

Acceptable for credit: Transfer CSU
C-ID Course Number: n/a
Basic mechanical skills in woodworking, cold metal, electricity, plumbing, concrete, and project construction skills as related to farm maintenance and repair. Development of hand and power tool skills as well as emphasis on safety practices for all mechanical areas. Shop safety. (Letter Grade or Pass/No Pass)

AG 156 Intro to Environmental Horticulture

3.0 units

Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: n/a
General course in environmental horticulture with emphasis on nursery operations, landscaping, turf management, and floral industries including: basic botany, cultural practices, propagation, structures and layout, pest management, planting, container gardening and houseplants, floral design, plant identification, turfgrass installation and care, and survey of career opportunities. (Spring) (Letter Grade or Pass/No Pass)

AG 157 Agricultural Sales, Communication, and Leadership

3.0 units

Acceptable for credit: Transfer CSU
C-ID Course Number: C-ID AG-AB 112
The study of principles and practices of the selling process: selling strategies and approaches, why and how people buy, prospecting, territory management, and customer service. Self-management, communication, and interpersonal skills necessary in developing managerial abilities, leadership qualities, and facilitating teamwork within the agribusiness sector will be explored. Students will gain experience through role-play, formal sales presentations, and job shadowing. The course content is organized to give students an in-depth understanding of the factors and influences that affect the agribusiness industry on a day-to-day basis. (Spring) (Letter Grade or Pass/No Pass)

AG 158 Agricultural Economics

3.0 units

Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: AG-AB 124

The place of agriculture and farming in the economic system; basic economic concepts and problems of agriculture; pricing and marketing problems, factors of production; and state and federal farm programs affecting the farmer's economic position. (Fall) (Letter Grade or Pass/No Pass)

AG 160 Plant Propagation and Production

3.0 units

Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: AG-EH 116L
Prerequisite: AG 161 - Introduction to Plant Science ; or BIOL 154 - General Botany
Plant propagation and production practices with emphasis on nursery operations including sexual and asexual reproduction, planting, transplanting, fertilizing, plant pest and disease control; structures and site layout; preparation and use of propagating and planting mediums; use and maintenance of common tools and equipment; regulations pertaining to plant production. Laboratory required. (Spring) (Letter Grade or Pass/No Pass)

AG 161 Introduction to Plant Science

4.0 units

Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: AG-PS 104
Advisories: BIOL 100 - Introductory Biology
Introduction to plant science including structure, growth processes, propagation, physiology, growth media, biological competitors, and post-harvest factors of food, fiber, and ornamental plants. (Fall) (Letter Grade or Pass/No Pass)

AG 162 Agricultural Plant Pathology

4.0 units

Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: n/a
Corequisite: AG 161 - Introduction to Plant Science ; or BIOL 100 - Introductory Biology
A study of the nature and causes of disease in plants, with particular emphasis on agricultural commodities. This course will cover disease cycles, symptoms, host-parasite interactions, disease development in relation to the environment, methods of prevention, and methods of control such as cultural, chemical and biological. Industry-based field trips and/or guest speakers will be used to exemplify classroom knowledge. (Spring) (Letter Grade or Pass/No Pass)

AG 163 Economic Entomology

4.0 units

Acceptable for credit: Transfer CSU
C-ID Course Number: n/a
Corequisite: BIOL 100 - Introductory Biology
Introduction to insects and mites of economic importance to agriculture. Covers the morphology, taxonomy, identification, life cycles, hosts, habitat relationships and control methods for insects of economic importance. Industry-based field trips and/or guest speakers will be used to exemplify classroom knowledge. (Spring) (Letter Grade or Pass/No Pass)

AG 164 Weed Science

4.0 units

Acceptable for credit: Transfer CSU
C-ID Course Number: n/a
Corequisite: AG 161 - Introduction to Plant Science ; or BIOL 100 - Introductory Biology
Introduction to the classification, identification and life cycles of common and poisonous weeds in California which are detrimental to cultivated crops, grasslands, animals and humans. Management practices to prevent and control weed population establishment will be covered. Industry-based field trips and/or guest speakers will be used to exemplify classroom knowledge. (Fall) (Letter Grade or Pass/No Pass)

AG 165 Qualified Applicator Training

2.0 units

Acceptable for credit: Transfer CSU
C-ID Course Number: n/a
This course will prepare students to take the Qualified Applicator License (QAL) or Qualified Applicator Certificate (QAC) exam as given by the California Department of Pesticide Regulation. Students will study pest management, pesticide labels and applications, safety, equipment, laws and regulations. Additional emphasis will be placed on exam categories based on student need. (Fall, Summer) (Letter Grade or Pass/No Pass)

AG 189 Independent Projects in Agriculture

1.0 - 3.0 units

Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Courses for students capable of independent work who demonstrate the need or desire for additional study beyond the regular curriculum. Enrollment allows students to pursue activities such as directed field experience, research, or development of skills and competencies under faculty advisement and supervision. Independent Projects may be earned in most disciplines. Students wishing to enroll in Independent Projects should contact the appropriate instructor identified in the class schedule. If the project proposed is acceptable to that instructor, a contract will be issued no later than the end of the second week of the semester. Units are awarded depending upon satisfactory performance and the amount of time committed by the student to the course. Allowable units vary according to discipline, and are based on the following formula: 1 unit - 48 hours per semester 2 units - 96 hours per semester 3 units - 144 hours per semester (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

AG 190 Agriculture Production Enterprise, Fall-Winter

2.0 units

Acceptable for credit: Transfer CSU
C-ID Course Number: n/a
This course provides an opportunity to examine and improve the Allan Hancock College On-Campus Student Farm. Students will gain the ability to design and implement basic farming techniques that can be used on either a small or medium-size farm during Fall-Winter crop seasons. Students will develop fundamental management, business, cultivation, and harvesting techniques throughout this course. At the end of the course, students can apply the necessary skills learned to start their own small-scale farm or apply them in the local agriculture industry. Produce safety will also

be addressed. Outdoor labor is required. (Fall) (Letter Grade or Pass/No Pass)

AG 191 Agriculture Production Enterprise, Spring
2.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: n/a
This course provides an opportunity to examine and improve the Allan Hancock College On-Campus Student Farm. Students will gain the ability to design and implement basic farming techniques that can be used on either a small or medium-size farm during the spring crop season. Students will develop fundamental management, business, cultivation, and harvesting techniques throughout this course. At the end of the course, students can apply the necessary skills learned to start their own small-scale farm or apply them in the local agriculture industry. Produce safety will also be addressed. Outdoor labor is required. (Spring) (Letter Grade or Pass/No Pass)

AG 192 Agriculture Production Enterprise, Summer
2.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: n/a
This course provides an opportunity to examine and improve the Allan Hancock College On-Campus Student Farm. Students will gain the ability to design and implement basic farming techniques that can be used on either a small or medium-size farm during Summer crop season. Students will develop fundamental management, business, cultivation, and harvesting techniques throughout this course. At the end of the course, students can apply the necessary skills learned to start their own small-scale farm or apply them in the local agriculture industry. Produce safety will also be addressed. Outdoor labor is required. (Summer) (Letter Grade or Pass/No Pass)

Administration Of Justice

AJ 101 Introduction to Criminal Justice
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: AJ 110
Advisories: Eligibility for ENGL 101
This course introduces students to the characteristics of the criminal justice system in the United States. Focus is placed on examining crime measurement, theoretical explanations of crime, responses to crime, components of the system, and current challenges to the system. The course examines the evolution of the principles and approaches utilized by the justice system and the evolving forces which have shaped those principles and approaches. Although justice structure and process is examined in a cross cultural context, emphasis is placed on the U.S. justice system, particularly the structure and function of U.S. law enforcement, courts, and corrections. Students are introduced to the origins and development of criminal law, legal process, and sentencing and incarceration policies. (Fall, Spring) (Letter Grade or Pass/No Pass)

AJ 102 Criminal Procedures
3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: AJ 122
Advisories: Eligibility for ENGL 101
This course provides an examination and analysis of due process in criminal proceedings from pre-arrest through trial and appeal utilizing statutory law and state and constitutional law precedents. (Fall, Spring) (Letter Grade or Pass/No Pass)

AJ 103 Concepts of Criminal Law
3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: AJ 120
Advisories: Eligibility for ENGL 101
This course offers an analysis of the doctrines of criminal liability in the United States and the classification of crimes against persons, property, morals, and public welfare. Special emphasis is placed on the classification of crime, the general elements of crime, the definitions of common and statutory law, and the nature of acceptable evidence. This course utilizes case law and case studies to introduce students to criminal law. The completion of this course offers a foundation upon which upper-division criminal justice course will build. The course will also include some limited discussion of prosecution and defense decision making, criminal culpability, and defenses to crimes. (Fall, Spring) (Letter Grade or Pass/No Pass)

AJ 104 Legal Aspects of Evidence
3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: AJ 124
Advisories: Eligibility for ENGL 101
This course examines categories of evidence and legal rules governing its admission and exclusion in the criminal process. Origin, development, philosophy and constitutional basis of evidence; constitutional and procedural considerations affecting arrest; search and seizure, kinds and degrees of evidence and rules governing admissibility; and judicial decisions interpreting individual rights and case studies. (Fall, Spring) (Letter Grade or Pass/No Pass)

AJ 105 Community Relations
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: AJ 160
This course examines the complex, dynamic relationship between communities and the justice system in addressing crime and conflict with an emphasis on the challenges and prospects of administering justice within a diverse multicultural population. Topics covered may include crime prevention, restorative justice, conflict resolution, and ethics. (Fall, Spring) (Letter Grade or Pass/No Pass)

AJ 106 Police Patrol Procedures
3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A

A study of policing in our society and the corresponding relationship to the Administration of Justice system. Topics include: policing, homeland security, community policing, patrol preparations, field observations/interviews,police ethics and professionalism, and public service responsibilities. (Fall) (Letter Grade or Pass/No Pass)

AJ 111 Criminal Investigation

3.0 units

Acceptable for credit: Transfer CSU
C-ID Course Number: AJ 140
Advisories: eligibility for ENGL 101
This course addresses the techniques, procedures, and ethical issues in the investigation of crime, including organization of the investigative process, crime scene searches, interviewing and interrogating, surveillance, source of information, utility of evidence, scientific analysis of evidence and the role of the investigator in the trial process. (Fall) (Letter Grade or Pass/No Pass)

AJ 115 Introduction to Criminology

3.0 units

Acceptable for credit: Non-Transferable
C-ID Course Number: No
Theories of the causes of criminal behavior, focusing on the person and the group; criminal behavior systems; the police behavioral response to criminal activity and its nature and causes. (Spring) (Letter Grade or Pass/No Pass)

AJ 120 Juvenile Law and Procedures

3.0 units

Acceptable for credit: Transfer CSU
C-ID Course Number: AJ 220
Advisories: Eligibility for ENGL 101
This course is an examination of the origin, development, and organization of the Juvenile Justice System as it evolved in the American Justice System. The course explores the theories that focuses on Juvenile Law, courts and processes, and the constitutional protections extended to juveniles administered in the American Justice System. (Fall, Spring) (Letter Grade or Pass/No Pass)

AJ 130 Introduction to Corrections

3.0 units

Acceptable for credit: Transfer CSU
C-ID Course Number: AJ 200
Advisories: Eligibility for ENGL 101
This course provides a critical analysis of punishment, the various types of punishment, alternatives to punishment, and the impact of punishment on the Criminal Justice System. A Critical examination of the types of Correctional institutions and the clients housed in each institution. (Fall, Spring) (Letter Grade or Pass/No Pass)

AJ 149 Cooperative Work Experience

1.0 - 8.0 units

Acceptable for credit:
Limitations on Enrollment: To participate in Cooperative Work Experience: (1) students must be working at a job within their major, (2) students must be able to become involved in new or expanded responsibilities on the job, (3) the employer must be willing to cooperate with the college in the supervision and evaluation of the student and (4) the student must attend all coordination/consultation meetings in addition to other work and class responsibilities. NUMBER OF TIMES COURSE CAN BE REPEATED: Students enrolled in CWE 149 may earn up to 8 units of credit per semester not to exceed 16 units in total. Any units earned in any other Cooperative Work Experience course will be included in the 16 unit maximum. CWE Units Unpaid Placement: 1 unit 60 hours 2 units 120 hours 3 units 180 hours 4 units 240 hours 5 units 300 hours 6 units 360 hours 7 units 420 hours 8 units 480 hours CWE Units Paid Placement: 1 unit 75 hours 2 units 150 hours 3 units 225 hours 4 units 300 hours 5 units 375 hours 6 units 450 hours 7 units 525 hours 8 units 600 hours
Supervised employment extends classroom-based learning through an on-the-job related learning environment toward the student's career and educational goals. In addition, these work experiences improve the student's basic work skills and professional competencies by creating career awareness, improving work habits and fostering positive workplace attitudes. (Letter Grade or Pass/No Pass)

AJ 150 Introduction to Forensics

3.0 units

Acceptable for credit: Transfer CSU
C-ID Course Number: AJ 150
Advisories: ENGL 514 - Writing Skills 4 ; or eligibility for ENGL 101
This course provides an introduction to the role of forensics in criminal investigations. It examines the methods utilized in the forensic analysis of crime scenes, pattern evidence, instruments, firearms, questioned documents and controlled substances. (Fall, Spring) (Letter Grade or Pass/No Pass)

AJ 189 Independent Projects

1.0 - 3.0 units

Acceptable for credit: *Transfers to CSU, limited to UC/crd detrmd aftr trnsfr
Courses for students capable of independent work who demonstrate the need or desire for additional study beyond the regular curriculum. Enrollment allows students to pursue activities such as directed field experience, research, or development of skills and competencies under faculty advisement and supervision. Independent projects may be earned in most disciplines. Students wishing to enroll in Independent Projects should contact the appropriate instructor identified in the class schedule. If the project proposed is acceptable to that instructor, a contract will be developed. All contracts for these classes must be completed and submitted to the Records Office no later than the end of the second week of the semester. Students may enroll for any combination (unit value) of Independent Projects 189 and/or 389 for a total of four semesters in a specific discipline. Units are awarded depending upon satisfactory performance and the amount of time committed by the student to the course. Allowable units vary according to discipline, and are based on the following formula: 1 unit - 48 hours per semester 2 units - 96 hours per semester 3 units - 144 hours per semester (Letter Grade or Pass/No Pass)

Noncredit Administration Of Justice

AJN 7149 Work Experience Education
60.0 - 75.0 hours
Acceptable for credit: N - Noncredit
Repeatable: 4.00
Limitations on Enrollment: To participate in this course, (1) the student must be working at a job within their major; (2) the student must be able to become involved in new or expanded responsibilities on the job; (3) the employer must be willing to cooperate with Allan Hancock College in the supervision and evaluation of the student; and (4) the student must attend all coordination/consultation meetings in addition to other work and course responsibilities. Students enrolled in AJN 7149 may earn up to 120 (unpaid placement). These hours will count towards a maximum of 480 (unpaid).
Supervised employment extending career and technical education program-based learning in Administration of Justice to an on-the-job learning environment related to the student's career and educational goals. These work experiences improve the student's basic work skills and professional competencies by creating career awareness, improving work habits, and fostering positive workplace attitudes and behaviors. (Satisfactory Progress)

Anthropology

ANTH 101 Introduction to Biological Anthropology
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: ANTH 110
An introductory course on the study of human evolution that explores the history of evolutionary thought, the biological basis of life, genetics, population biology, modern human variation, paleontology, primatology and hominid evolution. Important scientific and social issues that relate to biological anthropology will also be presented. Students are encouraged to concurrently enroll in Anthropology 110. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

ANTH 102 Introduction to Cultural Anthropology
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: ANTH 120
An introductory course on contemporary human sociocultural adaptations from around the world. This course is a cross-cultural survey of important avenues of anthropological research and attempts to understand and explain the similarities and differences in human behavior, social institutions, and total ways of life. By studying all human societies, anthropologists attempt to understand the variability of culture to gain a holistic view of the human condition. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

ANTH 103 Introduction to Archaeology
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: ANTH 150
An introduction to the study of archaeological concepts, methods, and theory as well as human prehistory. The course will cover many of the fundamental principles of archaeological research and provide an overview of human prehistory from the earliest evidence of culture up to the development of literate civilizations. We will also explore the types of questions archaeologists ask about the human past and the scientific methods used to address these questions. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

ANTH 105 Language And Culture
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: ANTH 130
An introduction to the study of language and communication in relation to culture. Focus is on the structure, function, and history of language as well as the social, symbolic and practical uses of language. Linguistic concepts, methodologies, and theoretical assumptions will be explored. This course is not open to students who are enrolled in or have received credit for ENGL 105. (Fall, Spring) (Letter Grade or Pass/No Pass)

ANTH 107 Indigenous People of California
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: N/A
A survey of California's Indigenous cultures from the earliest archaeological evidence to the present. Topics explored include political and social organizations, subsistence practices, worldviews, expressive culture, technology and the historic impact on these peoples by European and American cultures. This course is not open to students who are enrolled in or have received credit for ES 107. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

ANTH 110 Biological Anthropology Lab
1.0 unit
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: ANTH 115L
Corequisite: ANTH 101 - Introduction to Biological Anthropology or completion of ANTH 101
A hands-on laboratory class designed to complement the Anthropology 101 lecture class. This lab class explores the biological basis of human life from an evolutionary perspective through the study of genetics, human variation, human osteology, non-human primates, and hominin fossil remains. (Fall, Spring) (Letter Grade or Pass/No Pass)

ANTH 122 States of Consciousness
3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
An exploration of different states of consciousness, the means of attaining those states, their uses, misuses, and consequences. Topics include theories of consciousness, neural correlates of conscious experience, substance use disorders, sleep, dreams, hypnosis, dissociation and dissociative disorders, out-of-body states, near-death experiences, paranormal phenomena, meditation, non-Western methods of altering consciousness, and peak experiences. This course is not open to students who are

enrolled in or who have received credit for PSY 122 or HUSV 122. (Fall, Spring) (Letter Grade or Pass/No Pass)

Apprenticeship Training

The primary objective of the apprenticeship program is to train workers in skilled occupations to meet the needs of the industry. Classes are taught offsite and certificates are given by the individual trades.

The program is open to all individuals 18 years of age or older without regard to race, color, religion, national origin or sex.

Applications or information concerning applications may be obtained from the industrial technology department.

The training received by an apprentice is in the classroom and at the worksite. Therefore, enrollment in all courses listed under apprenticeship training is limited to state registered apprentices and qualified applicants.

Contact Information

Gilbert Rea, Electricians Apprenticeship
Phone: 805-686-0903
sbjatc@ibew413.org
International Brotherhood of Electrical Workers

Michael Lopez, Plumber (Pipe Trades) Apprenticeship
Phone: 805-688-1470
ualocal114@gmail.com
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Richard Beesmer, Operating Engineers Apprenticeship
Phone: 562.695.0611
rich@oett.net
www.oett.net

APRN 481 Electricity
3.0 units
Acceptable for credit: C - Credit - Not Degree Applicable
Limitations on Enrollment: Limited to state registered apprentice's selected by the Santa Barbara County Electrical JATC.
Prerequisite: Applicants must meet minimum qualifications and pass an aptitude test in order to interview with the JATC. The applicant is placed on an ongoing ranked eligibility list based on the interview score. Apprenticeships are offered, in order, from the top of the list based on the industry need in Santa Barbara County.
The apprenticeship program provides classroom theory directly related to the skills performed at the work site, including tools and equipment, electrical principles and applications to basic AC-DC circuitry, motors, generators, alternative energy, controls, transformers, electrical codes and ordinances, related mathematics, blueprints, and safety practices. (Letter Grade Only)

APRN 484 Plumbers (Pipe Fitters)
3.0 units
Acceptable for credit: C - Credit - Not Degree Applicable
Limitations on Enrollment: Limited to indentured apprentices or those awaiting indenture.
Prerequisite: Enrollment is through the Plumbers (Pipe Fitter) Apprenticeship and Training Facility in Buellton, CA. Applicants can apply throughout the year. They are selected once a year for Fall and enrollment is based on state employment in the plumbing and pipe trade industry.
The apprenticeship program provides classroom theory directly related to skills performed at the work site, including tools and equipment, materials, fixtures, layout, installation practices, blueprint reading, related mathematics, laws and regulations, safety practices, and employer-employee relations. (Letter Grade Only)

APRN 486 Operating Engineers
3.0 units
Acceptable for credit: C - Credit - Not Degree Applicable
Limitations on Enrollment: Limited to Indentured apprentices or those awaiting indenture.
Prerequisite: Enrollment is through the Operating Engineers Training Facility (Camp San Luis Reserve Base, San Luis Obispo, CA). Applicants can apply throughout the year. They are selected once a year for Fall and enrollment is based on state employment in the union electrical industry.
The apprenticeship program provides classroom theory directly related to the skills performed at the work-site, including the repair and operation of heavy-duty equipment, related mathematics and science, particularly as they pertain to the electrical and hydraulic systems and first aid and safety practices. The total program is designed for specialization in heavy-duty mechanics. (Letter Grade Only)

Architecture

ARCH 100 Computer Aided Drafting and Design
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: N/A
An introduction to computer-aided drafting and design (CADD) which covers operation of a computer graphics terminal (specifically AutoCAD) to create, modify, delete, transfer, and plot graphic files used to produce complete engineering drawings. This course is not open to students who are enrolled in or have received credit for ET 100. (Fall, Spring) (Letter Grade or Pass/No Pass)

ARCH 101 Principles of Environmental Design
3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: n/a
This course offers an introduction to the complex interplay between individuals, society, and the designed and built environment, with a focus on its implications for natural resource consumption, identity, behavior, community development, and human health, safety, and general well-being. The course also explores the role of design from various perspectives, including those of architects, engineers, governing bodies, and individual users. Focus on sustainability and social equity, promoting active participation in community planning and design from a social and environmental standpoint. (Letter Grade or Pass/No Pass)

ARCH 107 Sustainable Design Methods and Technology

3.0 units

Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Exploration of sustainable strategies to achieve thermal comfort and to reduce the energy consumed to heat, cool, and light buildings. Schematic design integration of program, envelope, structure, form, and space will be explored in connection with climate, site, and technology utilizing small-scale, envelope-load dominated buildings. (Spring) (Letter Grade or Pass/No Pass)

ARCH 111 Architectural Graphics and Design I

3.0 units

Acceptable for credit: Transfer to UC, CSU
Introduces the graphic tools, techniques, and conventions used to communicate architectural ideas. Tools, techniques, and conventions include freehand drawing, architectural drawing systems, paraline drawing, multi view drawing, perspective drawing, rendering of tonal values, model making, and architectural presentations. Covers the fundamental principles and application of two- and three-dimensional architectural design. (Fall) (Letter Grade or Pass/No Pass)

ARCH 112 Architectural Graphics and Design II

3.0 units

Acceptable for credit: Transfer to UC, CSU
Prerequisite: ARCH 111 - Architectural Graphics and Design I
Continuation of ARCH 111 plus the issues, concepts, processes and skills pertaining to research methods, building form analysis, color theory, and the design and visual communication of architectural space. Projects of increasing complexity are assigned and developed using various presentation techniques and media. (Spring) (Letter Grade or Pass/No Pass)

ARCH 121 Architectural Practice 1

4.0 units

Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
A continuation of construction materials and methods with an emphasis on the selection of appropriate structural systems and the application of relevant codes and regulations including life-safety and accessibility standards. Covered also is the production of technically clear drawings utilizing Building Information Modeling (BIM) software; Revit Architecture, and drafting software;AutoCAD. (Letter Grade or Pass/No Pass)

ARCH 122 Architectural Drawing 2

4.0 units

Acceptable for credit: Transfer CSU
The second course in a two-semester sequence that prepares the student to enter the construction field as a drafter. Emphasizes the planning and development of a set of residential plans that may be submitted for plan check approval. The second semester covers structural details, energy, and mechanical requirements, and a study of fire resistive materials and finishes. (Fall) (Letter Grade or Pass/No Pass)

ARCH 131 Building Construction Materials and Methods

3.0 units

Acceptable for credit: Transfer CSU
Advisories: ARCH 121 - Architectural Practice 1 or concurrent enrollment.
An introduction to building construction materials and systems plus the basic principles utilized in the appropriate selection of materials, products, components, and assemblies, based on their inherent characteristics and performance, including their environmental impact and reuse. (Letter Grade or Pass/No Pass)

ARCH 151 Architectural Design Studio I

5.0 units

Acceptable for credit: Transfer CSU
Advisories: ARCH 112 - Architectural Graphics and Design II
Prerequisite: ARCH 111 - Architectural Graphics and Design I
A continued and refined study of design principles and processes plus the exploration of integrated solutions responding to site, context, function, materials, and daylighting. (Fall) (Letter Grade or Pass/No Pass)

ARCH 152 Architectural Design Studio II

5.0 units

Acceptable for credit: Transfer CSU
Prerequisite: ARCH 151 - Architectural Design Studio I
A continuation of the study of design principles and processes. Projects of an advanced level are assigned in which students have the opportunity to design complex, multi-use, multi-story buildings. Case studies are performed of specific building types before the design process begins. (Letter Grade or Pass/No Pass)

ARCH 160 Digital Tools In Architecture

3.0 units

Acceptable for credit: Transfer CSU
Advisories: ARCH 111 - Architectural Graphics and Design I
Introduces computer design and presentation skills for architecture students. Topics include image editing, page layout and 3D modeling. This course is not open to students who are enrolled in or have received credit for ET 160. (Fall, Spring) (Letter Grade or Pass/No Pass)

ARCH 321 California Building Code

3.0 units

Acceptable for credit: D - Credit - Degree Applicable
Introduces the student to the purpose and use of the California Building Code (CBC), and prepares the student to make design and job site judgments based on the Code. (Fall) (Letter Grade or Pass/No Pass)

ARCH 370 SkillsUSA

3.0 units

Acceptable for credit: D - Credit - Degree Applicable
Repeatable: 3.00
SkillsUSA is a partnership of students, teachers and industry working together to ensure America has a skilled workforce. This SkillsUSA course prepares students for employment and inter-collegiate competition in Career Technical Education. Students will learn to plan projects, work in teams, solicit community support and

develop a range of skills valued by employers. Students registered for this class may not register for AB 370, AT 370, EL 370, ET 370, MT 370 or WLDT 370 during the same semester. Participation in the SkillsUSA competition is required. This course may be repeated up to three times for credit with different competitions. (Fall, Spring) (Letter Grade or Pass/No Pass)

Art

ART 101 Art Appreciation
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: ARTH 100
Advisories: READ 110 - Introduction to Critical Reading ; or ENGL 101 - Freshman Composition: Exposition
A study of the visual arts as an expression of thought and culture. (Fall, Spring) (Letter Grade or Pass/No Pass)

ART 103 Art History Ancient to Medieval
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: ARTH 110
Advisories: READ 110 - Introduction to Critical Reading ; or ENGL 101 - Freshman Composition: Exposition
A survey of painting, sculpture, and architecture in the western world from the Paleolithic through the Gothic period. (Fall) (Letter Grade or Pass/No Pass)

ART 104 Art History Renaissance to Modern
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: ARTH 120
Advisories: READ 110 - Introduction to Critical Reading ; or ENGL 101 - Freshman Composition: Exposition
A survey of painting, sculpture, and architecture in the western world from Renaissance to modern times. (Spring) (Letter Grade or Pass/No Pass)

ART 105 Art History of Mexico
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: N/A
Advisories: READ 110 - Introduction to Critical Reading ; or ENGL 101 - Freshman Composition: Exposition
A survey of the art of Mesoamerica, tracing the cultural development of the Valley of Mexico and the Yucatan Peninsula from the earliest archaeological findings to the present time. (Spring) (Letter Grade or Pass/No Pass)

ART 106 Art of the 20th Century
3.0 units
Acceptable for credit: Transfer to UC, CSU
Advisories: ART 103 - Art History Ancient to Medieval ; and ART 104 - Art History Renaissance to Modern ; READ 110 - Introduction to Critical Reading ; or ENGL 101 - Freshman Composition: Exposition
A survey of art of the 20th century including its roots in the 19th century. Topics include the investigation of appropriation from a global perspective, alternative art markets, and the impact of multiculturalism on content, subject matter, and the studio process. A variety of media are covered such as architecture, painting, sculpture, film, photography, and the digital arts. (Fall) (Letter Grade or Pass/No Pass)

ART 107 Introduction to Digital Art
3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: Arts 250
An introduction to the fundamental concepts, practices and theories of digital art production. Topics include integration of traditional design, color, and compositional principles with contemporary digital tools. (Fall) (Letter Grade or Pass/No Pass)

ART 108 Design 1 on the Computer
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: n/a
This course is an introduction to the concepts, applications, and historical references related to two-dimensional art and composition, including the study of basic design principles and elements. Students will develop a visual vocabulary for creative expression through lectures, studio projects, problem-solving, and writing assignments. This course covers the same content as Art 110, but projects are executed digitally using the computer. This course is not open to students who are enrolled in or have received credit for GRPH 108. (Fall, Spring) (Letter Grade or Pass/No Pass)

ART 109 Art History: American Art
3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
A comprehensive survey of the rich cultural diversity of American art from Colonial times to the present. Major artists and styles will be studied in the context of American culture. (Fall, Spring) (Letter Grade or Pass/No Pass)

ART 110 Design 1
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: ARTS 100
An introduction to the visual elements and principles of design. This is a lecture/lab experience requiring specific materials. (Fall, Spring) (Letter Grade or Pass/No Pass)

ART 112 Design Color Theory
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: ARTS 270
Advisories: ART 110 - Design 1 ; or GRPH 108 - Design 1 on the Computer ; or ART 108 - Design 1 on the Computer
A study of color, what it is, how we see it and strategies for its application in the visual arts. Major historical and contemporary color theory principles will be applied through design strategies. (Fall) (Letter Grade or Pass/No Pass)

ART 113 Three Dimensional Design
3.0 units
Acceptable for credit: Transfer to UC, CSU

C-ID Course Number: ARTS 101
Prerequisite: ART 110 - Design 1
Introduction to the concepts, applications, and historical references related to three-dimensional design and spatial composition, including the study of the elements and organizing principles of design as they apply to three-dimensional space and form. Development of a visual vocabulary for creative expression through lecture presentations and use of appropriate materials for non-representational three-dimensional studio projects. Students will investigate a series of spatial design problems as they might apply to professional fields, including architecture, interior design, display, and sculpture. (Spring) (Letter Grade or Pass/No Pass)

ART 115 Introduction to Animation
3.0 units
Acceptable for credit: Transfer to UC, CSU
An introduction to animation production including classical character animation and other techniques. This course is not open to students who are enrolled in or have received credit for MMAC 115 or FILM 115. (Fall, Spring) (Letter Grade or Pass/No Pass)

ART 120 Drawing 1
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: ARTS 110
An introduction to the elements, principles, materials and techniques of drawing. Emphasis is placed on the practical skills of observation and their expansion, along with drawing as a form of visual communication. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

ART 121 Drawing 2
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: ARTS 205
Prerequisite: ART 120 - Drawing 1
Students in Art 121 will build on the fundamental technical drawing skills of Art 120 : Drawing 1, to develop more personalized approaches to drawing materials, strategies and subject matter. In addition to traditional drawing media, color media and techniques will be introduced and explored. Students will develop and visually communicate ideas using a variety of materials, formats, techniques and methodologies, through still life, figurative, landscape, narrative, abstract, expressive and imagined subjects. Projects will cover multiple historical and contemporary approaches to drawing. Creative expression, individual growth, development of personal style and content are emphasized. (Spring) (Letter Grade or Pass/No Pass)

ART 122 Life Drawing 1
3.0 units
Acceptable for credit: Transfer to UC, CSU
Prerequisite: ART 120 - Drawing 1
This course serves as an introduction to drawing the human figure from observation. Studio assignments investigate the human body, its mass, and its movements through the modeling of form, planar analysis, cross-contour, and gesture drawing techniques. Human anatomy and proportional accuracy are emphasized, while expressive and interpretive approaches are explored by means of compositional design, a variety of drawing media, and surveying historical and contemporary roles of figure drawing in the visual arts. (Fall, Spring) (Letter Grade or Pass/No Pass)

ART 123 Life Drawing 2
3.0 units
Acceptable for credit: Transfer to UC, CSU
Prerequisite: ART 122 - Life Drawing 1
This course is a continued study in drawing the human form through direct observation. Students will further refine technical life drawing skills, as well as explore more detailed investigations into human anatomy, the human figure in space, and the human figure in motion. Students will expand their approaches, techniques and media to create a portfolio of figurative drawingsthat demonstrates increased technical skills, as well as explorations of color, style and content. (Fall, Spring) (Letter Grade or Pass/No Pass)

ART 124 Mixed Media 1
3.0 units
Acceptable for credit: Transfer to UC, CSU
Advisories: ART 110 - Design 1 ; ART 151 - Painting 1
An exploration of a variety of traditional and distinctly unique 2-dimensional art media as they relate to drawing and painting mediums. (Fall) (Letter Grade or Pass/No Pass)

ART 133 Composition Studies: Figure 1
0.5 units
Acceptable for credit: Transfer to UC, CSU
Advisories: ART 120 - Drawing 1 ; and ART 122 - Life Drawing 1
A beginning exploration of color, composition and style in artworks of the human figure. Students may choose to work in charcoal, pastels, acrylics, oils, watercolor, mixed media, or other appropriate media. (Fall, Spring) (Letter Grade or Pass/No Pass)

ART 134 Composition Studies: Figure 2
0.5 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: N/A
Prerequisite: ART 133 - Composition Studies: Figure 1
An intermediate exploration of color, composition and style in artworks of the human figure. Students may choose to work in charcoal, pastels, acrylics, oils, watercolor, mixed media, or other appropriate media. (Fall, Spring) (Letter Grade or Pass/No Pass)

ART 137 Life Drawing 3
3.0 units
Acceptable for credit: Transfer CSU
Prerequisite: ART 123 - Life Drawing 2
This course is an advanced study in drawing the human form through direct observation. Technical and expressive drawing skills and approaches learned in Life Drawing 1 and 2 will be further developed and refined toward the development of a cohesive body of work. Life Drawing 3 students will produce a portfolio of advanced skill level drawings showing the development of personal style and content using the human figure as a subject. (Fall, Spring) (Letter Grade or Pass/No Pass)

ART 144 Mixed Media 2
3.0 units

Acceptable for credit: Transfer CSU
C-ID Course Number: none
Prerequisite: ART 124 - Mixed Media 1
An intermediate advanced level of mixed media focused on 2 and 3 dimensional art materials as they relate to composition and personal style. (Fall) (Letter Grade or Pass/No Pass)

ART 151 Painting 1
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: ARTS 210
Advisories: ART 110 - Design 1 ; ART 120 - Drawing 1
An introduction to the principles, elements, and practices of painting, including the exploration of painting materials, basic techniques, paint mixing, and approaches to color and composition. (Fall, Spring) (Letter Grade or Pass/No Pass)

ART 152 Painting 2
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: N/A
Prerequisite: ART 151 - Painting 1
An intermediate course in painting emphasizing further development of skills and exploration of styles. (Fall, Spring) (Letter Grade or Pass/No Pass)

ART 153 Painting 3
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: N/A
Prerequisite: ART 152 - Painting 2
An advanced course in painting emphasizing the continued growth of technical skills and the development of a personal style. (Fall, Spring) (Letter Grade or Pass/No Pass)

ART 154 Composition Studies: Figure 3
0.5 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: N/A
Prerequisite: ART 134 - Composition Studies: Figure 2
An advanced exploration of color, composition and style in artworks of the human figure. Students may choose to work in charcoal, pastels, acrylics, oils, watercolor, mixed media, or other appropriate media. (Fall, Spring) (Letter Grade or Pass/No Pass)

ART 160 Ceramics 1
3.0 units
Acceptable for credit: Transfer to UC, CSU
Introduction to ceramics materials, concepts, and processes including basic design principles, creative development, various forming methods, glaze techniques, firing and ceramics terminology. The course covers aesthetics and creative development of clay objects examining historical, contemporary, and personal modes of expression across cultures. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

ART 161 Ceramics 2
3.0 units
Acceptable for credit: Transfer to UC, CSU
Advisories: ART 160 - Ceramics 1
A continuation of Ceramics 1 materials, concepts and processes, including basic design principles, creative development, various forming methods, glaze techniques, firing and ceramics terminology. This course will explore low-fire clay and glaze processes, using the potter's wheel, extruder, making and using molds, graphic design with low-fire colored glazes. Student will further their own aesthetic and creative development of clay objects by examining historical, contemporary, and personal modes of expression across cultures. Because this is a lecture/lab course, students are expected to work 4 hours/week outside of class time. (Fall, Spring) (Letter Grade or Pass/No Pass)

ART 162 Ceramics 3
3.0 units
Acceptable for credit: Transfer to UC, CSU
Advisories: ART 161 - Ceramics 2
An introduction to low fire ceramic materials and techniques, including research into ceramic materials and experimental use of high fire glazes. Because this is a lecture/lab course, students are expected to work 4 hours/week outside of class time. (Fall, Spring) (Letter Grade or Pass/No Pass)

ART 163 Ceramics Workshop
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: N/A
Advisories: ART 162 - Ceramics 3
A continuation of ART 162 with individualized assignments. Because this is a lecture/lab course, students are expected to work 4 hours/week outside of class time. (Fall, Spring) (Letter Grade or Pass/No Pass)

ART 164 Sculpture 1
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: N/A
Introduction to three-dimensional sculptural principles, techniques, and concepts utilizing a wide range of materials and practices. Various sculpture methods are practiced with attention to creative self-expression and historical context. (Fall) (Letter Grade or Pass/No Pass)

ART 165 Sculpture 2
3.0 units
Acceptable for credit: Transfer to UC, CSU
Advisories: ART 164 - Sculpture 1
This is a lecture/lab course involving 2 hours of lecture and 4 hours of lab each week. It is an expanded exploration in sculpture techniques and materials. (Fall) (Letter Grade or Pass/No Pass)

ART 170 Survey of Asian Art
3.0 units
Acceptable for credit: Transfer to UC, CSU
This course provides a select overview of art from India, Southeast Asia, China, Korea, and Japan from pre-history to modern times. Includes examination and analysis of ceramics, calligraphy/painting, printmaking, architecture and sculpture with reference

to cross-cultural influences, religion, and philosophy in those countries. (Fall, Spring) (Letter Grade or Pass/No Pass)

ART 189 Independent Projects
1.0 - 3.0 units
Acceptable for credit: Transfer CSU
Courses for students capable of independent work who demonstrate the need or desire for additional study beyond the regular curriculum. Enrollment allows students to pursue activities such as directed field experience, research, or development of skills and competencies under faculty advisement and supervision. Independent projects may be earned in most disciplines. Students wishing to enroll in Independent Projects should contact the appropriate instructor identified in the class schedule. If the project proposed is acceptable to that instructor, a contract will be developed. All contracts for these classes must be completed and submitted to the Records Office no later than the end of the second week of the semester. Students may enroll for any combination (unit value) of Independent Projects 189 and/or 389 for a total of four semesters in a specific discipline. Units are awarded depending upon satisfactory performance and the amount of time committed by the student to the course. Allowable units vary according to discipline, and are based on the following formula: 1 unit - 48 hours per semester 2 units - 96 hours per semester 3 units - 144 hours per semester (Letter Grade or Pass/No Pass)

ART 199 Topics in Art
0.5 - 3.0 units
Acceptable for credit: Transfer CSU
Provides an opportunity to explore particular aspects of the discipline which are not covered in detail in the existing program. See the current schedule of classes for topics being offered. Offerings identified as 199 are not offered on a regular cycle (not within a two year period). (Letter Grade or Pass/No Pass)

ART 366 Working the Potter's Wheel
2.0 units
Acceptable for credit: D - Credit - Degree Applicable
A lecture/lab course introducing students to using the potter's wheel as a tool for shaping clay. This course provides all necessary information for students new to the use of the potter's wheel. Students will need to purchase clay and tools for their own use. (Fall, Spring) (Letter Grade or Pass/No Pass)

ART 367 Advanced Potter's Wheel
2.0 units
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: N/A
Advisories: ART 366 - Working the Potter's Wheel
A lecture/lab course which expands upon the skills of Art 366, Working the Potter's Wheel. This course explores the vast array of contemporary ceramic practices based primarily on the use of the potter's wheel, while also further developing students' skills at forming clay on the wheel. Students will need to purchase clay and tools for their own use. (Fall, Spring) (Letter Grade or Pass/No Pass)

ART 368 Modifying Forms from the Wheel
2.0 units
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: N/A
Advisories: ART 367 - Advanced Potter's Wheel
A lecture/lab course which expands upon the skills of Art 367, Advanced Potter's Wheel. This course focuses on the development of personal expression through use of the potter's wheel. Students will need to purchase clay and tools for their own use. (Fall, Spring) (Letter Grade or Pass/No Pass)

ART 399 Special Topics in Art
1.0 - 4.0 units
Acceptable for credit: D - Credit - Degree Applicable
Prerequisite: Prerequisites, co-requisites or advisories will be included for each course developed under this curriculum shell, as is appropriate for the discipline described in the course title.
Provides an opportunity to explore particular aspects of the discipline which are not covered in detail in the existing program. See the current schedule of classes for topics being offered. Offerings identified as 399 are not offered on a regular cycle (not within a two-year period). (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

American Sign Language

ASL 120 American Sign Language 1
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: N/A
An introductory course in American Sign Language (ASL) which presents basic sign vocabulary and grammar, the manual alphabet and topics related to signing and deafness. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

ASL 121 American Sign Language 2
3.0 units
Acceptable for credit: Transfer to UC, CSU
Prerequisite: ASL 120 - American Sign Language 1
A continuation of American Sign Language (ASL) 120, emphasizing receptive and expressive skills, aspects of ASL grammar, vocabulary, literature, subcultures within the deaf community and the various education regimes for deaf children in the United States. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

ASL 124 American Sign Language 3
3.0 units
Acceptable for credit: Transfer to UC, CSU
Prerequisite: ASL 121 - American Sign Language 2
Continuing development of skills learned in American Sign Language (ASL) 121 emphasizing ASL grammar, vocabulary and idiomatic constructions. Provides an opportunity for further development of conversational techniques, focusing on expressive and receptive skills. Deaf cultural issues, non-manual markers, advanced classifiers, and numbering systems will be explored. (Letter Grade or Pass/No Pass)

ASL 126 American Sign Language 4
3.0 units
Acceptable for credit: Transfer to UC, CSU

Prerequisite: ASL 124 - American Sign Language 3
This advanced course expands functions and syntax from ASL 124 and focuses on developing students' communicative competency in American Sign Language. Higher level vocabulary and grammatical patterns, including classifiers and the use of spatial location, are explored with a focus on productive skills. Deaf culture, behavior, and norms are also studied as they relate to advanced signing skills. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

ASL 130 Conversational American Sign Language
3.0 units
Acceptable for credit: Transfer CSU
Prerequisite: ASL 120 - American Sign Language 1
Designed to improve conversational skills in American Sign Language by increasing vocabularies and perfecting grammatical structures. Emphasis is on improving expressive and receptive skills. (Spring) (Letter Grade or Pass/No Pass)

ASL 138 Deaf History
3.0 units
Acceptable for credit: Transfer to UC, CSU
Advisories: ENGL 514 - Writing Skills 4 and/or; Eligibility for ENGL 101.
A culturally diverse exploration of the deaf from Aristotle to the present. Focus is on the ideas, events and laws that have shaped the community as viewed through literature, folklore, art, and philosophy. Interrelationship of societies is emphasized. This course is not open to students who are enrolled in or have received credit for History 138. (Spring) (Letter Grade or Pass/No Pass)

ASL 189 Independent Projects
1.0 - 3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Courses for students capable of independent work who demonstrate the need or desire for additional study beyond the regular curriculum. Enrollment allows students to pursue activities such as directed field experience, research, or development of skills and competencies under faculty advisement and supervision. Independent projects may be earned in most disciplines. Students wishing to enroll in Independent Projects should contact the appropriate instructor identified in the class schedule. If the project proposed is acceptable to that instructor, a contract will be developed. All contracts for these classes must be completed and submitted to the Records Office no later than the end of the second week of the semester. Students may enroll for any combination (unit value) of Independent Projects 189 and/or 389 for a total of four semesters in a specific discipline. Units are awarded depending upon satisfactory performance and the amount of time committed by the student to the course. Allowable units vary according to discipline, and are based on the following formula: 1 unit - 48 hours per semester 2 units - 96 hours per semester 3 units - 144 hours per semester (Letter Grade or Pass/No Pass)

Astronomy

ASTR 100 Elementary Astronomy
3.0 units
Acceptable for credit: Transfer to UC, CSU
A survey course introducing the general principles and fundamental facts of astronomy. Online homework may be required. (Fall, Spring) (Letter Grade or Pass/No Pass)

ASTR 121 Elementary Astronomy Laboratory
1.0 unit
Acceptable for credit: Transfer to UC, CSU
Corequisite: ASTR 100 - Elementary Astronomy or completion of ASTR 100
A laboratory course emphasizing practice and interpretation of astronomical observations for students that are concurrently taking the ASTR 100 lecture course or those that have previously passed it with a grade of "C" or higher. When weather permits, students will observe objects in the sky with and without instruments such as telescopes. In-class simulations will be substituted when direct observation is not possible. The moon, stars, constellations, planets and other solar system bodies, and various deep-sky objects will be studied as well as the methods used to catalog, chart, and find them. (Fall, Spring) (Letter Grade or Pass/No Pass)

Automotive Technology

AT 100 Automotive Fundamentals
4.0 units
Acceptable for credit: Transfer CSU
Designed to teach the student complete car care, emphasizing the operating principles and service operations on all types of automobiles and light trucks.Includes investigation of the impacts that the automobile has on modern life, the economy and the environment. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

AT 117 Print Reading and Interpretation
3.0 units
Acceptable for credit: Transfer CSU
An introductory class where students will learn to read engineering drawings, evaluate print specifications, recognize orthographic views and visualize the actual objects or projects shown in the illustration. This course is not open to students who are enrolled in or have received credit for AB 330, AT 330, ET 330, MT 330, or AB/ET/MT 117. (Letter Grade or Pass/No Pass)

AT 133 Automotive Engine Rebuilding
5.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Limitations on Enrollment: Must take and pass the Lab Safety Test
Prerequisite: AT 100 - Automotive Fundamentals
The intent of this course is to introduce the student to the diagnosis and repair of automotive engines. Laboratory experiences will include engine evaluation, removal, disassembly, precision measurement, inspection and evaluation of engine components, cylinder head reconditioning, engine reassembly and installation. (Spring) (Letter Grade Only)

AT 300 Shop Math and Measurement
3.0 units

Acceptable for credit: D - Credit - Degree Applicable
An introduction to the mathematics used in the Industrial Technology programs. Students will learn to solve problems using fractions, decimals, percentage, ratios and basic geometric shapes. Students will learn about the Cartesian coordinate system and how to use a variety of basic and precision measuring tools from rulers and tape measures to calipers and micrometers. This course is not open to students who are enrolled in, or have received credit for AT 381, AB 381, ET 381, MT 381, WLDT 381, or AB/ET/MT/WLDT 300. (Fall, Spring) (Letter Grade or Pass/No Pass)

AT 303 Automotive Electricity
5.0 units
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: N/A
Limitations on Enrollment: Must take and pass the Lab Safety Test
Prerequisite: AT 100 - Automotive Fundamentals
Designed to give the student a strong background in basic automotive electricity and electronic concepts. Includes discussion and hands on practice with basic theories, operation, diagnosis, and service of the electrical, electronic, and computer control systems with an emphasis on preparing the student for professional certification testing. (Fall, Spring, Summer) (Letter Grade Only)

AT 306 Auto Air Conditioning Systems
4.0 units
Acceptable for credit: D - Credit - Degree Applicable
Advisories: AT 303 - Automotive Electricity
Prerequisite: AT 100 - Automotive Fundamentals
In this course students study the theory, operation, diagnosis, and repair of automotive heating, air conditioning and engine cooling systems. (Fall, Spring) (Letter Grade Only)

AT 313 Automotive Brakes
4.0 units
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: N/A
Prerequisite: AT 100 - Automotive Fundamentals
A comprehensive examination of automotive and light truck brakes. Emphasis on repair and troubleshooting of domestic and import systems, drum and disc mechanical systems, power brake systems, anti-skid systems, and computerized brake systems. (Fall) (Letter Grade or Pass/No Pass)

AT 314 Suspension and Alignment
4.0 units
Acceptable for credit: D - Credit - Degree Applicable
Prerequisite: AT 100 - Automotive Fundamentals
Designed to familiarize the student with the theory of suspension design, and the repair and alignment of automotive suspensions including long and short arm suspension, McPherson Struts, Solid Axle, and Twin I Beam types. (Spring) (Letter Grade or Pass/No Pass)

AT 323 Power Trains
5.0 units
Acceptable for credit: D - Credit - Degree Applicable
An introduction and comprehensive examination of automotive drive lines and differentials; manual transmissions; manual transaxles; automatic transmission fundamentals; flywheel and clutch and 4-wheel drive. Extreme emphasis is placed on principles of operation, troubleshooting and intensive repair. (Fall) (Letter Grade or Pass/No Pass)

AT 324 Automatic Transmissions
5.0 units
Acceptable for credit: D - Credit - Degree Applicable
Advisories: AT 303 - Automotive Electricity
Prerequisite: AT 100 - Automotive Fundamentals
Theory and operation, diagnosis, service and repair of automotive automatic transmissions and transaxles. (Spring) (Letter Grade or Pass/No Pass)

AT 334 Automotive Machining 1
4.0 units
Acceptable for credit: D - Credit - Degree Applicable
Limitations on Enrollment: Must take and pass the Lab Safety Test.
Prerequisite: AT 133 - Automotive Engine Rebuilding
An intensified course in automotive machining, the course will emphasize student proficiency in machine operation. Designed to make the student proficient in all phases of automotive and industrial engine rebuilding, including crankshaft grinding, boring, honing, line boring, block and head resurfacing, crack repair, head reconditioning, precision measuring, balancing, and engine assembly. (Spring) (Letter Grade Only)

AT 336 Automotive Machining 2
4.0 units
Acceptable for credit: D - Credit - Degree Applicable
Limitations on Enrollment: Must take and pass the lab safety test.
Prerequisite: AT 334 - Automotive Machining 1
An advanced course focused on precision and performance engine preparation. Topics to be covered include engine components selection, machining and measurement for maximum engine efficiency and output. (Fall, Spring) (Letter Grade or Pass/No Pass)

AT 341 Fuel Injection/Turbocharging
5.0 units
Acceptable for credit: D - Credit - Degree Applicable
Advisories: AT 303 - Automotive Electricity ; or concurrent enrollment in AT 303; or high school automotive electrical study
This course provides theory and application of automotive fuel supply and fuel injection systems. The course includes basic engine, fuel supply, fuel injection, turbocharging, and computerized engine controls diagnosis and repair. (Fall, Spring) (Letter Grade or Pass/No Pass)

AT 343 Engine Performance/Diagnosis
5.0 units
Acceptable for credit: D - Credit - Degree Applicable
Advisories: AT 341 - Fuel Injection/Turbocharging ; or prior basic engine performance and fuel system training
This course is designed to give students a basic knowledge of engine diagnostic tools, and a working ability to diagnose engine performance problems. The course includes fuel, ignition,

computerized engine controls, and emission controls related systems. (Fall, Spring) (Letter Grade or Pass/No Pass)

AT 344 Emission Control/BAR CAC
5.0 units
Acceptable for credit: D - Credit - Degree Applicable
Advisories: AT 341 - Fuel Injection/Turbocharging ; and AT 343 - Engine Performance/Diagnosis
This course provides theory and diagnosis of automotive emission control systems. The course includes the BAR (Bureau of Automotive Repair) CAC (Clean Air Car) course preparation and certification. (Spring) (Letter Grade or Pass/No Pass)

AT 354 Selected Projects in Automotive Machining
1.0 unit
Acceptable for credit: D - Credit - Degree Applicable
Advisories: AT 336 - Automotive Machining 2 ; ENGL 514 - Writing Skills 4
Limitations on Enrollment: Must take and pass the Lab Safety Test
A project based course with an emphasis on the practice and improvement of automotive machining skills. The approved student project is performed under the direct supervision of the responsible Automotive Technology faculty member. (Letter Grade or Pass/No Pass)

AT 370 SkillsUSA
3.0 units
Acceptable for credit: D - Credit - Degree Applicable
Repeatable: 3.00
SkillsUSA is a partnership of students, teachers and industry working together to ensure America has a skilled workforce. This SkillsUSA course prepares students for employment and inter-collegiate competition in Career Technical Education. Students will learn to plan projects, work in teams, solicit community support and develop a range of skills valued by employers. Students registered for this class may not register for AB 370, ARCH 370, EL 370, ET 370, MT 370 or WLDT 370 during the same semester. Participation in the SkillsUSA competition is required. This course may be repeated up to three times for credit with different competitions. (Fall, Spring) (Letter Grade or Pass/No Pass)

AT 389 Independent Projects in Automotive Technology
1.0 - 3.0 units
Acceptable for credit: D - Credit - Degree Applicable
AT 389 Independent Projects is for students capable of independent work who demonstrate the need or desire for additional study beyond the regular curriculum. Enrollment allows students to pursue activities such as directed field experience, search or development of skills and competencies under faculty advisement and supervision. Students wishing to enroll in AT 389 Independent Projects should contact the appropriate instructor identified in the class schedule. If the project proposed is acceptable to that instructor, a contract will be issued no later than the end of the second week of the semester. Units are awarded depending upon satisfying performance and the amount of time committed by the students to the course. Allowable units vary according to discipline, and are based on the following formula: 1 unit-48 hours per semester 2 units-96 hours per semester 3 units-144 hours per semester (Letter Grade Only)

AT 399A Special Topics in Automotive Technology
2.0 units
Acceptable for credit: D - Credit - Degree Applicable
Prerequisite: AT 100 - Automotive Fundamentals ; and one additional AT course is recommended for enrollment
Designed to prepare trained students/technicians to pass specific Automotive Service Excellence (A.S.E) certification tests and retests. Students will select a minimum of four areas of study from the following speciality areas: Engine repair, Automotive Transmission/Transaxle, Manuel Drive Train and Axles, Suspension and Steering, Brakes, Electrical Systems, Heating and Air Conditioning, Engine Performance, and Damage Repair, Structural Analysis and Damage Repair, Mechanical and Electrical Components, Light Vehicle Compressed Natural Gas, and Parts Specialist. (Fall, Spring, Summer) (Letter Grade Only)

Athletic Training

ATH 104 Care and Prevention of Athletic Injuries
3.0 units
Acceptable for credit: *Transfer to CSU, limited to UC/see counselor
Designed for prospective coaches, athletic trainers, health and physical educators; to aid in the recognition, evaluation and care of athletic injuries. Emphasizes techniques in taping, care, prevention, and rehabilitation of injuries. This course includes one lab hour per week, which is led by the instructor. The lab hour allows students to apply concepts and techniques presented during lecture. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

ATH 106 Orthopedic Injury Assess/Rehab
4.0 units
Acceptable for credit: Transfer CSU
Advisories: BIOL 124 - Human Anatomy ; ENGL 101 - Freshman Composition: Exposition
Prerequisite: ATH 104 - Care and Prevention of Athletic Injuries
Designed for prospective kinesiology health professionals, including but not limited to athletic trainers, physical therapy aides, physical therapy assistants, physical therapists, and health and physical educators. The course will focus on the three areas of orthopedic care: theory and implementation of therapeutic modalities to athletic injuries; advanced recognition and assessment of orthopedic injuries; and application of rehabilitation programs for athletic injuries. This course includes three lab hours per week, which are led by the instructor. The lab hour allows students to apply concepts and techniques presented during lecture. (Spring) (Letter Grade or Pass/No Pass)

Basic Skills (Noncredit)

BASK 7002A CBET: Community Based English Tutoring
90.0 - 102.0 hours

Acceptable for credit: N - Noncredit
This multi-level English as a Second Language (ESL) course provides practical applications for parent involvement in children's learning and school environment. Topics include home tutoring techniques, creating a home environment conducive to learning, school content by grade level, and locating and utilizing educational resources through technology and community services. (Noncredit)

BASK 7003 Reading, Writing, and Math

36.0 - 102.0 hours
Acceptable for credit: N - Noncredit
This class is designed to help students improve basic skills in math, reading, and writing for the purpose of preparing students for high school diploma equivalency classes, entry into credit classes, or to improve career opportunities. (Fall, Spring, Summer) (Satisfactory Progress)

BASK 7004A Supervised Tutoring

45.0 - 51.0 hours
Acceptable for credit: N - Noncredit
C-ID Course Number: N/A
This course provides students with class-specific tutorial assistance, study strategies, self-confidence building strategies, and critical thinking skills necessary for success in the classroom. Students seeking a greater understanding of course material benefit from this small-group environment, which is conducive to skill building. (Fall, Spring, Summer) (Noncredit)

BASK 7005 H.S. Equivalency Exam Preparation

96.0 - 108.0 hours
Acceptable for credit: N - Noncredit
This course is designed to help students prepare for the High School Equivalency Exam such as the GED or HISET. Students learn the core knowledge and skills needed to pass each of the High School Equivalency Tests. The content areas covered will be Language Arts-Reading/Writing, Mathematics, Science, and Social Studies. Students will also receive instruction in developing test-taking skills. This course can be applied to obtain a secondary education/high school equivalency exam preparation certificate of competency. (Fall, Spring, Summer) (Satisfactory Progress)

BASK 7006 Math Reasoning

96.0 - 108.0 hours
Acceptable for credit: N - Noncredit
This course is designed to prepare students for the Math portion of the High School Diploma Equivalency preparation course for GED or HiSET. Students learn math skills and concepts applied to Real-Life applications and problem-solving strategies. (Fall, Spring) (Satisfactory Progress)

BASK 7007 Language Arts H.S. Equivalency Exam Prep

16.0 - 34.0 hours
Acceptable for credit: N - Noncredit
This course is designed to prepare students for the Reasoning Through Language Arts portion of the High School Equivalency preparation course for GED or HiSET. Students learn reading, writing skills, and critical thinking to effectively pass the test. The class is open entry; however, 8th grade reading level or above is recommended. Students will also learn test-taking strategies. (Satisfactory Progress)

BASK 7008A Success in College Lab

45.0 - 51.0 hours
Acceptable for credit: N - Noncredit
This open-entry, open-exit study lab provides high-risk students with general study skills applicable to specific courses. Students receive tutorial assistance, learn study strategies, and receive assistance to support credit class academic success. Although this lab is designed primarily for the student athlete, anyone 18 or over can attend. (Noncredit)

BASK 7009 Social Studies H.S. Equivalency Exam Prep

16.0 - 34.0 hours
Acceptable for credit: N - Noncredit
C-ID Course Number: N/A
This course is designed to prepare students for the Social Studies portion of the high school diploma equivalency preparation course for GED or HiSET. Students learn about Civics and Government, U.S. History, Economics, and Geography sections on the test. Emphasis is placed on learning test- taking strategies and applying thinking skills to analyze tables, charts, diagrams and text. (Fall, Spring, Summer) (Satisfactory Progress)

BASK 7010 Family Literacy

16.0 - 18.0 hours
Acceptable for credit: N - Noncredit
Family literacy recognizes adults as a powerful influence on children's academic success and emphasizes bringing reading and writing into the home and making it a family activity. This course presents students with the tools and resources needed to enhance literacy together. (Fall, Spring, Summer) (Noncredit)

BASK 7011 Basic Math

32.0 - 55.0 hours
Acceptable for credit: N - Noncredit
This basic math course is designed to help students increase their math skills. This course covers basic functions of arithmetic including whole numbers, multiplication, fractions, decimals, and percentages. Students will apply operations with numbers to real world problems and interpret the answers in a real-life context. This course can be applied to obtain a Basic Skills-Certificate of Competency. (Fall, Spring) (Satisfactory Progress)

BASK 7012 Basic Reading and Writing

32.0 - 55.0 hours
Acceptable for credit: N - Noncredit
This course is designed to help students learn the foundation of basic reading and writing so they may enroll in the language arts section for the High School Equivalency Exam Preparation course. The course is designed for students who read and write at grade levels below 8th grade. This course can be applied to obtain a Basic Skills in Certificate of Competency. (Satisfactory Progress)

BASK 7013 Computer Skills H.S. Equivalency Test Preparation
16.0 - 34.0 hours
Acceptable for credit: N - Noncredit
This course is designed to help students become familiar with basic computer skills needed to answer the different types of questions, editing tools, monitoring and control tools on the online GED and HiSET tests. Additionally, the students will learn how to use the TI-XS Scientific calculator for the GED test and the four-function calculator for the HiSET test. This course can be applied to obtain a secondary education/high school equivalency exam preparation - certificate of competency. (Fall, Spring, Summer) (Satisfactory Progress)

BASK 7014 Mathematics Lab
64.0 - 72.0 hours
Acceptable for credit: N - Noncredit
In this open laboratory setting, students receive one-on-one instruction in specific requested areas and guided practice sessions on varied mathematical topics. This class is designed as a supplementary lab for students who need additional instructional assistance to successfully complete any Allan Hancock College mathematics class. (Fall, Spring, Summer) (Noncredit)

BASK 7015 Reading and Writing Lab
64.0 - 128.0 hours
Acceptable for credit: N - Noncredit
Repeatable: 10.00
In this open laboratory setting, students receive one-on-one instruction in specific requested areas of reading and writing. The class is designed as a supplementary lab for students who need additional instructional assistance to successfully complete any reading or writing assignment for an Allan Hancock College class or for a college application. (Fall, Spring, Summer) (Noncredit)

BASK 7016 Science: High School Equivalency Exam Preparation
16.0 - 34.0 hours
Acceptable for credit: N - Noncredit
This course is designed to prepare students for the Science portion of the High School Diploma Equivalency preparation course for GED or HiSET. Students learn skills needed in related texts of Life Science, Physical Science, and Earth and Space Science. Emphasis is placed on learning test-taking strategies and applying thinking skills to analyze tables, charts, diagrams, and text. This course can be applied to obtain a secondary education/high school equivalency exam preparation - certificate of competency. (Satisfactory Progress)

BASK 7017 Geometry: High School Diploma Equivalency Exam Preparation
16.0 - 34.0 hours
Acceptable for credit: N - Noncredit
This course is designed to help students successfully complete the geometry section required to pass the High School Equivalency Exam for GED or HiSET. (Satisfactory Progress)

BASK 7200 Library Skills
4.0 - 6.0 hours
Acceptable for credit: N - Noncredit
C-ID Course Number: N/A
This noncredit lab course will teach students how to navigate the academic library, how to seek out research counsel from librarians and other library staff and how to evaluate the credibility of information sources. Students will also learn general library etiquette and library research skills. This course allows access to the open access digital resources of the library. (Noncredit)

Biology

BIOL 100 Introductory Biology
4.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: N/A
Advisories: Eligible for ENGL 101 or completion of; ENGL 514 - Writing Skills 4
An introduction to the concepts of biology. Designed for majors in fields other than biological science, the course investigates the nature of science, cells, genetics, evolution, ecology, and biodiversity. Lecture: 3 hours weekly. Lab: 3 hours weekly. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

BIOL 120 Humans and the Environment
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: N/A
Explores contemporary problems generated by human scientific, social and ethical interaction with the environment. Lectures examine the scope of present environmental problems, possible future impacts, and potential solutions. Topics include human impact on the environment, ecological controversies, ecosystem operation, water and energy perspectives, and values of wilderness preservation. Emphasis is on both local and global dimensions of the above topics. (Fall, Spring) (Letter Grade or Pass/No Pass)

BIOL 124 Human Anatomy
4.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: BIOL 110B
Advisories: BIOL 100 - Introductory Biology
An examination of the functional anatomy of the human organism. Lectures and laboratories investigate the microscopic and macroscopic structures of the major organ systems. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

BIOL 125 Human Physiology
4.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: BIOL 120B
Advisories: CHEM 120 - Introductory Chemistry
Prerequisite: ENGL 101 - Freshman Composition: Exposition ; and BIOL 124 - Human Anatomy
A study of the functions and interactions of human cells, tissues, organs, and organ systems. Metabolic processes, negative feedback mechanisms, and homeostatic regulation are

investigated in both lecture and laboratory sections. Emphasis is on the interaction of physiological processes responsible for the maintenance of normal body functions. Lecture: 3 hours weekly. Lab 3 hours weekly. (Fall, Spring) (Letter Grade or Pass/No Pass)

BIOL 128 Microbiology

4.5 units

Acceptable for credit: Transfer to UC, CSU
Prerequisite: BIOL 100 - Introductory Biology ; or BIOL 124 - Human Anatomy ; or BIOL 125 - Human Physiology ; or BIOL 150 - Cellular Biology ; and CHEM 120 - Introductory Chemistry ; or CHEM 150 - General Chemistry 1
An introduction to microorganisms, including morphology, physiology, and growth of bacteria and other microorganisms such as viruses. The role of bacteria and viruses as part of the human microbiome and host defenses against pathogens are emphasized. Laboratory procedures include identification, growth and metabolism of bacteria. Lecture: 3 hours weekly. Lab: 5 hours weekly. (Fall, Spring) (Letter Grade Only)

BIOL 132 Marine Biology

4.0 units

Acceptable for credit: Transfer to UC, CSU
An introductory study of marine organisms and their interactions in marine ecosystems with an emphasis on the organisms and ecosystems of the Central California coast. Several field trips to the marine shore required. (Fall, Spring) (Letter Grade or Pass/No Pass)

BIOL 150 Cellular Biology

5.0 units

Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: BIOL 190
Prerequisite: CHEM 120 - Introductory Chemistry
A study of the nature of life, emphasizing its molecular and cellular aspects of life, particularly cellular reactions as governs organismic metabolism, biological and chemical evolution, and Mendelian genetics. Lecture: 3 hours weekly. Lab: 6 hours weekly. (Fall, Spring) (Letter Grade Only)

BIOL 154 General Botany

5.0 units

Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: BIOL 155
Prerequisite: BIOL 100 - Introductory Biology ; or BIOL 150 - Cellular Biology ; and MATH 309 - Algebra and Math Literacy ; or MATH 331 - Algebra 2
A survey of the plant kingdom, including structure and functions, heredity, evolution and ecology, economic uses, taxonomic classification, the role of plants in the ecosystem, and important problems common to all plants. Lecture: 3 hours weekly. Lab 6 hours weekly. (Spring) (Letter Grade or Pass/No Pass)

BIOL 155 General Zoology

5.0 units

Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: BIOL 150
Prerequisite: BIOL 150 - Cellular Biology
Intended for the biology major, an exploration and survey of the animal phyla and non-photosynthetic, single-celled, eukaryotic taxa. Comparative structure, function, and life cycles of animals, as well as principles of evolution, taxonomy, and systematics are covered. Topics include development, morphology and physiology, phylogeny, and behavior of animals, as well as principles of evolution, mechanisms of evolutionary change, and speciation. Lecture: 3 hours weekly. Lab 6 hours weekly. (Fall) (Letter Grade Only)

BIOL 175 Cadaver Lab I

1.0 unit

Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Prerequisite: BIOL 124 - Human Anatomy Biol 124 with a grade of A or better and/or permission of the instructor.
A laboratory course providing supervised study and dissection of human cadavers. Intended for students interested in pursuing nursing, medicine, or other allied health professions who want to continue learning about the human body. Topics will include dissection techniques and human anatomy, as well presentation of cadavers to students currently taking Human Anatomy. Prerequisite and instructor permission are required to register. (Fall, Spring) (Letter Grade Only)

BIOL 176 Cadaver Lab II

1.0 unit

Acceptable for credit: Transfer CSU
Prerequisite: BIOL 175 - Cadaver Lab I
A laboratory course providing supervised study and dissection of human cadavers. Intended for students interested in pursuing nursing, medicine, or other allied health professions who want to continue learning about the human body. Topics will include dissection techniques and human anatomy, as well presentation of cadavers to students currently taking Human Anatomy. This is the 2nd semester in a 2 semester sequence. Prerequisite and instructor permission required to register. (Letter Grade Only)

BIOL 179 Experimental Courses in Biology

0.5 - 3.0 units

Acceptable for credit: Transfer CSU
Formerly known as “Workshops,” these are courses designed in specific disciplines to test new curriculum before adopting it as part of an academic program. These courses meet specific needs in the college and community as they are identified. Each class will carry a specific title relating to the discipline concerned. Advanced level experimental course may require academic or equivalent prerequisite or corequisite. Experimental courses labeled 179 are transferable; those labeled 379 are non-transferable. (Letter Grade or Pass/No Pass)

BIOL 189 Independent Projects in Biology

1.0 - 3.0 units

Acceptable for credit: Transfer CSU
Courses for students capable of independent work who demonstrate the need or desire for additional study beyond the regular curriculum. Enrollment allows students to pursue activities such as directed field experience, research, or development of skills and competencies under faculty advisement and supervision.

Independent projects may be earned in most disciplines. Students wishing to enroll in Independent Projects should contact the appropriate instructor identified in the class schedule. If the project proposed is acceptable to that instructor, a contract will be issued no later than the end of the second week of the semester. Units are awarded depending upon satisfactory performance and the amount of time committed by the student to the course. Allowable units vary according to discipline, and are based on the following formula: 1 unit - 48 hours per semester 2 units - 96 hours per semester 3 units - 144 hours per semester. (Letter Grade or Pass/No Pass)

BIOL 196 Self-directed Investigations
1.0 - 3.0 units
Acceptable for credit: Transfer CSU
Limitations on Enrollment: Enrollment is limited to 8 students per instructor due to safety concerns and the need to demonstrate a progression of knowledge or skills.
Prerequisite: BIOL 189 - Independent Projects in Biology
This course is designed to provide students the opportunity to further investigate a project from a previous semester at a more advanced level and/or pursue investigation of a new topic. (Fall, Spring) (Letter Grade Only)

BIOL 199 Special Topics in Biology
1.0 - 3.0 units
Acceptable for credit: Transfer CSU
- (Letter Grade or Pass/No Pass)

BIOL 199A Field Biology of the Sierra Nevadas
2.0 units
Acceptable for credit: D - Credit - Degree Applicable
Advisories: ENGL 300; or Eligibility for READ 310
An exploration of the plant and animal communities of selected portions of the Sierra Nevadas. When in the field, campsites are set up and maintained by the class. This course is commonly run in conjunction with Geology 199C (Topics in Geology: Sierra NV). Six hours of lecture precede the field trip. (Pass/No Pass)

Business

BUS 101 Introduction to Business
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: C-ID BUS 110
A survey in business providing a multidisciplinary examination of how culture, society, economic systems, legal, international, political, financial institutions, and human behavior interact to affect a business organization's policy and practices with the U.S. and a global society. Demonstrates how these influences impact the primary areas of business including: organizational structure and design, leadership, human resource management, organized labor practices, marketing, financial practices, the stock and securities market, and therefore affect a business' ability to achieve its organizational goals. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

BUS 102 Marketing
3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
The study of marketing channels and institutions; market structure, organizations, behavior, retail, wholesale and industrial marketing; and governmental regulations. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

BUS 103 Advertising
3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
A survey of advertising media; the psychology of advertising; motivational research; formulation of advertising budgets; mechanics of layout and copy; and evaluation and selection of media. (Spring) (Letter Grade or Pass/No Pass)

BUS 104 Business Organization and Management
3.0 units
Acceptable for credit: Transfer CSU
Advisories: BUS 302 - Essentials of Management
A study of the structure of business firms and the principles of organization that determine departmentalization and lines of authority and responsibility. Covers management principles and function, including planning, organization and control within a business firm. (Fall, Spring) (Letter Grade or Pass/No Pass)

BUS 106 Small Business Management
3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Advisories: BUS 101 - Introduction to Business
Intended primarily for students who plan to participate in an independently-owned business. Includes study of single proprietorships, partnerships, and corporations at all levels of the American economic system. Not designed as a substitute for Business 101 or Business 103, which serve as introductions to further study in business administration. (Fall, Spring) (Letter Grade or Pass/No Pass)

BUS 107 Human Relations in Business
3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Advisories: Eligibility for ENGL 513
A study of human relations in business including multicultural and gender relationships in the workplace. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

BUS 110 Business Law
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: C-ID BUS 125
Fundamental legal principles pertaining to business transactions. Introduction to the legal process. Topics include sources of law and ethics, contracts, torts, agency, criminal law, business organizations, and judicial and administrative processes. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

BUS 111 Internet Marketing
3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
A study of methods to create, distribute, promote, and price goods and services to a target market over the Internet. (Spring) (Letter Grade or Pass/No Pass)

BUS 121 Business Economics
3.0 units
Acceptable for credit: Transfer CSU
An introduction to basic economic analysis and institutions. Macroeconomic analysis of income, employment, price level, and international trade. Microeconomic analysis of demand, production, competitive and noncompetitive product markets, and factor markets. Emphasis is placed on the applications of economic theory in the business environment. This course is not open to students who are enrolled in or have received credit for ECON 121. May be taken prior to or concurrently with ECON 101 or ECON 102. (Fall, Spring, Summer) (Letter Grade Only)

BUS 130 Consumer and Family Finance
3.0 units
Acceptable for credit: Transfer CSU
Designed to assist individuals and/or those working with individuals to analyze and direct their financial affairs. Elements and concepts of financial planning and decision making in the areas of budgeting, taxes, borrowing, money management, consuming, insurance, investments, retirement, and estate planning will be analyzed with an emphasis on application to changing family needs. This course is not open to students who are enrolled in or have received credit for Economics 130 or Family and Consumer Sciences 130. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

BUS 140 Survey of International Business
3.0 units
Acceptable for credit: Transfer CSU
An introduction to institutions and business practices in the international environment, emphasizing the major motivations compelling private firms to pursue international business. (Fall) (Letter Grade or Pass/No Pass)

BUS 141 Global Economics
3.0 units
Acceptable for credit: Transfer to UC, CSU
Advisories: ECON 101 - Principles of Macro-Economics ; or Completion of or concurrent enrollment in; ECON 102 - Principles of Micro-Economics ; or ECON 121 - Business Economics ; or BUS 121 - Business Economics
An introduction to international economic issues. Explores why countries trade and addresses the consequences of trade restrictions. Alternative exchange rate systems, factors that cause exchange-rate fluctuations, and the determinants of a country's balance of trade are covered. Other topics include the politics of trade policy, the impact of trade on the job market, the role of international institutions in the global economy, financial crises, global environmental issues, and international debt problems. This course is not open to students who are enrolled in or have received credit for Economics 141 or Global Studies 141. May be taken prior to or concurrently with Econ 101 or Econ 102, or Econ 121 or Bus 121. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

BUS 149 Work Experience Education
1.0 - 8.0 units
Acceptable for credit: Limited transfer to CSU
Supervised employment extending classroom-based learning to an on-the-job learning environment relating to the student's career and educational goals. In addition, these work experiences improve the student's basic work skills and professional competencies by creating career awareness, improving work habits, and fostering positive workplace attitudes. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

BUS 160 Business Communications
3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Advisories: ENGL 514 - Writing Skills 4 ; and the ability to type 40 words per minute are strongly recommended.
A study of the types of communications used in industry and government with emphasis on the content and practice of creating and writing various types of letters, memorandums, reports, Internet e-mail, multimedia presentations and other types of documents. Spelling, correct word usage, sentence structure, punctuation, appearance of copy and organization of ideas are emphasized. (Fall, Spring) (Letter Grade or Pass/No Pass)

BUS 189 Independent Projects
1.0 - 3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Courses for students capable of independent work who demonstrate the need or desire for additional study beyond the regular curriculum. Enrollment allows students to pursue activities such as directed field experience, research, or development of skills and competencies under faculty advisement and supervision. Independent projects may be earned in most disciplines. Students wishing to enroll in Independent Projects should contact the appropriate instructor identified in the class schedule. If the project proposed is acceptable to that instructor, a contract will be developed. All contracts for these classes must be completed and submitted to the Records Office no later than the end of the second week of the semester. Students may enroll for any combination (unit value) of Independent Projects 189 and/or 389 for a total of four semesters in a specific discipline. Units are awarded depending upon satisfactory performance and the amount of time committed by the student to the course. Allowable units vary according to discipline, and are based on the following formula: 1 unit - 48 hours per semester 2 units - 96 hours per semester 3 units - 144 hours per semester (Fall, Spring, Summer) (Letter Grade Only)

BUS 302 Essentials of Management
3.0 units
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: N/A
A review of essential management skills including the role of the supervisor, supervisory challenges, and related human resources

responsibilities. This course is not open to students who are enrolled in or have received credit for one or more of the Essentials of Management modules or BUS 359 (Essentials of Management). (Fall, Spring) (Letter Grade or Pass/No Pass)

BUS 303 Sales And Marketing
3.0 units
Acceptable for credit: D - Credit - Degree Applicable
An overview of sales and marketing strategies including pricing, promotion and distribution of goods, services and concepts used to create relationships that satisfy individual and organizational objectives. This course is not open to students who are enrolled in or have received credit for one or more of the "Sales and Marketing: The Series" modules or Business 359 Sales and Marketing. (Spring) (Letter Grade or Pass/No Pass)

BUS 355 Issues in Internet Law
0.5 units
Acceptable for credit: D - Credit - Degree Applicable
Review of issues essential to understanding emerging Internet laws. Not open to students who have taken "Business Law: Series". (Fall, Spring, Summer) (Pass/No Pass)

BUS 356 Managing Organizations
0.5 units
Acceptable for credit: D - Credit - Degree Applicable
A look inside an organization to explore how organizational variables influence human behavior in the work place including: culture, power, job design and decision making. Not open to students who have taken BUS 387. (Fall, Spring, Summer) (Pass/No Pass)

BUS 357 Management: Listening
0.5 units
Acceptable for credit: D - Credit - Degree Applicable
This class focuses on active listening techniques which can increase understanding of instructions, reduce errors/omissions, and build empathetic relationships. Not open to students who have taken BUS 389. (Fall, Spring, Summer) (Pass/No Pass)

BUS 358 Managing Individuals
0.5 units
Acceptable for credit: D - Credit - Degree Applicable
Bring the best "you" to the job. Explore how your personality and attitudes, perceptions and attributions, problem solving styles, stress levels and more affect job behavior and performance. (Fall, Spring, Summer) (Pass/No Pass)

BUS 360 Introduction to Supervision
0.5 units
Acceptable for credit: D - Credit - Degree Applicable
This class is designed to help managers develop supervisory skills needed to successfully manage a business enterprise. (Fall, Spring, Summer) (Pass/No Pass)

BUS 361 Your Leadership Style
0.5 units
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: N/A
Students will identify their personal leadership style by taking a variety of conflict, communication, and personality tests. Not open to students who have taken BUS 387. (Fall, Spring, Summer) (Pass/No Pass)

BUS 362 Management: People Skills
0.5 units
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: N/A
This class will examine personal and professional habits that enhance a leader's ability to create and sustain a healthy and productive organization. Not open to students who have taken BUS 387 or BUS 389. (Fall, Spring, Summer) (Pass/No Pass)

BUS 363 Management: Conflict
0.5 units
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: N/A
This class is designed to help organizational leaders learn how to resolve conflict and manage resistance in the workplace. Not open to students who have taken BUS 389 or BUS 391. (Fall, Spring, Summer) (Pass/No Pass)

BUS 364 Winning Business Plans
0.5 units
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: N/A
This course focuses on methods to develop a business plan. (Fall, Spring, Summer) (Pass/No Pass)

BUS 365 Managing Teams
0.5 units
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: N/A
An introduction to effective strategies for team building in the workplace. (Fall, Spring, Summer) (Pass/No Pass)

BUS 366 Promoting Small Business
0.5 units
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: N/A
A course designed to help small business owners promote their business using effective advertising, sales promotion, public relations, and budgeting techniques. (Fall, Spring, Summer) (Pass/No Pass)

BUS 367 Managing Change
0.5 units
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: N/A
Learn how organizations can adapt to their respective environments and modify the work behavior of organizational members. Not open to students who have taken BUS 387. (Fall, Spring, Summer) (Pass/No Pass)

BUS 368 Online Auctions
0.5 units
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: N/A

A study of the business methods and advantages of selling and buying using online auctions. Online secured financial transactions will also be covered. (Fall, Spring, Summer) (Pass/No Pass)

BUS 369 Employment Law
0.5 units
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: N/A
An overview of employment laws and their impact on organizational policies, procedures, and practices. Not open to students who have taken BUS 391. (Fall, Spring, Summer) (Pass/No Pass)

BUS 370 Ethics and Integrity
0.5 units
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: N/A
An examination of how organizations can shape ethical conduct. Both the managers' and individuals' role in promoting ethical behavior is examined. Not open to students who have taken BUS 389 or BUS 391. (Fall, Spring, Summer) (Pass/No Pass)

BUS 371 Sexual Harassment Prevention
0.5 units
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: N/A
A review of laws, techniques, tools, and skills needed for prevention of sexual harassment. Not open to students who have taken BUS 391. (Fall, Spring, Summer) (Pass/No Pass)

BUS 372 Workplace Diversity
0.5 units
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: N/A
An examination of the various components of diversity in the workplace, the impacts and benefits of diversity, and the means to avoid diversity-related conflicts in the workplace. Not open to students who have taken BUS 391. (Fall, Spring, Summer) (Pass/No Pass)

BUS 373 Forming a Small Business
0.5 units
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: N/A
A review of laws, forms, and procedures required to form a small business. (Fall, Spring, Summer) (Pass/No Pass)

BUS 374 Business Incorporation
0.5 units
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: N/A
A review of laws, forms, and procedures required to incorporate a business. (Fall, Spring, Summer) (Pass/No Pass)

BUS 375 Patents and Copyrights
0.5 units
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: N/A
A review of laws, forms, and procedures required for establishing and protecting patents and copyrights. (Fall, Spring, Summer) (Pass/No Pass)

BUS 376 Strategic Planning
0.5 units
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: N/A
An examination of techniques, tools, and skills needed for developing and leading the strategic planning process. Not open to students who have taken BUS 387. (Fall, Spring, Summer) (Pass/No Pass)

BUS 377 Managing Service Quality
0.5 units
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: N/A
An overview of the functions of quality customer service and their affect on the customer satisfaction process. Not open to students who have taken BUS 389. (Fall, Spring, Summer) (Pass/No Pass)

BUS 378 Effective Sales Methods
0.5 units
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: N/A
An overview of the selling process and successful persuasive marketing communication methods including sales presentations and closes. (Fall, Spring, Summer) (Pass/No Pass)

BUS 380 Marketing Strategies
0.5 units
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: N/A
Learn how to develop winning marketing plans including strategies for product, brand, channel, communications, and pricing. (Fall, Spring, Summer) (Pass/No Pass)

BUS 381 Entering Global Markets
0.5 units
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: N/A
Learn the essentials required to enter global markets including details on sales channels, financing, cultural, legal, and economic factors. (Fall, Spring, Summer) (Pass/No Pass)

BUS 382 Advertising and Public Relations Strategies
0.5 units
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: N/A
Introduces integrated marketing communications strategies for developing productive advertising and maintaining positive public relations. (Fall, Spring, Summer) (Pass/No Pass)

BUS 386 Business Resume Writing
1.0 unit
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: N/A

This course will help students learn how to create and maintain a professional resume and cover letter. Students will apply resume writing techniques to develop an effective personal resume. The course will also assist job seekers in preparing to interview with prospective employers. (Spring, Summer) (Pass/No Pass)

BUS 387 Executive Leadership: Series
3.0 units
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: N/A
Review of skills/knowledge essential to business/non-profit executives. Not open to students who have taken any of the following business courses: BUS 397, BUS 361, BUS 376, BUS 356, BUS 367, BUS 362. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

BUS 389 Customer Service: Series
3.0 units
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: N/A
A review of skills/knowledge essential to those working in customer service. Not open to students who have taken any of the following Business courses: BUS 377, BUS 394, BUS 357, BUS 363, BUS 362, BUS 370. (Fall, Spring) (Letter Grade or Pass/No Pass)

BUS 390 Business Entrepreneurship Law
3.0 units
Acceptable for credit: D - Credit - Degree Applicable
A review of skills and knowledge essential to applying business law to entrepreneurship. (Letter Grade or Pass/No Pass)

BUS 391 Human Resources Mgt: Series
3.0 units
Acceptable for credit: D - Credit - Degree Applicable
A review of skills/knowledge essential to Human Resource Managers. Not open to students who have taken any of the following business courses: BUS 369, BUS 371, BUS 372, BUS 396, BUS 370, BUS 363. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

BUS 392 Performance Evaluation
0.5 units
Acceptable for credit: D - Credit - Degree Applicable
A review of techniques, tools, and skills needed for effective employee performance evaluation. (Fall, Spring, Summer) (Pass/No Pass)

BUS 393 Business Report Writing
0.5 units
Acceptable for credit: D - Credit - Degree Applicable
A review of effective written business communication techniques, including proper report writing, employee evaluations, and memos. Includes a review of punctuation, grammar, style, and clarity. (Fall, Spring, Summer) (Pass/No Pass)

BUS 394 Managing Verbal Communication
0.5 units
Acceptable for credit: D - Credit - Degree Applicable
This class is designed to help leaders improve their verbal communication skills. Students will learn how to improve the design and transmittal of their messages. Not open to students who have taken BUS 389. (Fall, Spring, Summer) (Pass/No Pass)

BUS 396 Performance Measurement
0.5 units
Acceptable for credit: D - Credit - Degree Applicable
Learn to design and utilize recurring performance measurements tied to budgetary program cost centers. Not open to students who have taken BUS 391. (Fall, Spring, Summer) (Pass/No Pass)

BUS 397 Executive Leadership
0.5 units
Acceptable for credit: D - Credit - Degree Applicable
The real worth of an organization's values come from what is practiced rather than merely professed. This highly interactive class prepares organizational leaders to turn their good intentions into action and build staff communication and team building. Not open to students who have taken BUS 387. (Fall, Spring, Summer) (Pass/No Pass)

BUS 398 Efficient Meetings
0.5 units
Acceptable for credit: D - Credit - Degree Applicable
A review of techniques that lead to efficient and effective meetings. Ways to foster participation, decision making, and action are highlighted. (Fall, Spring, Summer) (Pass/No Pass)

Culinary Arts

CA 118 Beverage Management
1.0 unit
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
A study of managing bar and beverage service for profit. Types of beverages (including mixology), equipment, sanitary operations, staffing, promotions, purchasing, storage, inventory, and pricing strategies are discussed. (Fall) (Letter Grade or Pass/No Pass)

CA 119 Introduction to the Hospitality Industry
2.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
An overview of the hospitality industry with an emphasis on career perspectives and wages. Topics include the restaurant business, operations and industry organization; issues in food service management; and lodging operations, the hotel business, and the role of service in all sectors. (Fall, Spring) (Letter Grade or Pass/No Pass)

CA 120 Principles of Foods 1
4.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: NUTR 120
Advisories: CA 124 - Sanitation, Safety, and Equipment
Provides knowledge and experience in food preparation terminology, equipment, and techniques to increase proficiency,

coupled with investigation of the science principles involved. Emphasis is on ingredient functions and interactions; production and sensory evaluation standards; food safety and sanitation; nutrient composition; and food aesthetics and presentation. Content includes recipe and menu development, stocks, sauces, meat, poultry, fish and shellfish. This course is not open to students who have received credit for FCS 120. (Fall, Spring) (Letter Grade Only)

CA 121 Basic Baking and Pastry

3.0 units

Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Advisories: CA 124 - Sanitation, Safety, and Equipment
The study of equipment, skills and procedures used in commercial bakeries. Includes practical application in the production of a wide variety of quick and yeast breads and cookies. (Fall, Spring) (Letter Grade or Pass/No Pass)

CA 122 Advanced Baking and Pastry

3.0 units

Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Prerequisite: CA 121 - Basic Baking and Pastry
Designed to increase the student's proficiency in baking and pastry techniques with a focus on artistry and practical skills. Explores classical and modern applications of pastries, meringues, tarts, syrups, creams, sauces, pies, fillings, fruit desserts, and plating. (Spring) (Letter Grade or Pass/No Pass)

CA 123 Principles of Foods 2

2.0 units

Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Prerequisite: CA 120 - Principles of Foods 1 ; or FCS 120 - Principles of Foods 1
Provides knowledge and experience in food preparation terminology, equipment, and techniques. Emphasis is on scientific principles, ingredient functions and interactions, production and sensory evaluation standards, food safety and sanitation, nutrient values, food aesthetics, and presentation of vegetables, starches and grains, salads and dressing, sandwiches, hor d'oeuvres, Garde Manger, breakfast foods, bakeshop, and international cuisine. This course is not open to students who are enrolled in or have received credit for FCS 123. (Spring) (Letter Grade or Pass/No Pass)

CA 124 Sanitation, Safety, and Equipment

3.0 units

Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
An overview of basic concepts of personal and institutional sanitation and safety as applied to food service with special emphasis on the role of the food supervisor/manager in maintaining sound practices. The course also covers the concepts of sanitation and safety as related to the selection, layout, and use of equipment and examines current recommended practices including local, state, and federal regulations. (Fall, Spring) (Letter Grade or Pass/No Pass)

CA 125 Supervision and Training Techniques

3.0 units

Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
A study of food service operations, procedures, and problems encountered in the development of personnel programs and desirable labor management relationships. Topics include selection, placement, orientation, training, counseling, rating, and promotion of employees. (Fall) (Letter Grade or Pass/No Pass)

CA 126 Food Production Cost, Control and Management

3.0 units

Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
A study of quantity food preparation with emphasis on food, beverage and labor cost control management in purchasing, receiving, storing, issuing, and producing food products. Principles and procedures for the management of institutional, restaurant, and catering food service settings are examined. (Spring) (Letter Grade or Pass/No Pass)

CA 129 Catering and Events Management

3.0 units

Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Prepares students for self-employment or working within the hotel/restaurant industry. Includes the research, design, planning, coordination, and evaluation of events. Major emphasis is on managing catered events including menu development, organization, cost accounting, service, rentals, scheduling, staffing, contracts, legal requirements, marketing, and client relations. (Spring) (Letter Grade or Pass/No Pass)

CA 323 Specialty and Wedding Cakes

1.0 unit

Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: N/A
Advisories: CA 120 - Principles of Foods 1 ; or FCS 120 - Principles of Foods 1
Prerequisite: CA 124 - Sanitation, Safety, and Equipment or Food Safety Manager Certification (current or expired) or California Food Handler Card (current).
A study of cake making including mixing, baking, assembling, filling and frosting with American layer, European style, and wedding cake assembly. Client relations and business practices for wedding cake sales is covered. (Fall) (Letter Grade or Pass/No Pass)

CA 324 Cake Decorating and Decorative Work

1.0 unit

Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: N/A
Advisories: CA 120 - Principles of Foods 1 ; or FCS 120 - Principles of Foods 1
Prerequisite: CA 124 - Sanitation, Safety, and Equipment or Food Safety Manager Certification (current or expired) or California Food Handler Card (current).
Instruction in cake decorating techniques including assembling and icing cakes and pastry bag work for borders, lace, string work,

writing, and flowers. Cake design, colors, construction, evaluation, and decorations of marzipan, pastillage, and nougatine will be covered. (Fall) (Letter Grade or Pass/No Pass)

CA 325 Specialty Cakes - Baking and Decorating
2.0 units
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: N/A
Advisories: CA 124 - Sanitation, Safety, and Equipment ; CA 120 - Principles of Foods 1
A study of cake making including mixing, baking, assembling, filling, frosting and decorating with American layer, European style, and wedding cake assembly. Client relations and business practices for wedding cake sales is covered. (Spring) (Letter Grade or Pass/No Pass)

Computer Business Information Systems

CBIS 101 Computer Concepts and Applications
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: ITIS 120
Advisories: CBOT 100 - Keyboarding ; CBIS 301 - Computer Fundamentals 1
The focus of this course is to provide the students with computer concepts and management information systems concepts as used with business computing. Additionally, the course covers changes in technology that affect how computers are used in business. The course includes hands-on experience using software applications such as Internet browsers, word processing, spreadsheets, databases, and presentation software. Learn the fundamentals latest version of Microsoft Office: Word, Excel, Access and PowerPoint, (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

CBIS 108 Networking and Administration
3.0 units
Acceptable for credit: Transfer CSU
Advisories: CBIS 301 - Computer Fundamentals 1
Prepares students to work as network administrators or server managers emphasizing installation and maintenance of a Windows networking environment. Also provides preparation for the Windows certification exam. (Fall, Spring) (Letter Grade or Pass/No Pass)

CBIS 112 Intro to Visual Basic Program
3.0 units
Acceptable for credit: Transfer to UC, CSU
Advisories: CBIS 301 - Computer Fundamentals 1 ; or CBIS 101 - Computer Concepts and Applications ; or CS 102 - Introduction to Computing with HTML
An introduction to Visual Basic Net programming language for the Windows environment. Learn to create forms, add controls, and develop code for Windows, Mobile, Web, and database application programs. (Fall, Spring) (Letter Grade or Pass/No Pass)

CBIS 141 Microsoft Excel-Comprehensive
3.0 units
Acceptable for credit: Transfer CSU
Advisories: CBIS 101 - Computer Concepts and Applications ; or CBIS 371 - Intro to Excel ; or CS 102 - Introduction to Computing with HTML
Manage and analyze information using spreadsheets for more informed decisions. Some skills covered are applying formatting, creating calculations, using functions, creating Pivot Tables and Pivot Charts, developing macros, sharing data, and writing VBA code. (Fall, Spring) (Letter Grade or Pass/No Pass)

CBIS 142 Microsoft Access-Comprehensive
3.0 units
Acceptable for credit: Non-Transferable
Advisories: CBIS 101 - Computer Concepts and Applications ; or CBIS 372 - Intro to Access
Learn techniques to solve business problems and develop business decision-making processes using a database program. Some skills covered are developing and maintaining tables, relationships, queries, forms, reports, macros, and code modules. Learn Microsoft Access. Course teaches skills needed for the Microsoft Access certification. (Fall, Spring) (Letter Grade or Pass/No Pass)

CBIS 301 Computer Fundamentals 1
3.0 units
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: n/a
Advisories: CBOT 100 - Keyboarding
A basic course for computer novices to learn how to operate a computer and use common software such as the Windows, operating system, Internet browser and Microsoft Office. Also covers using these skills for the workplace with the inclusion of soft skills in the business environment. Learn Windows operating system and update your computer skills. This is an excellent computer course for the computer beginner. (Fall, Spring) (Letter Grade or Pass/No Pass)

CBIS 310 Information Security Awareness for Business Professionals
3.0 units
Acceptable for credit: D - Credit - Degree Applicable
Advisories: CBIS 101 - Computer Concepts and Applications
The focus of this course is to provide the students with the practical knowledge to protect their personal computers and networks from increasingly sophisticated attacks and apply these skills to business practice. This course addresses questions like: What type of attacks will antivirus software prevent? How do I set up a firewall? How can I test my computer to be sure that attackers cannot reach it through the Internet? How do I protect mobile devices? Students learn answers to these questions through a series of real-life user experiences and a straightforward presentation of information. The course includes hands on projects and case projects that give students the opportunity to apply what they have learned. (Fall, Spring) (Letter Grade or Pass/No Pass)

CBIS 311 Information Security Planning for Business Managers
3.0 units
Acceptable for credit: D - Credit - Degree Applicable
Advisories: CBIS 101 - Computer Concepts and Applications

The focus of this course is to provide the students with the practical knowledge to determine areas of risks/vulnerabilities in Business Information Systems and use this knowledge to create a plan to address data security risks in the workplace. (Fall) (Letter Grade or Pass/No Pass)

CBIS 321 Internet Business Applications
3.0 units
Acceptable for credit: D - Credit - Degree Applicable
Advisories: CBIS 301 - Computer Fundamentals 1 or equivalent skills
Development of fundamental competency in Internet business applications. Explores a comprehensive range of skills from the basic uses of Internet browsers, search engines, and email to file transfer protocol, file compression, and bookmark management. Includes the use of editing software to create interactive business websites, searching for and registering domain names, and analyzing business websites. (Fall, Spring) (Letter Grade or Pass/No Pass)

CBIS 327 Building Business Web Sites
3.0 units
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: n/a
Advisories: CBIS 301 - Computer Fundamentals 1 or equivalent
An introductory to advanced course on business website development that consists of website design, accessibility, usability, and troubleshooting. Presents skills necessary to create professional-looking business Web pages using images, tables, tags, cascading style sheets, forms, libraries, behaviors and timelines. Includes uploading and maintaining pages on an Internet server site. Learn Adobe Dreamweaver's latest version. (Fall, Spring) (Letter Grade or Pass/No Pass)

CBIS 337 Presentation Design - PowerPoint
3.0 units
Acceptable for credit: D - Credit - Degree Applicable
An introduction to computer-based business presentations and their development using PowerPoint. This course is not open to students who are enrolled in or have received credit for CBOT 337. (Fall, Spring) (Letter Grade or Pass/No Pass)

CBIS 371 Intro to Excel
1.0 unit
Acceptable for credit: D - Credit - Degree Applicable
Provides the students with an introduction to the use of Microsoft Excel. This course covers fundamentals of spreadsheet design; date entry, use of formulas and operators, charting information and printing worksheets and graphs. (Fall, Spring, Summer) (Pass/No Pass)

CBIS 372 Intro to Access
1.0 unit
Acceptable for credit: D - Credit - Degree Applicable
Provides the student with an introduction to the use of a database management program. Learn Microsoft Access. (Fall, Spring, Summer) (Pass/No Pass)

CBIS 379A An Introduction to Business Website Development
1.0 unit
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: n/a
Course on fundamentals of business website planning: outline business website goals, competitor website analysis, target audience analysis, website content requirements and choosing appropriate tools to setup a site through templates. (Summer) (Letter Grade or Pass/No Pass)

CBIS 399 Special Topics in Computer Business Information Systems
0.5 - 3.0 units
Acceptable for credit: -
- (Letter Grade or Pass/No Pass)

Computer Business Office Technology

CBOT 100 Keyboarding
1.0 unit
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Elementary keyboarding by touch techniques for those who need to develop keyboarding and keypad skills necessary for using computer keyboards. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

CBOT 131 Introduction to Word Processing
3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Advisories: CBOT 100 - Keyboarding
An introduction to word processing designed to develop skills in formatting and editing documents. Topics include setting tabs, creating headers and footers, inserting tables, creating newsletters, applying styles, using templates and printing envelopes and labels. Time saving tips and techniques will also be discussed. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

CBOT 132 Advanced Word Processing
3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Advisories: CBOT 131 - Introduction to Word Processing
An advanced word processing experience designed to develop industry proficiency in the skills required for processing information in today's electronic office. Includes inserting graphics and WordArt to create flyers and newsletters, creating online forms, inserting a table of contents and index for reports and books, creating hyperlinks, bookmarks, and cross-references, completing a mail merge, recording macros and saving documents using different file formats. (Fall, Spring) (Letter Grade or Pass/No Pass)

CBOT 189 Independent Projects
1.0 - 3.0 units
Acceptable for credit: Transfer CSU

Courses for students capable of independent work who demonstrate the need or desire for additional study beyond the regular curriculum. Enrollment allows students to pursue activities such as directed field experience, research, or development of skills and competencies under faculty advisement and supervision. Independent projects may be earned in most disciplines. Students wishing to enroll in Independent Projects should contact the appropriate instructor identified in the class schedule. If the project proposed is acceptable to that instructor, a contract will be developed. All contracts for these classes must be completed and submitted to the Records Office no later than the end of the second week of the semester. Students may enroll for any combination (unit value) of Independent Projects 189 and/or 389 for a total of four semesters in a specific discipline. Units are awarded depending upon satisfactory performance and the amount of time committed by the student to the course. Allowable units vary according to discipline, and are based on the following formula: 1 unit - 48 hours per semester 2 units - 96 hours per semester 3 units - 144 hours per semester (Letter Grade or Pass/No Pass)

CBOT 189 Independent Projects

1.0 - 3.0 units

Acceptable for credit: Transfer CSU
C-ID Course Number: n/a
Courses for students capable of independent work who demonstrate the need or desire for additional study beyond the regular curriculum. Enrollment allows students to pursue activities such as directed field experience, research, or development of skills and competencies under faculty advisement and supervision. Independent projects may be earned in most disciplines. Students wishing to enroll in Independent Projects should contact the appropriate instructor identified in the class schedule. If the project proposed is acceptable to that instructor, a contract will be developed. All contracts for these classes must be completed and submitted to the Records Office no later than the end of the second week of the semester. Students may enroll for any combination (unit value) of Independent Projects 189 and/or 389 for a total of four semesters in a specific discipline. Units are awarded depending upon satisfactory performance and the amount of time committed by the student to the course. Allowable units vary according to discipline, and are based on the following formula: 1 unit - 48 hours per semester 2 units - 96 hours per semester 3 units - 144 hours per semester (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

CBOT 302 Records Management

2.0 units

Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: N/A
A comprehensive course in the principles and practices of records management. The course covers the rules of indexing and alphabetizing and various records management systems including geographic, numeric, and subject plus the organization and operation of records management programs. (Fall, Spring) (Letter Grade or Pass/No Pass)

CBOT 305 Legal Office Procedures

3.0 units

Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: N/A
Course focuses on law office procedures and terminology for the purpose of employment as a secretary and/or paralegal in a law office. The law office principles and management skills learned in this course may be applied to employment in any legal practice area (civil, criminal, family, probate, etc.) as well as other professional office settings. (Fall, Spring) (Letter Grade or Pass/No Pass)

CBOT 312 Keyboarding Speed and Development

1.0 unit

Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: N/A
Advisories: CBOT 100 - Keyboarding
Designed to follow the formal computerized keyboarding courses in order to bring up students' speed and accuracy by the touch method before they enter the job market. (Fall, Spring) (Letter Grade or Pass/No Pass)

CBOT 333 Business Desktop Publishing

3.0 units

Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: N/A
Basics of desktop publishing for business documents using Microsoft Publisher. Learn to create newsletters, brochures, advertising mailers, flyers, event invitations, business cards and other marketing materials for business. Topics include page layouts, formatting, inserting objects, and mail merge. (Fall, Spring) (Letter Grade or Pass/No Pass)

CBOT 334 Administrative Office Procedures

3.0 units

Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: N/A
Advisories: CBOT 131 - Introduction to Word Processing
This course focuses on both the computerized and non-computerized administrative tasks performed by administrative assistants and office managers in today's electronic office. Topics include effective communication in the workplace, records management, customer service and teamwork. (Fall, Spring) (Letter Grade or Pass/No Pass)

CBOT 337 Presentation Design - PowerPoint

3.0 units

Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: N/A
An introduction to computer-based business presentations and their development using PowerPoint. Topics include creating dynamic, non-linear presentations with animation, designing colorful handouts, installing and using templates, inserting sound, action buttons, video and creating slide masters. Time saving tips and techniques will also be discussed. (Fall, Spring) (Letter Grade or Pass/No Pass)

CBOT 360 Word - Basics

1.0 unit

Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: N/A

An introductory course in the basics of word processing. Learn to create letters, memos, reports, tables and flyers using word processing software. (Summer) (Pass/No Pass)

CBOT 361 Intro to PowerPoint
1.0 unit
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: N/A
An introductory course in using presentation design software. Students will learn how to create dynamic presentations, with animation, transitions and graphics. Students will also learn how to use templates and modify design themes. (Summer) (Pass/No Pass)

Computer Electronics

CEL 104 Introduction to Robotics and Mechatronics
3.0 units
Acceptable for credit: Transfer CSU
An introduction to robotic control applications. Basic electronics including digital, analog, and microcontroller devices, sensors and transducers, and actuators will be emphasized for automation control. Topics include Basic, Assembly and C language programming for robotic control; interfacing of indicators, switches, sensors and transducers; controlling motion and motors; monitoring and measurement of rotation; measuring light, temperature and conductance; application of navigation and measurement techniques; remote control applications; mechanical systems; and the control of frequency and sound. This course is not open to students who are enrolled in or have received credit for EL 104 or ET 104. (Fall, Spring) (Letter Grade Only)

CEL 128 Introduction to Renewable Energy
3.0 units
Acceptable for credit: Transfer CSU
Prerequisite: CEL 104 - Introduction to Robotics and Mechatronics or EL 104 or ET 104
A study of the principles behind energy generation and conversion that can be applied to modern electrical, mechanical, and chemical devices that use or produce power. Special emphasis will be given to the study of electricity as a renewable energy source. This course is not open to students who are enrolled in or have received credit for EL 128 or ET 128. (Letter Grade Only)

CEL 131 Programmable Logic Controllers and Control Design
3.0 units
Acceptable for credit: Transfer CSU
Prerequisite: EL 125 - Digital Devices and Circuits
A study of the purpose and operating features of a programmable logic controller (PLC). Topics include PLC terminology, architecture, input/output modules, memory, commands for internal relays, on/off timers, up/down counters, use of subroutines, program control, and math instructions. Relay schematics, ladder logic diagrams, and programming of logic controllers are emphasized. Sensing devices and time-driven process sequences will be studied and integrated into control systems. This course is not open to students who are enrolled in or have received credit for EL 131 or ET 131. (Letter Grade Only)

CEL 133 Mechatronic Systems 1
3.0 units
Acceptable for credit: Transfer CSU
Prerequisite: CEL 104 - Introduction to Robotics and Mechatronics ; or EL 104 - Introduction to Robotics and Mechatronics ; or ET 104 - Introduction to Robotics and Mechatronics
This is a hands-on mechatronic systems course that focuses on the electromechanical concepts (mechanics, electronic, and programming) of automated systems. Emphasis is placed on how industrial grade sensors and transducers function and upon how they are interfaced into control systems. Study topics include: transducers and sensors for light, heat, motion, pressure, and position control; switching devices; input and output signal conditioning; continuous, closed-loop, and proportional integral derivative process control; and safety. This course is not open to students who have received credit for, or are enrolled in ET 133 or EL 133. (Letter Grade Only)

CEL 139 Electrical Power, Motors, and Controls
3.0 units
Acceptable for credit: Transfer CSU
Prerequisite: EL 122 - Electronic Devices and Circuits ; and EL 125 - Digital Devices and Circuits
A study of electronics, signal communication and power technology that support efficient manufacturing processes for various industries. Topics include motors, their drives and controls, power electronics, PLCs, and communications networks used to monitor industrial processes. This course is not open to students who are enrolled in or have received credit for EL 139 or ET 139. (Letter Grade Only)

CEL 162 Fluid Power and Control
2.0 units
Acceptable for credit: Transfer CSU
An introduction to the generation, control and basic applications of hydraulics and pneumatics force and motion systems. Topics include safety, properties of and forces in liquids, pumps, motors, valves, reservoirs, strainers, filers, accumulators, basic diagramming, system design and troubleshooting. This course is not open to students who are enrolled in or have received credit for EL 162 or ET 162. (Letter Grade Only)

Chemistry

CHEM 110 Chemistry and Society
4.0 units
Acceptable for credit: Transfer CSU
An introduction to the fundamentals of chemistry including the composition of matter, energy, and chemical reactions and their application to everyday living. Applications of chemistry in the areas of medicine, nuclear power, plastics, household products and society's effect on the environment will be emphasized. Intended for non-science majors. Not open to students who are enrolled in or have completed Chemistry 100, 105, or Chemistry 120. (Fall, Spring) (Letter Grade or Pass/No Pass)

CHEM 120 Introductory Chemistry

4.0 units

Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: CHEM 101
An introductory course emphasizing the principles and practices of chemistry for the student having no prior background in chemistry. Not open to students currently enrolled in or who have received credit for CHEM 100. Lecture 3 hours weekly. Lab : 3 hours weekly. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

CHEM 140 Introduction to Organic and Biochemistry

4.0 units

Acceptable for credit: *Transfer to CSU, limited to UC/see counselor
Prerequisite: CHEM 120 - Introductory Chemistry
This course is a continuation of introductory chemistry(CHEM120). An introductory study of the compounds of organic functional groups and reactions involved in the body (biochemistry) as applied to the health sciences. Laboratory work consists of analysis and reactions of representative compounds including carbohydrate, amino acids, and lipid exposure. Consideration is given to the simple aspects of organic analysis and an introduction to reaction mechanisms and metabolic pathways. Lecture: 3 hours weekly. Lab: 3 hours weekly. (Spring) (Letter Grade or Pass/No Pass)

CHEM 150 General Chemistry 1

5.0 units

Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: CHEM 110, CHEM 120S
Prerequisite: CHEM 120 - Introductory Chemistry or equivalent
A study of the principles and theories of chemistry. Topics include the kinetic molecular theory of matter, atomic structure and the periodic table, chemical bonding, gases and stoichiometry. Experiments in standard qualitative and quantitative analysis emphasizing the collection and interpretation of data are covered in the lab. Lecture: 3 hours weekly. Lab: 6 hours weekly. (Fall, Spring) (Letter Grade or Pass/No Pass)

CHEM 151 General Chemistry 2

5.0 units

Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: CHEM 120S
Prerequisite: CHEM 150 - General Chemistry 1
A continuation of Chemistry 150, emphasizing the development of the principles and theories of chemical equilibria, chemical kinetics, thermodynamics and electro-chemistry, including an introduction to modern means of instrumental analysis. The laboratory consists of experiments in standard qualitative and quantitative analysis. Lecture: 3 hours weekly. Lab: 6 hours weekly. (Fall, Spring) (Letter Grade or Pass/No Pass)

CHEM 180 Organic Chemistry 1

5.0 units

Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: CHEM 150 and 160S
Prerequisite: CHEM 151 - General Chemistry 2
CHEM 180 focuses on organic compounds and current methods used in the laboratory to synthesize, analyze, and purify. This course discusses physical properties, reactivity, structure, and synthesis of organic compounds and their derivatives during lecture three hours a week. Each week, there are six hours of laboratory time in which gas-chromatography (GC), infrared radiation (IR), and nuclear magnetic resonance (NMR) spectroscopic methods are used to analyze while crystallization, extraction, sublimation, and multiple methods of distillation will be used to purify the various compounds synthesized throughout the experiments. This course is designed for biochemistry, chemistry, chemical engineering, medical, pharmacy, and other majors that require a more intensive course than CHEM 140 when transferring to a four-year institution, or preparing for entrance examinations in the fields of dentistry, medicine, or pharmacy. Total 54 hours lecture, 108 hours laboratory. (Letter Grade Only)

CHEM 181 Organic Chemistry 2

5.0 units

Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: CHEM 160S
Prerequisite: CHEM 180 - Organic Chemistry 1
CHEM 181 continues to focus on derivatives of organic compounds and current methods used in the laboratory to synthesize, analyze, and purify. This course discusses physical properties, reactivity, structure, and synthesis of organic compounds and even more derivatives during lecture three hours a week. Each week, there are six hours of laboratory time in which gas chromatography (GC), infrared radiation (IR), and nuclear magnetic resonance (NMR) spectroscopic methods are used to analyze while crystallization, extraction, sublimation, and multiple methods of distillation will be used to purify the various compounds synthesized throughout the experiments. This course is designed for biochemistry, chemistry, chemical engineering, medical, pharmacy, and other majors that require a more intensive course than CHEM 140 when transferring to a four-year institution, or preparing for entrance examinations in the fields of dentistry, medicine, or pharmacy. Total 54 hours lecture, 108 hours laboratory. (Letter Grade Only)

CHEM 189 Independent Projects

1.0 - 3.0 units

Acceptable for credit: Transfer CSU
Courses for students capable of independent work who demonstrate the need or desire for additional study beyond the regular curriculum. Enrollment allows students to pursue activities such as directed field experience, research, or development of skills and competencies under faculty advisement and supervision. Independent projects may be earned in most disciplines. Students wishing to enroll in Independent Projects should contact the appropriate instructor identified in the class schedule. If the project proposed is acceptable to that instructor, a contract will be developed. All contracts for these classes must be completed and submitted to the Records Office no later than the end of the second week of the semester. Students may enroll for any combination (unit value) of Independent Projects 189 and/or 389 for a total of four semesters in a specific discipline. Units are awarded depending upon satisfactory performance and the amount of time committed by the student to the course. Allowable units vary according to discipline, and are based on the following formula: 1

unit - 48 hours per semester 2 units - 96 hours per semester 3 units - 144 hours per semester (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

Citizenship (Noncredit)

CITZ 7000 Preparation for Citizenship
15.0 - 90.0 hours
Acceptable for credit: N - Noncredit
C-ID Course Number: N/A
Students learn about the Constitution, government, history, and geography of the United States in preparation for the United States Citizenship and Immigration Services (USCIS) required oral interview and exam. The class also familiarizes students with requirements and exclusions for citizenship. (Fall, Spring, Summer) (Noncredit)

CITZ 7001 U.S. Citizenship Interview Preparation
18.0 - 24.0 hours
Acceptable for credit: N - Noncredit
This course is designed as an addition to the citizenship preparation course. Citizenship applicants must pass a face-to-face interview with an immigration officer in order to qualify for citizenship. In this course, topics will cover the N-400 application questions and how to answer them. Students will practice basic English conversational skills, as well as key definitions of the words used in the application. (Satisfactory Progress)

Communications

COMM 100 Survey of Communication Studies
3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: COMM 115
This course will provide students with an introduction to the field of communication studies and its impact on cultural, social, and behavioral contexts. Students will explore the various types of communication with an emphasis on primary theories and effective personal and professional communication behaviors. (Letter Grade or Pass/No Pass)

COMM 101 Public Speaking
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: COMM 110
An introduction to the theory and practice of presenting speeches for various situations and audiences. Students will become better communicators by learning how to appropriately select a topic, research, organize, outline, and effectively present informative, persuasive, and special occasion speeches. The course is not open to students who received credit for SPCH 101. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

COMM 102 Small Group Communication
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: COMM 140
Provides an introduction to group communication theory and effective public speaking. Through practice and research, students will explore concepts of group dynamics, leadership, decision-making, verbal/nonverbal communication, and conflict management. Students will learn how to research, organize, outline, and effectively deliver presentations. The course is not open to students who received credit for SPCH 102. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

COMM 103 Interpersonal Communication
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: COMM 130
Students will study and apply principles of communication that occur in relationships. The course includes the study of theory and research findings and their application to communication in interpersonal relationships in personal and professional contexts.The themes of culture and gender are integrated throughout all course content. The course is not open to students who have received credit for SPCH 103. (Fall, Summer) (Letter Grade or Pass/No Pass)

COMM 106 Argumentation and Debate
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: COMM 120
Advisories: COMM 101 - Public Speaking ; or COMM 102 - Small Group Communication ; COMM 101 - Public Speaking ; or COMM 102 - Small Group Communication
Prerequisite: ENGL 101 - Freshman Composition: Exposition
This course focuses on the foundations of argumentation theory through the practice of academic debate. The topics of logic and reasoning, logical fallacies, research, the preparation and presentation of case building, refutation, and ethical advocacy will be addressed. Students will develop their critical thinking skills by conducting research, reading and analyzing texts and speeches/debates, participating in formal and informal debates, and writing a minimum of 5,000 words. The course is not open to students who received credit for SPCH 106. (Fall, Spring) (Letter Grade or Pass/No Pass)

COMM 108 Oral Interpretation
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: COMM 170
Through theory and practice, students will discover and communicate the intellectual, emotional, and aesthetic meaning of literature by choosing, analyzing, rehearsing, and orally presenting short selections of prose, poetry, and drama. The course is not open to students who received credit for SPCH 108. (Fall, Spring) (Letter Grade or Pass/No Pass)

COMM 110 Intercultural Communication
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: COMM 150
A study of intercultural communication theory. An understanding of cultural aspects and communication problems within and between ethnic groups is emphasized. The course is not open to students who received credit for SPCH 110. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

COMM 189 Independent Projects
1.0 - 3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Courses for students capable of independent work who demonstrate the need or desire for additional study beyond the regular curriculum. Enrollment allows students to pursue activities such as directed field experience, research, or development of skills and competencies under faculty advisement and supervision. Independent projects may be earned in most disciplines. Students wishing to enroll in Independent Projects should contact the appropriate Academic Dean, or an instructor identified in the class schedule. If the project proposed is acceptable to that instructor, a contract will be developed. All contracts for these classes must be completed and approved by the appropriate dean before the last day of enrollment. Units are awarded depending upon satisfactory performance and the amount of time committed by the student to the course. Allowable units vary according to discipline, and are based on the following formula: 1 unit - 48 hours per semester 2 units - 96 hours per semester 3 units - 144 hours per semester. The course is not open to students who received the maximum credit for SPCH 189. (Fall, Spring) (Letter Grade or Pass/No Pass)

Cosmetology

COS 301 Intro to Cosmetology
5.0 units
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: N/A
Limitations on Enrollment: Admission to the Cosmetology program
An introduction to the field of cosmetology with extensive practice in introductory hair, skin and nail care techniques. The course covers the practices of beauty salon operation, good customer and public relations, and analysis of the Cosmetology Act and State Board Rules and Regulations. (Fall, Spring, Summer) (Letter Grade Only)

COS 301A Introduction to Cosmetology
5.5 units
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: N/A
Limitations on Enrollment: Admission to the Cosmetology program
An introduction to the field of cosmetology with extensive practice in introductory hair, skin and nail care techniques. The course covers the practices of beauty salon operation, good customer and public relations, and analysis of the Cosmetology Act and State Board Rules and Regulations. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

COS 302 Beginning Cosmetology
9.0 units
Acceptable for credit: D - Credit - Degree Applicable
Prerequisite: COS 301 - Intro to Cosmetology with grade of C or higher
Provides students with basic laboratory and salon experience in the field of cosmetology and related sciences. Includes theories and practices in hair styling, permanent waving, chemical straightening, haircutting, hair coloring and bleaching, scalp and hair treatments, facials, eyebrow arching and hair removal, makeup, manicuring and pedicuring. Students are required by the State Board of Cosmetology to complete COS 301, 302, 303, and 304 for a total of 1600 hours in order to qualify to take the licensure examination and become eligible to practice as a cosmetologist. (Fall, Spring, Summer) (Letter Grade Only)

COS 302A Beginning Cosmetology
5.5 units
Acceptable for credit: D - Credit - Degree Applicable
Prerequisite: COS 301A - Introduction to Cosmetology with grade of C or higher
Provides students with basic laboratory and salon experience in the field of cosmetology and related sciences. Includes theories and practices in hair styling, permanent waving, chemical straightening, haircutting, hair coloring and bleaching, scalp and hair treatments, facials, eyebrow arching and hair removal, makeup, manicuring and pedicuring. Students are required by the State Board of Cosmetology to complete COS 301, 302, 303, and 304 for a total of 1000 hours in order to qualify to take the licensure examination and become eligible to practice as a cosmetologist. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

COS 303 Intermediate Cosmetology
9.0 units
Acceptable for credit: D - Credit - Degree Applicable
Prerequisite: COS 302 - Beginning Cosmetology
Provides students with intermediate laboratory and salon experience in the field of cosmetology and related sciences. Includes theories and practices in hair styling, permanent waving, chemical straightening, haircutting, hair coloring and bleaching, scalp and hair treatments, facials, eyebrow arching and hair removal, makeup manicuring and pedicuring. Students are required by the State Board of Cosmetology to complete COS 301, 302, 303, and 304 for a total of 1600 hours in order to qualify to take the licensure examination and become eligible to practice as a cosmetologist. (Fall, Spring, Summer) (Letter Grade Only)

COS 303A Intermediate Cosmetology
5.5 units
Acceptable for credit: D - Credit - Degree Applicable
Prerequisite: COS 302A - Beginning Cosmetology
Provides students with intermediate laboratory and salon experience in the field of cosmetology and related sciences. Includes theories and practices in hair styling, permanent waving, chemical straightening, haircutting, hair coloring and bleaching, scalp and hair treatments, facials, eyebrow arching and hair removal, makeup manicuring and pedicuring. Students are required by the State Board of Cosmetology to complete COS 301, 302, 303, and 304 for a total of 1000 hours in order to qualify to take the licensure examination and become eligible to practice as a cosmetologist. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

COS 304 Advanced Cosmetology
9.0 units
Acceptable for credit: D - Credit - Degree Applicable
Prerequisite: COS 303 - Intermediate Cosmetology

Provides students with advanced laboratory and salon experience in the field of cosmetology and related sciences. Includes theories and practices in hair styling, permanent waving, chemical straightening, haircutting, hair coloring and bleaching, scalp and hair treatments, facials, eyebrow arching and hair removal, makeup, manicuring and pedicuring. Students are required by the State Board of Cosmetology to complete COS 301, 302, 303, and 304 for a total of 1600 hours in order to qualify to take the licensure examination and become eligible to practice as a cosmetologist. (Fall, Spring, Summer) (Letter Grade Only)

COS 304A Advanced Cosmetology
5.5 units
Acceptable for credit: D - Credit - Degree Applicable
Prerequisite: COS 303A - Intermediate Cosmetology
Provides students with advanced laboratory and salon experience in the field of cosmetology and related sciences. Includes theories and practices in hair styling, permanent waving, chemical straightening, haircutting, hair coloring and bleaching, scalp and hair treatments, facials, eyebrow arching and hair removal, makeup, manicuring and pedicuring. Students are required by the State Board of Cosmetology to complete COS 301, 302, 303, and 304 for a total of 1000 hours in order to qualify to take the licensure examination and become eligible to practice as a cosmetologist. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

COS 310 Manicuring
9.0 units
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: N/A
Designed to prepare the student to take the state board examination required to obtain a license as a manicurist/pedicurist. Includes the study of anatomy, sanitation and sterilization, and safety precautions as applied to manicuring and pedicuring operations. Students will develop knowledge and skills in water and oil manicuring, hand and arm massage, complete pedicure procedures, massage, and nail analysis. (Fall, Spring) (Letter Grade Only)

Computer Science

CS 102 Introduction to Computing with HTML
3.0 units
Acceptable for credit: Transfer to UC, CSU
Advisories: CBOT 100 - Keyboarding
A general education course dealing with how computers work, how they are used and their effects on society. Includes an introduction to web-page design using HTML. (Fall, Spring) (Letter Grade Only)

CS 111 Fundamentals of Programming 1
4.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: COMP 122
Advisories: CS 102 - Introduction to Computing with HTML
Corequisite: MATH 131 - College Algebra Or previous completion.; or MATH 141 - Precalculus Or previous completion.
Basic principles of algorithmic problem solving and programming using methods of top-down design, stepwise refinement and procedural abstraction. Basic control structures, data types, and input/output. Introduction to the software development process: design, implementation, testing and documentation. The syntax and semantics of a modern programming language. (Summer) (Letter Grade Only)

CS 112 Fundamentals of Programming 2
4.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: COMP 132
Prerequisite: CS 111 - Fundamentals of Programming 1
Design, implementation, and testing of object-oriented software. Introduction to classes, objects, encapsulation, interfaces, inheritance, polymorphism, algorithms (sort, search, recursion), abstract data types (list, stacks, queues, trees), data structures, pointers, dynamic allocation, traversal using iterators, file I/O, and exceptions. Students will develop applications using class hierarchies and abstract data types. (Fall) (Letter Grade Only)

CS 131 Computer Organization
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: COMP 142
Prerequisite: CS 111 - Fundamentals of Programming 1
Introduction to computer architecture and assembly language programming. Topics include data representation and conversion, assembly language programming, digital design, and basic processor architecture. (Fall, Spring) (Letter Grade Only)

CS 161 Discrete Structures
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: COMP 152
Prerequisite: CS 111 - Fundamentals of Programming 1
An introduction to the discrete structures of computing, including propositional and predicate logic, methods of proof, functions, computer arithmetic, algorithm complexity, recursion, graphs, trees, sets and relations, networks, induction, and combinatorics. (Fall, Spring) (Letter Grade Only)

CS 189 Independent Projects
1.0 - 3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Prerequisite: TBA
Courses for students capable of independent work who demonstrate the need or desire for additional study beyond the regular curriculum. Enrollment allows students to pursue activities such as directed field experience, research, or development of skills and competencies under faculty advisement and supervision. Independent projects may be earned in most disciplines. Students wishing to enroll in Independent Projects should contact the appropriate instructor identified in the class schedule. If the project proposed is acceptable to that instructor, a contract will be developed. All contracts for these classes must be completed and submitted to the Records Office no later than the end of the second week of the semester. Students may enroll for any combination (unit value) of Independent Projects 189 and/or 389 for a total of four semesters in a specific discipline. Units are awarded depending upon satisfactory performance and the amount of time

committed by the student to the course. Allowable units vary according to discipline, and are based on the following formula: 1 unit - 48 hours per semester 2 units - 96 hours per semester 3 units - 144 hours per semester (Pass/No Pass)

Dental Assisting

DA 310 Exploring Career Opportunities
1.0 unit
Acceptable for credit: D - Credit - Degree Applicable
Limitations on Enrollment: Admittance to Dental Assisting program
An exploration of dental health career options. Provides a preview on dental practices and specialties, professional and legal responsibilities, and the roles of the dental assistant. Details program requirements and student success and support services including but not limited to financial aid, academic counseling, learning assistance, etc. (Summer) (Pass/No Pass)

DA 314 Introduction to Bio-Dental Science
3.0 units
Acceptable for credit: D - Credit - Degree Applicable
Limitations on Enrollment: Admittance to Dental Assisting program
The course presents basic terminology related to human anatomy and physiology with emphasis on head and neck anatomy. It introduces the bio-dental sciences: dental nomenclature, embryology, histology, morphology, pathology, microbiology, pharmacology,nutrition and preventive dentistry. (Fall) (Letter Grade Only)

DA 317 Dental Assisting Theory
7.0 units
Acceptable for credit: D - Credit - Degree Applicable
Corequisite: DA 318 - Basic Dental Assisting Skills
Limitations on Enrollment: Admittance to Dental Assisting Program
The course prepares the student to provide patient care with emphasis on diagnostic, restorative, and specialty branches of dentistry. Topics include infection control, management of hazardous materials, emergency medical procedures, and management of pain and anxiety. It focuses on the dental assisting theory. (Fall) (Letter Grade Only)

DA 318 Basic Dental Assisting Skills
3.0 units
Acceptable for credit: D - Credit - Degree Applicable
Corequisite: DA 317 - Dental Assisting Theory
Limitations on Enrollment: Admittance to Dental Assisting program
The course prepares the student to provide patient care with emphasis on diagnostic, restorative, and specialty branches of dentistry. Topics include infection control, management of hazardous materials, emergency medical procedures, and management of pain and anxiety. It focuses on dental assistant skills. (Fall) (Letter Grade Only)

DA 319 DA Administrative Skills
3.0 units
Acceptable for credit: D - Credit - Degree Applicable
The aim of this course is for the clinical dental assistant to learn the foundational administrative skills utilized in the dental office. Topics covered include the branches of dentistry and the role of each team member. Participants will learn the dental basics, which include numbering systems, charting, cavity classifications, and treatment planning. We will explore strategies for effective communication skills as they relate to patient management, scheduling, recall systems, and other related administrative duties. The ADA code of ethics is reviewed. Including compliance with HIPAA regulations, professional and other ethical issues facing the dental profession. Employment strategies are discussed. Dental software is utilized. (Fall) (Letter Grade Only)

DA 320 DA Practicum in the Community
1.0 unit
Acceptable for credit: D - Credit - Degree Applicable
Limitations on Enrollment: Admittance to the Dental Assisting program
The course provides supervised learning experiences in the various applications of dental assisting skills in the community and public health settings. The student would participate in dental screenings, provide oral hygiene instruction, and apply fluoride varnish on children and migrant families in the community. (Fall) (Letter Grade Only)

DA 325 Clinical Dental Procedures
3.0 units
Acceptable for credit: D - Credit - Degree Applicable
Limitations on Enrollment: Admittance to Dental Assisting program
The course focuses on intra-oral procedures including temporary crowns, temporary restorations, as well as clinical procedures performed by Registered Dental Assistants. Emphasis is also given to the California State Board testing requirements. (Spring) (Letter Grade Only)

DA 326 Dental Radiography
4.0 units
Acceptable for credit: D - Credit - Degree Applicable
Limitations on Enrollment: Admittance to Dental Assisting program
This course covers the principles and procedures related to dental radiography and digital imaging.Topics include history,radiation physics and biological effects, protection procedures and safety guidelines. It includes film identification, processing, mounting, and evaluation. Laboratory exposures on manikin cover intra-oral techniques for periapical and bitewing films using various techniques and film-holding devices. Clinical exposures of patients are completed with authorization of a licensed dentist, evaluated by faculty, and utilized by the dentist for diagnostic purposes. A State Dental Board certificate will be issued upon successful completion of the course. (Spring) (Letter Grade Only)

DA 327 Dental Screening
0.5 units
Acceptable for credit: D - Credit - Degree Applicable
Limitations on Enrollment: Admittance to Dental Assisting program

This course provides clinical experiences in dental screening skills. Emphasis is on performing four-handed chair-side dental assisting, identifying, and recording patient clinical findings of intra-oral and extra-oral dental examinations. Eligible patients would be provided with the opportunity to schedule subsequent dental appointments in radiography, coronal polish, and pit and fissure sealant clinics. (Spring) (Letter Grade Only)

DA 328 Pit and Fissure Sealants
1.0 unit
Acceptable for credit: D - Credit - Degree Applicable
Limitations on Enrollment: Admittance to the Dental Assisting Program
Thc course provides theory and clinical applications of resin materials, pit and fissure sealants, on developing teeth to prevent cavities. (Spring) (Letter Grade Only)

DA 329 Dental Assisting Practicum
4.0 units
Acceptable for credit: D - Credit - Degree Applicable
Limitations on Enrollment: Admittance to the Dental Assisting Program
This course provides supervised learning experiences in the various applications of dental assisting skills. (Spring) (Letter Grade Only)

DA 330 Coronal Polish
1.0 unit
Acceptable for credit: D - Credit - Degree Applicable
Limitations on Enrollment: Admittance to the Dental Assisting Program
This course meets the requirements of the California Board of Dentistry. It includes techniques for removal of pellicle, plaque, and extrinsic stain from the clinical crown. Students will be evaluated on adherence to sterilization and infection control policies and procedures as well as actual provision of care on three dental patients. (Spring) (Letter Grade Only)

DA 332 RDA Law and Ethics
0.5 units
Acceptable for credit: D - Credit - Degree Applicable
Limitations on Enrollment: Admittance to the Dental Assisting Program
The course prepares students to take the California Dental Board law and ethics examination. It covers the licensure requirements, scope of practice of the registered dental assistant, revocation of license, and ethical standards of practice. (Spring) (Letter Grade Only)

DA 348 RDA - Success Seminar
0.5 units
Acceptable for credit: D - Credit - Degree Applicable
Limitations on Enrollment: Successful completion of second semester dental assisting program courses.; Admittance to Dental Assisting program
The course is designed to prepare students for the written components of the State Board examination. The California State Practice Act will be reviewed. (Spring) (Letter Grade Only)

DA 380 Dental Assisting Skills Lab
0.5 units
Acceptable for credit: D - Credit - Degree Applicable
Limitations on Enrollment: Admittance to the Dental Assisting program
This is an open-entry laboratory course designed to provide students with the opportunity to refine and expand skills learned in the corequisite program. Students may repeat the course as they progress through the program. (Fall, Spring) (Letter Grade Only)

Dance

DANC 101 Dance Appreciation
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: N/A
An overview of the development of dance as an art form from its historical roots to contemporary trends,examining diversity of people, cultures, and events. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

DANC 102 Auditioning for Dancers
2.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Auditioning for Dancers is a practical course which helps the student investigate, select, and prepare dance audition material appropriate to the individual and the audition call. The course includes exercises in handling choreographed dance routines, on-camera slating, improvisation for audition calls, including; learning and understanding the many forms of dance auditioning techniques, taking live audition field trips (student not required to attend) and taking a look at auditions from the casting director's point of view. (Fall, Spring) (Letter Grade or Pass/No Pass)

DANC 104 Dancing for the Camera
2.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Students receive practical training and experience in auditioning, dancing, and performing methods and techniques for film, television, commercials and music videos. Students are introduced to vocabulary used in the film industry. Emphasis is placed on focused positioning, directional changes, and spatial constraints of the camera and specific shots (wide, medium, close-ups, etc.). Additionally, the course delves into the declaration of cross-cultural influences that have shaped film, television, and music videos techniques over the years. The course will include live taping, playback of selected scenes and choreographed routines. (Letter Grade or Pass/No Pass)

DANC 107 Intercollegiate Conditioning-Dance
3.0 units
Acceptable for credit: Transfer to UC, CSU
Repeatable: 8.00
C-ID Course Number: N/A
Limitations on Enrollment: Instructor recommendation - students must be eligible to compete with the intercollegiate dance team, by first auditioning, and then registering for the UDA (Universal

Dance Association) and/or NDA (National Dance Association) College Nationals.
Designed to permit students to utilize an individualized strength and body-building program using a combination of exercise and free weights in preparation for participation in an intercollegiate competition. Students will additionally engage in a variety of activities designed to enhance skill development and performance capabilities required for successful participation in future competitive intercollegiate sport circumstances and events. Students may repeat this course if they are UDA (Universal Dance Association) and/or NDA (National Dance Association) College Nationals eligible. (Letter Grade or Pass/No Pass)

DANC 109 Intercollegiate Dance Team

3.0 units
Acceptable for credit: Transfer to UC, CSU
Repeatable: 3.00
C-ID Course Number: N/A
Limitations on Enrollment: Instructor recommendation - auditioning into team, and then registering for the UDA (Universal Dance Association) and/or NDA (National Dance Association) College Nationals.
Designed to give students extensive practice and instruction in dance choreography to prepare them for intercollegiate competition. Attendance at intercollegiate events associated with this course will be required of students. Students may repeat this course if they are UDA (Universal Dance Association) and/or NDA (National Dance Association) College Nationals eligible. (Letter Grade or Pass/No Pass)

DANC 110 Modern Dance I

2.0 units
Acceptable for credit: Transfer to UC, CSU
Repeatable: 3.00
C-ID Course Number: N/A
The study and execution of fundamental modern dance techniques including movement skills and the basic rhythmic structure of dance. Students have the opportunity to create their own movement combinations. Attendance of AHC dance concert is required. This is a lecture/lab course. (Fall, Spring) (Letter Grade or Pass/No Pass)

DANC 111 Modern Dance II

2.0 units
Acceptable for credit: Transfer to UC, CSU
Repeatable: 3.00
C-ID Course Number: N/A
Advisories: DANC 110 - Modern Dance I
The study and execution of modern dance techniques, including level 2 movement skills with a more advanced rhythmic structure. Students will study styles such as Martha Graham, Merce Cunningham and Jose Limon. The opportunity to create and perform their own movement combinations is part of the structure of the class. (Fall, Spring) (Letter Grade or Pass/No Pass)

DANC 115 Modern Dance III

3.0 units
Acceptable for credit: Transfer to UC, CSU
Repeatable: 3.00
C-ID Course Number: N/A
Advisories: DANC 111 - Modern Dance II
Limitations on Enrollment: Audition
The study and execution of modern dance styles such as, Martha Graham, Merce Cunningham, and Jose Limon at an advanced level. Students have the opportunity to create their own movement combinations. Attendance of AHC dance concert is required. (Spring) (Letter Grade Only)

DANC 120 Ballet Dance I

2.0 units
Acceptable for credit: Transfer to UC, CSU
Repeatable: 3.00
C-ID Course Number: N/A
An introduction to the fundamentals of ballet movement and terminology. Barre work emphasizes the basic exercises of ballet that develop control, strength, and basic body placement. Center work concentrates on basic ballet combinations of adage, jumps, waltz, and turns. Students have the opportunity to create their own movement combinations. (Fall, Spring) (Letter Grade or Pass/No Pass)

DANC 121 Ballet Dance II

2.0 units
Acceptable for credit: Transfer to UC, CSU
Repeatable: 3.00
C-ID Course Number: N/A
Advisories: DANC 120 - Ballet Dance I
A study at the intermediate level of movements appropriate to classical music, including intermediate level ballet barre, center adagio, turns, and allegro movement. Students have the opportunity to create their own movement combinations. (Fall, Spring) (Letter Grade or Pass/No Pass)

DANC 125 Ballet Dance III

3.0 units
Acceptable for credit: Transfer to UC, CSU
Repeatable: 3.00
C-ID Course Number: N/A
Advisories: DANC 121 - Ballet Dance II
Limitations on Enrollment: Audition
Emphasizes complex work in the Russian and Italian Ballet techniques, including turns, beats, and grand allegro. Students have the opportunity to develop ballet performing skills. Attendance of AHC dance concert is required. (Fall) (Letter Grade Only)

DANC 130 Jazz Dance I

2.0 units
Acceptable for credit: Transfer to UC, CSU
Repeatable: 1.00
C-ID Course Number: N/A
An introduction to the basic movements appropriate to contemporary jazz music, emphasizing exercises that develop body strength and flexibility, and improve rhythmic abilities and movement coordination. Covers different jazz styles, including rock, modern jazz, and theatre dance. Students have the opportunity to create their own movement combinations. Attendance of AHC dance concert is required. This is a lecture/lab course. (Fall, Spring) (Letter Grade or Pass/No Pass)

DANC 131 Jazz Dance II
2.0 units
Acceptable for credit: Transfer to UC, CSU
Repeatable: 1.00
C-ID Course Number: N/A
Advisories: DANC 130 - Jazz Dance I
A study at the intermediate level of movements appropriate to contemporary music, including turns, floor work, isolation combinations, and rhythm techniques. Students have the opportunity to create their own movement combinations. Attendance of AHC dance concert is required. (Fall, Spring) (Letter Grade or Pass/No Pass)

DANC 133 Hip Hop Dance I
2.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: N/A
An introduction to hip hop dance including East and West Coast dance styles, and exploration of the use of space, energy, rhythm, improvisation and emphasizing body movement control. Observation and critique of a dance concert is required. (Fall, Spring) (Letter Grade or Pass/No Pass)

DANC 135 Jazz Dance III
3.0 units
Acceptable for credit: Transfer to UC, CSU
Repeatable: 1.00
C-ID Course Number: N/A
Advisories: DANC 131 - Jazz Dance II
Limitations on Enrollment: Audition
A study of jazz technique at the advanced level. Students have the opportunity to create their own movement combinations. Attendance of AHC dance concert is required. (Letter Grade Only)

DANC 137 Funk Dance
2.0 units
Acceptable for credit: Transfer to UC, CSU
Advisories: ENGL 514 - Writing Skills 4 ; and DANC 133 - Hip Hop Dance I
A study of Funk Dance from the West Coast at the intermediate level. Observation and critique of a dance concert is required. This is a lecture/lab course. (Fall, Spring) (Letter Grade or Pass/No Pass)

DANC 138 Hip Hop Dance II
2.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: N/A
Advisories: DANC 133 - Hip Hop Dance I
A study of hip hop dance at the intermediate level. The focus of this course will be the study of break dancing floor work vocabulary, turns improvisation and choreography. Observation and critique of a dance concert is required. (Fall, Spring) (Letter Grade or Pass/No Pass)

DANC 139 Hip Hop Dance III
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: N/A
Advisories: DANC 138 - Hip Hop Dance II
Limitations on Enrollment: Audition
Advanced commercial dance hip-hop builds upon skills learned in Intermediate hip-hop, with an emphasis on increasing vocabulary, styles, and length of dance combinations with more complex rhythms. Using commercial hip-hop dance as a vehicle, students will be able to explore their own movement expressions and choreography in both group and solo settings, and prepare them for entry-level work in the commercial dance industry. (Letter Grade or Pass/No Pass)

DANC 140 Ballet Folklórico I
2.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: N/A
An introduction to the fundamentals of movements appropriate for Mexican folklorico and dances of Spain, emphasizing exercises to improve rhythmic abilities and movement coordination. (Fall, Spring) (Letter Grade or Pass/No Pass)

DANC 142 Ballet Folklórico II
2.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: N/A
Advisories: DANC 140 - Ballet Folklórico I ; DANC 140 - Ballet Folklórico I
An intermediate study of traditional dance from both Mexico and Spain. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

DANC 145 Folklórico Zapateados
1.0 unit
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: N/A
Advisories: DANC 140 - Ballet Folklórico I
Perform beginning and low intermediate Folklorico footwork from various regions of Mexico. Understanding the evolution of Folklorico and its influence on current dance forms such as banda and cumbia; along with the study of chacha, salsa, bolero and huapangos. (Letter Grade or Pass/No Pass)

DANC 147 Folklórico Dance History
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: N/A
History and performance of Mexican folk music and dance; Indian, African, Spanish, and European influences; contemporary relationships to Chicano culture. (Letter Grade or Pass/No Pass)

DANC 148 Folklórico Concert Production
3.0 units
Acceptable for credit: Transfer to UC, CSU
Repeatable: 3.00
C-ID Course Number: N/A
Limitations on Enrollment: Audition
Provides the opportunity for career-oriented performers to work with guest artists in the Ballet Folklórico performance experience. Those experiences will include on campus and community outreach performances throughout the semester including a mandatory participation in ANGF (Associacion Nacional de Grupos

Folklóricos) dance convention and competition. (Letter Grade Only)

DANC 151 Clinic In Tap
0.5 units
Acceptable for credit: Transfer to UC, CSU
An introduction to the basic movements of tap dancing, emphasizing styles of musical theater as related to tap. (Summer) (Pass/No Pass)

DANC 152 Tap Dance I
2.0 units
Acceptable for credit: Transfer to UC, CSU
Repeatable: 1.00
C-ID Course Number: N/A
An introduction to the basic movements of tap dancing, emphasizing styles of musical theater as related to tap. Covers exercises to develop rhythmic abilities and movement coordination. (Fall, Spring) (Letter Grade or Pass/No Pass)

DANC 153 Tap Dance II
2.0 units
Acceptable for credit: Transfer to UC, CSU
Repeatable: 1.00
C-ID Course Number: N/A
Advisories: DANC 152 - Tap Dance I
A study of intermediate level movements of tap dancing and freestyle rhythmic forms, emphasizing styles of musical theater as related to tap. (Fall) (Letter Grade or Pass/No Pass)

DANC 154 Clinic in Dance Partnering
1.0 unit
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: N/A
Prerequisite: DANC 110 - Modern Dance I ; DANC 120 - Ballet Dance I ; DANC 130 - Jazz Dance I
Designed for the intermediate level student. Ballet, modern, and jazz will be taught for women; while men will work on masculine movement in the same styles. Techniques for partnering will also be explored. (Spring) (Pass/No Pass)

DANC 155 Clinic in Pilates
0.5 units
Acceptable for credit: *Transfer to CSU, limited to UC/see counselor
An introduction to Pilates-based exercise techniques. (Pass/No Pass)

DANC 156 Techniques for Stretch and Wellness
1.0 unit
Acceptable for credit: *Transfer to CSU, limited to UC/see counselor
C-ID Course Number: N/A
Designed to help students increase range of motion while decreasing injuries associated with improper preparation for physical activities. Alignment, injury prevention, physical and psychological wellness concepts are among the topics covered. While the class is particularly important for dancers and athletes, all students can benefit. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

DANC 160 Clinic in Ballet
0.5 units
Acceptable for credit: Transfer to UC, CSU
A study of fundamental dance techniques, focusing on building basic stretch and strength for the student. Emphasis on style varies according to the needs of the student. (Summer) (Pass/No Pass)

DANC 161 Clinic In Intermediate Ballet
0.5 units
Acceptable for credit: Transfer to UC, CSU
Advisories: DANC 120 - Ballet Dance I ; or DANC 160 - Clinic in Ballet
A study in intermediate ballet, focusing on the classical style. (Summer) (Pass/No Pass)

DANC 162 Clinic in Jazz
0.5 units
Acceptable for credit: Transfer to UC, CSU
A study of fundamental dance techniques in contemporary forms, emphasizing building stretch and strength and learning rhythmic forms to contemporary music. (Summer) (Pass/No Pass)

DANC 163 Clinic in Intermediate Jazz
0.5 units
Acceptable for credit: Transfer to UC, CSU
Advisories: DANC 130 - Jazz Dance I ; or DANC 162 - Clinic in Jazz
A study of intermediate dance techniques in the contemporary styles. Emphasis on complex rhythmic movements. (Summer) (Pass/No Pass)

DANC 164 Clinic in Modern Dance
0.5 units
Acceptable for credit: Transfer to UC, CSU
A study of basic modern dance techniques including warm-ups, locomotor moves, combinations, improvisation, and terminology. A live performance will conclude the session. (Summer) (Pass/No Pass)

DANC 165 Clinic in Hip Hop
0.5 units
Acceptable for credit: Transfer to UC, CSU
An introduction to hip hop dance. (Summer) (Pass/No Pass)

DANC 168 Clinic in Stretch
0.5 units
Acceptable for credit: *Transfer to CSU, limited to UC/see counselor
C-ID Course Number: N/A
Designed to help students increase range of motion while decreasing injuries associated with improper preparation for physical activities. Students learn to maintain a position for a sustained period of time in order to allow the body to stretch and warm its muscles. While the class is particularly important to dancers and athletes, all students can benefit. (Spring) (Pass/No Pass)

DANC 170 Music for Dancers
1.0 unit
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: N/A
Advisories: DANC 110 - Modern Dance I ; or DANC 120 - Ballet Dance I ; or DANC 130 - Jazz Dance I
The study of music and basic rhythms as they relate to dance, including quality, phrasing, and extensive practice in counting and moving to music. (Fall, Spring, Summer) (Letter Grade Only)

DANC 171 Dance Composition/Choreography I
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: N/A
Advisories: DANC 111 - Modern Dance II ; DANC 121 - Ballet Dance II ; DANC 131 - Jazz Dance II
An exploration of movement expression through improvisation and choreographic exercises for the intermediate dance student. Students will have an opportunity to work on choreographic exercises for the intermediate dance student. Students will have an opportunity to work on choreography as a complete concert piece. (Summer) (Letter Grade Only)

DANC 172 Beginning Ballroom Dance
0.5 units
Acceptable for credit: Transfer to UC, CSU
Students will learn basic ballroom dances including the rhumba, cha-cha, fox trot, waltz, tango, swing and samba. (Pass/No Pass)

DANC 175 Clinic in Salsa
0.5 units
Acceptable for credit: Transfer to UC, CSU
An introduction to salsa as a social dance form. (Summer) (Pass/No Pass)

DANC 176 Choreography Field Work
2.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Advisories: ENGL 514 - Writing Skills 4
Presents intermediate level projects in choreography that will lead to a performance. (Summer) (Letter Grade Only)

DANC 178 Intermediate Social Dance
0.5 units
Acceptable for credit: Transfer to UC, CSU
Advisories: DANC 175 - Clinic in Salsa
A study of complex Latin and jitterbug dance forms. Partner lifts will be explored. (Pass/No Pass)

DANC 180 Performance Laboratory
3.0 units
Acceptable for credit: Transfer to UC, CSU
Advisories: ENGL 514 - Writing Skills 4
Limitations on Enrollment: Audition
Provides an opportunity for students to utilize all the performance and choreographic skills used in dance performance, including performing on campus in informal concerts and in a major concert in the college theatre. (Fall, Spring) (Letter Grade Only)

DANC 182 Technical Production Lab
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: THTR 192
Provides an opportunity for students to develop and apply technical expertise and skills utilized in performance including lighting, costuming, set-prop design, construction and publicity. (Fall, Spring) (Letter Grade Only)

DANC 183 Dance Ensemble
3.0 units
Acceptable for credit: Transfer to UC, CSU
Repeatable: 3.00
C-ID Course Number: N/A
Limitations on Enrollment: Audition
Provides the opportunity for career-oriented performers to work with staff and guest artists in the rehearsal and performing experience. Those experiences will include on campus and community outreach performances. As well as a mandatory dance convention or competition held within the semester. (Fall, Spring) (Letter Grade Only)

DANC 185 Intro to Performance Skills
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: N/A
Advisories: ENGL 514 - Writing Skills 4
Limitations on Enrollment: Audition
An introductory skills class in performance techniques. Provides opportunity for students to learn and perfect performing skills used in a dance performance. (Fall, Spring) (Letter Grade Only)

DANC 186 Dance Production
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: N/A
Advisories: ENGL 514 - Writing Skills 4
Limitations on Enrollment: Audition
Provides an opportunity for dance students to learn and use performance skills to mount a major concert. (Fall, Spring, Summer) (Letter Grade Only)

DANC 188 Dance Composition/Choreography II
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: N/A
Limitations on Enrollment: Audition
Prerequisite: DANC 183 - Dance Ensemble
Provides the opportunity for career-oriented choreographers to mount a full length concert piece for on campus theatre, as well as for community outreach performances throughout the semester. This is a lab course. (Fall, Spring) (Letter Grade Only)

DANC 189 Independent Projects in Dance
1.0 - 3.0 units
Acceptable for credit: Transfer CSU
Courses for students capable of independent work who demonstrate the need or desire for additional study beyond the regular curriculum. Enrollment allows students to pursue activities

such as directed field experience, research, or development of skills and competencies under faculty advisement and supervision. Independent projects may be earned in most disciplines. Students wishing to enroll in Independent Projects should contact the appropriate instructor identified in the class schedule. If the project proposed is acceptable to that instructor, a contract will be developed. All contracts for these classes must be completed and submitted to the Records Office no later than the end of the second week of the semester. Units are awarded depending upon satisfactory performance and the amount of time committed by the student to the course. Allowable units vary according to discipline, and are based on the following formula: 1 unit - 48 hours per semester, 2 units - 96 hours per semester, 3 units - 144 hours per semester. (Letter Grade or Pass/No Pass)

DANC 199 Special Topics in Dance Forms
0.5 - 3.0 units
Acceptable for credit: Transfer CSU
Provides an opportunity to explore particular aspects of the discipline which are not covered in detail in the existing program. Course includes public performances; therefore there is a limitation on enrollment based on audition. This is a lab course. (Letter Grade or Pass/No Pass)

DANC 199A Workshop in World Dance
3.0 units
Acceptable for credit: D - Credit - Degree Applicable
Limitations on Enrollment: Audition
Provides an opportunity to explore particular aspects of World Dance which are not Covered in detail in the existing program. Course includes public performances; therefore there is a limitation on enrollment based on audition. This is a lab course. (Letter Grade Only)

DANC 379A Workshop in Contemporary Dance
3.0 units
Acceptable for credit: D - Credit - Degree Applicable
Provides a specific opportunity to explore aspects of contemporary dance which are not covered in detail in the existing program. Course includes public performances; therefore there is a limitation on enrollment based on audition. This is a lab course with offered units based on unit formula. (Letter Grade or Pass/No Pass)

Adults With Disabilities (Noncredit)

DISA 7001A Independent Living Skills
0.0 hours
Acceptable for credit: N - Noncredit
Designed for adults with developmental disabilities, this course improves the student's knowledge of basic skills necessary to function more independently in the home, work, and community environment. These courses are cosponsored by and taught on location at the Vocational Training Center and at Life Options and Vocational Resource Center (LOVARC).

DISA 7002A Vocational Skills Training
0.0 - 225.0 hours
Acceptable for credit: N - Noncredit
Repeatable: 99.00
Designed for adults with developmental disabilities, this course teaches proficiency in foundation skills, workplace competencies, appropriate social behavior, and work habits. (Noncredit)

Drama

DRMA 103 Introduction to Theatre
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: THTR 111
Advisories: eligibility for ENGL 101; or ENGL 100 - Writing in Career/Tech Fields
Explores theatre as an artistic medium for enhancing an understanding of the diversity of the human experience and as a reflection of the development of civilization. This course focuses on the relationship of theatre to various cultures throughout history, and on the contributions of significant individual artists. This course introduces students to elements of the production process including playwriting, acting, directing, design, and criticism. Students will also survey different periods, styles, and genres of theatre through play reading, discussion, films and viewing and critiquing live theatre, including required attendance of theatre productions. (Letter Grade or Pass/No Pass)

DRMA 104 Acting I
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: THTR 151
Advisories: ENGL 514 - Writing Skills 4 ; or READ 110 - Introduction to Critical Reading
This course prepares a student to apply basic acting theory to performance and develops the skills of interpretation of drama through acting. Special attention is paid to skills for performance: doing rather than being, goal attainment (intention), memorization, stage movement vocal production, and interpretation of text. Attendance of a live performance for the purpose of evaluation is required. (Fall, Spring) (Letter Grade or Pass/No Pass)

DRMA 106 Acting II
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: THTR 152
Prerequisite: DRMA 104 - Acting I
This course follows Acting I and continues the exploration of theories and techniques used in preparation for the interpretation of drama through acting. The emphasis will be placed on deepening the understanding of the acting process through character analysis, monologues, and scenes. Attendance of a live performance for the purpose of evaluation is required. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

DRMA 110 History of World Theatre 1
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: THTR 113
Advisories: ENGL 514 - Writing Skills 4 ; or Eligibility for ENGL 101
The study of the history of world theatre from the Origins of Theatre through the 17th Century. The history and development of theatre

and drama are studied in relationship to cultural political and social conditions of the time. Plays are read for an analysis of structure, plot, character and historical relevance. Students undertaking this course on-line will need to purchase access to a web site in addition to the text. (Spring) (Letter Grade or Pass/No Pass)

DRMA 111 History of World Theatre 2

3.0 units

Acceptable for credit: Transfer to UC, CSU
Advisories: Eligibility for ENGL 100 or ENGL 101
The study of the history of world theatre from the Origins of Theatre through the 17th Century. The history and development of theater and drama are studied in relationship to cultural political and social conditions of the time. Plays are read for an analysis of structure, plot, character and historical relevance. (Fall) (Letter Grade or Pass/No Pass)

DRMA 124 Stagecraft

3.0 units

Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: THTR 171
Advisories: MATH 521 - Foundations of Mathematics
An introduction to technical theatre and the creation of scenic elements. Includes basic concepts of design, painting techniques, set construction, set movement, prop construction, backstage organization, and career possibilities. Topics include stage management, lighting, and/or sound techniques. Lecture, reading, projects, and practical experience. (Fall) (Letter Grade or Pass/No Pass)

DRMA 128 Stage Makeup

3.0 units

Acceptable for credit: Transfer CSU
C-ID Course Number: THTR 175
Students will receive instruction and practice in a lecture/laboratory setting in all phases of makeup specifically designed for theatrical use. Various conceptual and technical problems will be studied and solved. This is a lecture/lab course. (Fall, Spring) (Letter Grade or Pass/No Pass)

DRMA 179A Beginning Makeup for Stage/TV

3.0 units

Acceptable for credit: D - Credit - Degree Applicable
This course will offer the student a practical guide to the theory and practice of theatrical makeup. Students will become familiar with the traditional and color theory approaches to makeup. Various conceptual and technical problems will be studied and solved. (A) (Letter Grade Only)

DRMA 189 Independent Projects in Drama

1.0 - 3.0 units

Acceptable for credit: *Transfers to CSU, limited to UC/crd detrmd aftr trnsfr
C-ID Course Number: N/A
Courses for students capable of independent work who demonstrate the need or desire for additional study beyond the regular curriculum. Enrollment allows students to pursue activities such as directed field experience, re-search, or development of skills and competencies under faculty advisement and supervision. Independent projects may be earned in most disciplines. Students wishing to enroll in Independent Projects should contact the appropriate instructor identified in the class schedule. If the project proposed is acceptable to that instructor, a contract will be developed. All contracts for these classes must be completed and submitted to the Records Office no later than the end of the second week of the semester. Students may enroll for any combination (unit value) of Independent Projects 189 and/or 389 for a total of four semesters in a specific discipline. Units are awarded depending upon satisfactory performance and the amount of time committed by the student to the course. Allowable units vary according to discipline, and are based on the following formula: 1 unit - 48 hours per semester 2 units - 96 hours per semester 3 units - 144 hours per semester (GR/P/NP) (Letter Grade or Pass/No Pass)

DRMA 199 Special Topics in Drama

0.5 - 3.0 units

Acceptable for credit: Transfer CSU
Provides an opportunity to explore particular aspects of the discipline which are not covered in detail in the existing program. Twelve units may be applied toward graduation requirements. Course includes public performances; therefore there is a limitation on enrollment based on audition/interview and/or portfolio review. This is a lab course with offered units based on unit formula. (Letter Grade or Pass/No Pass)

DRMA 199A DeLaurier's Curtains

3.0 units

Acceptable for credit: D - Credit - Degree Applicable
This course provides an opportunity to explore particular aspects of the discipline which are not covered in detail in the existing program. (Letter Grade Only)

DRMA 199S Repertory of Noises off and Forever

units

Acceptable for credit:
TBA

DRMA 389 Independent Projects

0.0 units

Acceptable for credit: D - Credit - Degree Applicable
Acceptable for credit: CSU, UC-Determined after admission Courses for students capable of independent work who demonstrate the need or desire for additional study beyond the regular curriculum. Enrollment allows students to pursue activities such as directed field experience, research, or development of skills and competencies under faculty advisement and supervision. Independent projects may be earned in most disciplines. Students wishing to enroll in Independent Projects should contact the appropriate instructor identified in the class schedule. If the project proposed is acceptable to that instructor, a contract will be developed. All contracts for these classes must be completed and submitted to the Records Office no later than the end of the second week of the semester. Students may enroll for any combination (unit value) of Independent Projects 189 and/or 389 for a total of four semesters in a specific discipline. Units are awarded depending upon satisfactory performance and the amount of time committed by the student to the course. Allowable units vary

according to discipline, and are based on the following formula: 1 unit - 48 hours per semester 2 units - 96 hours per semester 3 units - 144 hours per semester (Letter Grade Only)

Economics

ECON 101 Principles of Macro-Economics
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: ECON 202
Prerequisite: MATH 311 - Algebra 1 ; or higher, or eligibility for Math 331 or higher based upon Allan Hancock College's placement policy.
An introduction to aggregate economic analysis. Topics include market systems; economic cycles including recession, unemployment, and inflation; national income accounts; macroeconomics equilibrium; money and financial institutions; monetary and fiscal policy; and international trade and finance. ECON 101 may be taken prior to or concurrently with ECON 102/ ECON 121/BUS 121. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

ECON 102 Principles of Micro-Economics
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: ECON 201
Prerequisite: MATH 311 - Algebra 1 ; or higher, or eligibility for Math 331 or higher based upon Allan Hancock College's placement policy.
An introduction to types of individual economic units. Topics include scarcity, opportunity costs, comparative advantage, supply, demand, elasticity, cost theory, price and output determination under various market structures and factor markets. Related topics such as international trade, public choice, income distribution, externalities and government regulation will also be included. ECON 102 may be taken prior to or concurrently with ECON 101/ ECON 121/BUS 121. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

ECON 121 Business Economics
3.0 units
Acceptable for credit: Transfer CSU
An introduction to basic economic analysis and institutions. Macroeconomic analysis of income, employment, price level, and international trade. Microeconomic analysis of demand, production, competitive and noncompetitive product markets, and factor markets. Emphasis is placed on the applications of economic theory in the business environment. This course is not open to students who are enrolled in or have received credit for BUS 121. May be taken prior to or concurrently with ECON 101 or ECON 102. (Fall, Spring, Summer) (Letter Grade Only)

ECON 130 Consumer and Family Finance
3.0 units
Acceptable for credit: Transfer CSU
Designed to assist individuals and/or those working with individuals to analyze and direct their financial affairs. Elements and concepts of financial planning and decision making in the areas of budgeting, taxes, borrowing, money management, consuming, insurance, investments, retirement, and estate planning will be analyzed with an emphasis on application to changing family needs. This course is not open to students who are enrolled in or have received credit for Business 130 or Family and Consumer Sciences 130. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

ECON 141 Global Economics
3.0 units
Acceptable for credit: Transfer to UC, CSU
Advisories: Completion of or concurrent enrollment in; ECON 101 - Principles of Macro-Economics ; or ECON 102 - Principles of Micro-Economics ; or ECON 121 - Business Economics ; or BUS 121 - Business Economics
An introduction to international economic issues. Explores why countries trade and addresses the consequences of trade restrictions. Alternative exchange rate systems, factors that cause exchange-rate fluctuations, and the determinants of a country's balance of trade are covered. Other topics include the politics of trade policy, the impact of trade on the job market, the role of international debt problems. This course is not open to students who are enrolled in or who have received credit for Business 141. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

Early Childhood Studies

ECS 100 Child Growth and Development
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: CDEV 100
This course examines the major physical, cognitive, social and emotional developmental milestones for children from conception through adolescence. Emphasis will be made on interactions between maturational processes and environmental factors. Students will observe children, evaluate individual differences, and analyze characteristics of development at various stages according to developmental theories. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

ECS 101 Child, Family and Community
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: CDEV 110
The processes of socialization focusing on the interrelationship of family, school, and community. Examines the influence of multiple societal contexts. Explores the role of collaboration between family, community, and schools in supporting children's' development. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

ECS 102 Child Health, Safety and Nutrition
3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: ECE 220
An introduction to the laws, regulations, standards, policies, procedures, and best practices related to health, safety, and nutrition in early childhood settings. Includes prevention strategies, nutrition, and meal planning for various ages and planning educational experiences integrated into daily routines designed to teach children positive health, safety, and nutrition habits. Focus on integrating the concepts into everyday planning and program

development for all children. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

ECS 103 Introduction to Early Childhood

3.0 units

Acceptable for credit: Non-Transferable
C-ID Course Number: N/A
ECS 103 course is a comprehensive introduction to the early childhood studies academic program. This course explores the educational pathways for working with children and families from birth to 8 years of age. The course takes an in-depth look at careers and associated competencies; workforce requirements such as required courses, certifications, and professional development; and personal and professional characteristics required in the field of early childhood care and education. (Summer) (Letter Grade or Pass/No Pass)

ECS 104 Principles and Practices of Teaching Young Children

3.0 units

Acceptable for credit: Transfer CSU
C-ID Course Number: ECE 120
Historical context and theoretical perspectives of developmentally appropriate practice in early care and education. Examines the role of the early childhood educator, identification of best practices for environmental design, curriculum, and teaching strategies. Explores teacher child relationships, professional ethics, career pathways and professional standards. (Fall, Spring) (Letter Grade or Pass/No Pass)

ECS 105 Observation and Assessment

3.0 units

Acceptable for credit: Transfer CSU
C-ID Course Number: ECE 200
Advisories: ECS 149 - Cooperative Work Experience: Occupational Students enrolled in ECS 105 must also be concurrently enrolled in 1.0 unit of ECS 149-Coorperative Work Experience. Concurrent enrollment aligns with local degree program pattern of courses.
Limitations on Enrollment: All students enrolled in ECS 105, ECS 106, ECS 118 or ECS 119 must show proof of their current tuberculosis (TB) clearance and immunization against influenza, pertussis and measles to the ECS program in order to meet the provisions of SB792.
Prerequisite: ECS 100 - Child Growth and Development
This course focuses on the appropriate use of assessment and observation strategies to document development, growth, play and learning for use in collaborative partnerships with families and professionals in promoting children's success. Recording strategies, rating systems, portfolios, and multiple assessment tools are explored. All students enrolled in ECS 105, ECS 106, ECS 118 or ECS 119 must show proof of their current tuberculosis (TB) clearance and immunization against influenza, pertussis and measles to meet the provisions of SB792. Students must be on the waitlist and provide required documentation on the first day of class in order to receive an add code to add the class. For more information, contact the department. (Fall, Spring) (Letter Grade or Pass/No Pass)

ECS 106 Introduction to Early Childhood Curriculum

3.0 units

Acceptable for credit: Transfer CSU
C-ID Course Number: ECE 130
Advisories: ECS 149 - Cooperative Work Experience: Occupational Students enrolled in ECS 105 must also be concurrently enrolled in 1.0 unit of ECS 149-Cooperative Work Experience. Concurrently enrollment aligns with local degree program pattern of courses.
Limitations on Enrollment: All students enrolled in ECS 105, ECS 106, ECS 118 or ECS 119 must show proof of their current tuberculosis (TB) clearance and immunization against influenza, pertussis, and measles to meet the provisions of SB 792.
Prerequisite: ECS 105 - Observation and Assessment
The study of planning and facilitating developmentally appropriate early childhood curriculum and classroom environments. Students will examine the teacher's role in supporting children's development and joy of learning through observation, environment assessment, and implementation of various curriculum activities. Several assignments will require students to work with children in an Early Childhood Center. Students must have completed successfully ECS 105 with a grade of C or better. All students enrolled in ECS 105, ECS 106, ECS 118 or ECS 119 must show proof of their current tuberculosis (TB) clearance and immunization against influenza, pertussis, and measles to meet the provisions of SB 792. Students must be on the waitlist and provide required documentation on the first day of class in order to receive an add code to add the class. For more information, contact the department. (Fall, Spring) (Letter Grade or Pass/No Pass)

ECS 111 Administration I: Programs in Early Childhood Education

3.0 units

Acceptable for credit: Transfer CSU
Prerequisite: ECS 106 - Introduction to Early Childhood Curriculum
Introduction to the administration of early childhood education programs. Students will study the principles and practices in the supervision and administration of various kinds of early care and education programs, including program planning and philosophies, organizational structure, financial management, personnel administration, staff leadership, licensing requirements, accreditation standards, and advocacy for children and families. (Fall) (Letter Grade or Pass/No Pass)

ECS 112 Introduction to Young Children with Disabilities

3.0 units

Acceptable for credit: Transfer CSU
Advisories: ECS 100 - Child Growth and Development
Introduces the variations in development of young children with special needs and the resulting impact on families. Includes an overview of historical and societal influences, laws relating to children with special needs, and the identification and referral process. (S2) (Fall) (Letter Grade or Pass/No Pass)

ECS 113 Curriculum and Strategies for Children with Special Needs

3.0 units

Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Advisories: ECS 100 - Child Growth and Development ; and ECS 112 - Introduction to Young Children with Disabilities
Course covers curriculum and intervention strategies for working with children with special needs in partnership with their families. Focuses on the use of observation and assessment in meeting the individualized needs of children in inclusive and natural environments. Includes the role of the teacher as a professional working with families, collaboration with interdisciplinary teams, and cultural competence. (F2) (Letter Grade or Pass/No Pass)

ECS 114 Parent/Child Relationships

3.0 units

Acceptable for credit: Transfer CSU
Examines socio-cultural and psychological perspectives on parent/child relationships by investigating typical and a typical child-rearing patterns from infancy. Topics include analysis of developmental issues between parents and children, the nature of permanent relationships, and effective models of parental practices. (Fall) (Letter Grade or Pass/No Pass)

ECS 115 Care and Education for Infants and Toddlers

3.0 units

Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Prerequisite: ECS 151 - Infant and Toddler Development
Students will be able to apply current theory and research to the care and education of infants and toddlers in group settings. This course examines essential policies, principles and practices that lead to quality care and developmentally appropriate curriculum for children birth to 36 months. (Spring) (Letter Grade or Pass/No Pass)

ECS 116 Teaching in a Diverse Society

3.0 units

Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: ECE 230
Advisories: ECS 101 - Child, Family and Community
Examines the impact of various societal influences on the development of children’s social identity. Covers developmentally appropriate, inclusive, and anti-bias approaches. Self-examination and reflection on issues related to social identity, stereotypes, and bias will be emphasized. (Fall, Spring) (Letter Grade or Pass/No Pass)

ECS 117 Teaching Strategies for Dual Language Learners

3.0 units

Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Examines demographic characteristics and home, school, and community contexts of young Dual Language Learners and an overview of the role of early childhood professionals in the process of implementing developmentally appropriate education models. (Spring) (Letter Grade or Pass/No Pass)

ECS 118 Practicum: Preschool

3.0 units

Acceptable for credit: Transfer CSU
C-ID Course Number: ECE 210
Limitations on Enrollment: All students enrolled in ECS 105, 106, ECS 118 or ECS 119 must show proof of their current tuberculosis (TB) clearance and immunization against influenza, pertussis and measles to the ECS program to meet the provisions of SB792
Prerequisite: ECS 106 - Introduction to Early Childhood Curriculum
This course requires 75 hours of supervised practicum teaching in the preschool area of the Allan Hancock College Children's Center lab school. The 75 lab hours per term, to be arranged, will average about 4.5 weekly hours for semester length classes, or 10 weekly hours for shorter terms, in which students' work includes, but is not limited to: implementing lesson plans and environments, conducting observations of children, and completing a child assessment. The accompanying lecture focuses on teaching goals and strategies, reflections, insights, accomplishments and challenges specific to working with preschool age children. Students will utilize practical classroom experiences to make connections between theory and practice, develop professional behaviors, and build a comprehensive understanding of children and families. Child centered, play-oriented approaches to teaching, learning assessment, and knowledge of curriculum content areas will be emphasized as student teachers design, implement and evaluate experiences that promote positive development and learning for all young children. No concurrent enrollment is allowed in ECS 118 and ECS 119. Effective August 22nd, 2016 all students enrolled in ECS 106, ECS 118 or ECS 119 must show proof of their current tuberculosis (TB) clearance and immunization against influenza, pertussis and measles to meet the provisions of SB792. Students must be on the waitlist and provide required documentation on the first day of class in order to receive an add code to add the class. For more information contact the department at extension 3401 or 3436. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

ECS 119 Practicum: Infant/Toddler

3.0 units

Acceptable for credit: Transfer CSU
Advisories: ECS 115 - Care and Education for Infants and Toddlers ; ECS 151 - Infant and Toddler Development
Limitations on Enrollment: All students enrolled in ECS 106, ECS 118 or ECS 119 must show proof of their current tuberculosis (TB) clearance and immunization against influenza, pertussis and measles to meet the provisions of SB792. Students must be on the waitlist and provide required documentation on the first day of class in order to receive an add code to add the class.
Prerequisite: ECS 106 - Introduction to Early Childhood Curriculum
This course requires 75 hours per term of supervised practicum teaching in the infant toddler area of the Allan Hancock College Children's Center lab school. The 75 lab hours per term, to be arranged, will average about 4.5 weekly hours for semester

length classes, or 10 weekly hours for shorter terms, in which students' work includes, but is not limited to: implementing lesson plans and environments, conducting observations of children, and completing a child assessment. The accompanying lecture focuses on teaching goals and strategies, reflections, insights, accomplishments and challenges specific to working with infant/toddler age children. Students will utilize practical classroom experiences to make connections between theory and practice, develop professional behaviors, and build a comprehensive understanding of children and families. Child centered, play-oriented approaches to teaching, learning assessment, and knowledge of curriculum content areas will be emphasized as student teachers design, implement and evaluate experiences that promote positive development and learning for all young children. No concurrent enrollment is allowed in ECS 118 and ECS 119. All students enrolled in ECS 105, 106, ECS 118 or ECS 119 must show proof of their current tuberculosis (TB) clearance and immunization against influenza, pertussis and measles to meet the provisions of SB792. Students must be on the waitlist and provide required documentation on the first day of class in order to receive an add code to add the class. For more information contact the department at extension 3401 or 3436. (Fall, Spring) (Letter Grade or Pass/No Pass)

ECS 120 Adult Supervision and Mentoring In Early Childhood Education

2.0 units

Acceptable for credit: Transfer CSU
Prerequisite: ECS 106 - Introduction to Early Childhood Curriculum
Methods and principles of supervising student teachers, volunteers, staff, and other adults in early care and education settings. Emphasis is on the role and development of early childhood professionals as mentors and leaders. (Spring) (Letter Grade or Pass/No Pass)

ECS 122 Positive Child Guidance

3.0 units

Acceptable for credit: Transfer CSU
This course will explore developmentally appropriate guidance and discipline for children from birth through middle childhood. Strategies and techniques for developing and maintaining an encouraging classroom will be studied. The historical perspectives of guidance and discipline will be studied as well as new trends, classroom techniques, and teaching strategies. The roles of family, community, and school in the encouraging classroom and the development of a child's democratic life skills will be explored. (Spring) (Letter Grade or Pass/No Pass)

ECS 123 Achieving Social Justice, Diversity, Equity, and Inclusion in the Classroom

3.0 units

Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: N/A
Prerequisite: ECS 116 - Teaching in a Diverse Society
Examine policies, procedures and preferences for organizational and professional access and equity in the contexts of culture, ethnicity, race, sexual orientation, ability, and gender. Explore aspects of diversity, equity, and inclusion (DEI) as potential assets in creating rich and proactive productive professional environments. Students will then apply the knowledge they gain from these explorations in the classroom setting. (Fall, Spring) (Letter Grade or Pass/No Pass)

ECS 125 Curriculum for School-Age Children

3.0 units

Acceptable for credit: Transfer CSU
Advisories: ECS 100 - Child Growth and Development ; and ECS 101 - Child, Family and Community
A study of the developmental needs, appropriate curriculum, and guidance techniques for children 6 to 12 years old in a child-care setting. This course meets Title 22 curriculum requirements for teachers and directors in extended childcare programs. (F2). (Fall) (Letter Grade or Pass/No Pass)

ECS 130 Exploring Teaching

3.0 units

Acceptable for credit: Transfer to UC, CSU
Advisories: ENGL 101 - Freshman Composition: Exposition
This course introduces concepts and issues related to teaching diverse learners in today’s contemporary public schools. Topics include teaching as a profession and career, contemporary educational issues, California’s content and performance standards and frameworks, and requirements for earning the teaching credential. This course requires a 48 hour structured field experience (3 hours per week to be scheduled) that provides opportunities to observe and work in an educational setting. This course is not open to students who are enrolled in or have completed EDUC 130. (Fall, Spring) (Letter Grade or Pass/No Pass)

ECS 132 Child Identity and Learning

3.0 units

Acceptable for credit: Transfer CSU
Advisories: ECS 100 - Child Growth and Development ; and ENGL 101 - Freshman Composition: Exposition
Child development concepts applied to all aspects of the elementary school age child; special emphasis on literacy development and responsive teacher-child practices, including understanding diverse learning styles, influences of culture and language acquisition. This course requires 3 hours weekly of supervised practicum teaching in the elementary school setting, which are to be scheduled. This course is not open to students who are enrolled in or have completed EDUC 132. (Spring) (Letter Grade Only)

ECS 149 Cooperative Work Experience: Occupational

1.0 - 8.0 units

Acceptable for credit: Transfer CSU
Limitations on Enrollment: To participate in Cooperative Work Experience: (1) students must be working at a job within their major, (2) students must be able to become involved in new or expanded responsibilities on the job, (3) the employer must be willing to cooperate with the college in the supervision and evaluation of the student and (4) the student must attend all coordination/consultation meetings in addition to other work and class responsibilities. NUMBER OF TIMES COURSE CAN BE

REPEATED: Students enrolled in CWE 149 may earn up to 8 units of credit per semester not to exceed 16 units in total. Any units earned in any other Cooperative Work Experience course will be included in the 16 unit maximum. CWE Units Unpaid Placement: 1 unit 60 hours 2 units 120 hours 3 units 180 hours 4 units 240 hours 5 units 300 hours 6 units 360 hours 7 units 420 hours 8 units 480 hours CWE Units Paid Placement: 1 unit 75 hours 2 units 150 hours 3 units 225 hours 4 units 300 hours 5 units 375 hours 6 units 450 hours 7 units 525 hours 8 units 600 hours
Supervised employment extending classroom-based learning on-the-job related learning environment relating to the student's career and educational goals. In addition, these work experiences improve the student's basic work skills and professional competencies by creating career awareness, improving work habits and fostering positive workplace attitudes. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

ECS 150 Administration II: Personnel and Leadership in Early Childhood Education

3.0 units
Acceptable for credit: Transfer CSU
Prerequisite: ECS 106 - Introduction to Early Childhood Curriculum
This course covers effective strategies for personnel management and leadership in early care and education settings. Includes legal and ethical responsibilities, supervision techniques, professional development, and developing strategies for establishing collaboration and communication for a diverse and inclusive early care and education program. (Spring) (Letter Grade or Pass/No Pass)

ECS 151 Infant and Toddler Development

3.0 units
Acceptable for credit: Transfer CSU
A study of infants and toddlers from pre-conception to age three including physical, cognitive, language, social, and emotional growth and development. Applies theoretical frameworks to interpret behavior and interactions between heredity and environment. Course emphasizes the role of family and relationships in development. (Fall) (Letter Grade or Pass/No Pass)

ECS 310 Art for Young Children

0.5 units
Acceptable for credit: D - Credit - Degree Applicable
Advisories: ENGL 513 - Writing Skills 3
Designed to familiarize students with the theories and techniques of creative art for young children. (Spring) (Letter Grade or Pass/No Pass)

ECS 311 Creating Learning Materials

0.5 units
Acceptable for credit: D - Credit - Degree Applicable
Advisories: ENGL 513 - Writing Skills 3
Designed to familiarize students with diverse pedagogical strategies used to create curriculum materials suitable for use with young children. (Spring) (Letter Grade or Pass/No Pass)

ECS 312 Music for Early Childhood Educators

0.5 units
Acceptable for credit: D - Credit - Degree Applicable
Advisories: ENGL 513 - Writing Skills 3
Designed to familiarize students with methods of integrating music activities, such as rhythms, songs, records, and simple musical instruments, into the education of young children. (Spring) (Letter Grade Only)

ECS 313 Science for Young Children

0.5 units
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: N/A
This course is designed to familiarize students with the theories and techniques of teaching Science to young children and provide exploration of principles, methods, and materials for teaching young children Science concepts through discovery and play. (Fall) (Letter Grade or Pass/No Pass)

ECS 314 Engineering and Technology for Young Children

0.5 units
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: N/A
This course is designed to familiarize students with the theories and techniques of teaching engineering and technology to young children, and provide exploration of principles, methods, and materials for teaching young children engineering concepts through discovery and play. (Fall) (Letter Grade or Pass/No Pass)

ECS 315 Math for Young Children

0.5 units
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: N/A
This course is designed to familiarize students with the theories and techniques of teaching Math to young children and provide exploration of principles, methods, and materials for teaching young children math concepts through discovery and play. (Fall) (Letter Grade or Pass/No Pass)

ECS 320 Administration: Staff Leadership

1.0 unit
Acceptable for credit: D - Credit - Degree Applicable
Prerequisite: ECS 105 - Observation and Assessment
Review of effective leadership styles in the administration of Early Childhood Programs that result in improved staff communication and job performances. (Letter Grade or Pass/No Pass)

ECS 321 Administration: Professional Ethics

1.0 unit
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: N/A
Advisories: ECS 100 - Child Growth and Development
Prerequisite: ECS 106 - Introduction to Early Childhood Curriculum
Review of the administrator's ethical responsibilities of children, families, community and society based on the standards recommended by the national Association for the Education of Young Children (NAEYC). (Fall) (Letter Grade or Pass/No Pass)

ECS 322 Administration: Parents as Partners
1.0 unit
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: N/A
Prerequisite: ECS 106 - Introduction to Early Childhood Curriculum
An analysis of set guidelines and strategies for administrators which will focus on the formation of a supportive link between school and home. (Fall) (Letter Grade or Pass/No Pass)

Early Childhood Studies Noncredit

ECSN 7300 Family Childcare Business
9.0 - 15.0 hours
Acceptable for credit: N - Noncredit
Interested in operating a family childcare business? Learn about California licensing procedures, marketing techniques, contracts and fees and other aspects of operating an independently-owned-business. This course is module 1 of 5 needed to complete a noncredit certificate in operating a childcare business. (Satisfactory Progress)

ECSN 7301 Child Health and Safety
18.0 - 30.0 hours
Acceptable for credit: N - Noncredit
Learn about a child's health, safety and nutrition regulations, policies and procedures with hands-on practice in this course designed for individuals interested in family childcare. Obtain the beginning knowledge and basic skills that could help in providing a safe and nurturing environment for children. This course is module 2 of 5 needed to complete a noncredit certificate in operating a childcare business. (Satisfactory Progress)

ECSN 7302 Developmental Needs of a Child
15.0 - 25.0 hours
Acceptable for credit: N - Noncredit
Understanding the development needs of children is important to establishing a child-friendly home daycare setting. Topics covered include children and discipline, culturally inclusive learning environments, inclusion of children with special needs, and age appropriate activities. This course is module three of five needed to complete a noncredit certificate in operating a childcare business. (Satisfactory Progress)

ECSN 7303 Infant and Toddler Care
12.0 - 20.0 hours
Acceptable for credit: N - Noncredit
C-ID Course Number: N/A
Providing quality care for infants and toddlers begins with knowing how to setup appropriate features in the home environment and how to communicate effectively to meet the needs of the children. Learn strategies to build a relationship with the parents and child. This course is module 4 of five needed to complete a noncredit certificate in operating a childcare business. (Satisfactory Progress)

ECSN 7304 Ethics and Business Contracts
15.0 - 25.0 hours
Acceptable for credit: N - Noncredit
C-ID Course Number: N/A
Module five - child care business course teaches students how they can best run their home day care using professional ethics as a guide to build professional relationships, select and maintain staff, interact with parents, maintain contract and other business practices. (Fall, Spring) (Satisfactory Progress)

ECSN 7310 History of Child Development
36.0 - 48.0 hours
Acceptable for credit: N - Noncredit
C-ID Course Number: N/A
This course includes a review of the historical roots of early childhood programs and the evolution of the professional practices promoting advocacy and professional history. (Fall, Spring) (Satisfactory Progress)

ECSN 7311 Guidance and Interaction
18.0 - 30.0 hours
Acceptable for credit: N - Noncredit
C-ID Course Number: N/A
This class will provide basic information regarding the importance of guidance and interactions with children. An exploration of guidance strategies for promoting prosocial behaviors with individual and groups of children. Emphasis on positive guidance principles and techniques, family involvement, and cultural influences. (Fall, Spring) (Satisfactory Progress)

ECSN 7312 The Importance of Play
32.0 - 36.0 hours
Acceptable for credit: N - Noncredit
C-ID Course Number: N/A
This class will provide basic information regarding the importance of play, its function, and relevance to a child's physical, cognitive and psychosocial development. It will also cover topics such as conservation, rough and tumble/war play and developmentally appropriate practices. (Fall, Spring) (Satisfactory Progress)

ECSN 7313 Observation Made Easy
36.0 - 48.0 hours
Acceptable for credit: N - Noncredit
C-ID Course Number: N/A
The course applies observation and assessment skills in evaluating all areas of the child's growth and development. It also includes documentation of child's skills and behaviors. Knowledge of the child's development and learning would provide the framework for curriculum and teaching strategies. (Fall, Spring) (Satisfactory Progress)

ECSN 7314 Assessment and Delivery Systems
15.0 - 25.0 hours
Acceptable for credit: N - Noncredit
C-ID Course Number: N/A
In this course, the student becomes aware of various types of educational programs and delivery systems available to children 0-8 years of age. The student will be exposed to licensing regulations and procedures, the roles and responsibilities of a teacher and the concept of a teaching philosophy and professional ethics in Early Childhood (Fall, Spring) (Satisfactory Progress)

Educational Technologies

EDTC 300 Being A Successful Online Student
1.0 unit
Acceptable for credit: D - Credit - Degree Applicable
This course is designed to prepare students for Distance Learning (DL) courses by covering the differences between the traditional classroom and the DL classroom; teaching students how to anticipate, avoid, and/or solve common DL problems and challenges; presenting practical strategies and approaches to successful DL learning; and providing students with hands-on exercises and activities aimed at familiarizing students with all aspects of a college's learning management system (LMS). (Letter Grade or Pass/No Pass)

Education

EDUC 130 Exploring Teaching
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: EDUC 200
Advisories: English 101; ENGL 101 - Freshman Composition: Exposition
This course introduces concepts and issues related to teaching diverse learners in today's contemporary public schools. Topics include teaching as a profession and career, historical and philosophical foundations of the American Education system, contemporary educational issues, California's content and performance standards and framework, and requirements for earning the teaching credential. This course requires a 48 hour structural field experience (3 hours per week to be scheduled) that provides opportunities to observe and work in an educational setting. This course is not open to students who are enrolled in or have completed ECS 130. (Fall, Spring) (Letter Grade or Pass/No Pass)

EDUC 132 Child Identity And Learning
3.0 units
Acceptable for credit: Transfer CSU
Advisories: ECS 100 - Child Growth and Development ; and ENGL 513 - Writing Skills 3
Child development concepts applied to all aspects of the elementary school age child; special emphasis on literacy development and responsive teacher-child practices, including understanding diverse learning styles, influences of culture and language acquisition. This course requires 3 hours weekly of supervised practicum teaching in the elementary school setting, which are to be scheduled. This course is not open to students who are enrolled in or have completed ECS 132. (S) (Spring) (Letter Grade Only)

EDUC 133 Technology For Educators
3.0 units
Acceptable for credit: Transfer CSU
A study of computing technologies afforded young children in preschool and primary-grade classrooms and how these experiences influence children's cognitive, social and physical development. Curricular criteria and strategies for implementation will be explored. This course is not open to students who are enrolled in or have received credit for Early Childhood Studies 133. (F,S) (Fall, Spring) (Letter Grade or Pass/No Pass)

EDUC 149 Cooperative Work Experience: Occupational
1.0 - 8.0 units
Acceptable for credit: Transfer CSU
Limitations on Enrollment: To participate in Cooperative Work Experience: (1) students must be working at a job within their major, (2) students must be able to become involved in new or expanded responsibilities on the job, (3) the employer must be willing to cooperate with the college in the supervision and evaluation of the student and (4) the student must attend all coordination/consultation meetings in addition to other work and class responsibilities. NUMBER OF TIMES COURSE CAN BE REPEATED: Students enrolled in CWE 149 may earn up to 8 units of credit per semester not to exceed 16 units in total. Any units earned in any other Cooperative Work Experience course will be included in the 16 unit maximum. CWE Units Unpaid Placement: 1 unit 60 hours 2 units 120 hours 3 units 180 hours 4 units 240 hours 5 units 300 hours 6 units 360 hours 7 units 420 hours 8 units 480 hours CWE Units Paid Placement: 1 unit 75 hours 2 units 150 hours 3 units 225 hours 4 units 300 hours 5 units 375 hours 6 units 450 hours 7 units 525 hours 8 units 600 hours
Supervised employment extending classroom-based learning on-the-job related learning environment relating to the student's career and educational goals. In addition, these work experiences improve the student's basic work skills and professional competencies by creating career awareness, improving work habits and fostering positive workplace attitudes. (Letter Grade or Pass/No Pass)

Electronics

EL 104 Introduction to Robotics and Mechatronics
3.0 units
Acceptable for credit: Transfer CSU
An introduction to robotic control applications. Basic electronics including digital, analog, and microcontroller devices, sensors and transducers, and actuators will be emphasized for automation control. Topics include Basic, Assembly and C language programming for robotic control; interfacing of indicators, switches, sensors and transducers; controlling motion and motors; monitoring and measurement of rotation; measuring light, temperature and conductance; application of navigation and measurement techniques; remote control applications; mechanical systems; and the control of frequency and sound. This course is not open to students who are enrolled in or have received credit for CEL 104 or ET 104. (Fall, Spring) (Letter Grade Only)

EL 105 PC Preventive Maintenance and Upgrading
3.0 units
Acceptable for credit: Transfer CSU
Necessary skills and information needed to make an informed purchase, maintain, upgrade, and evaluate personal computer

systems. The student will receive hands-on instruction for performing basic preventive maintenance and the installation of simple upgrades such as adding RAM, installing hard drives, sound cards, etc. Included is the study of soldering techniques, electronic part identification, and safety and system operation. Emphasis will be placed on the student's ability to keep personal computers running at their best performance levels. (Fall, Spring) (Letter Grade Only)

EL 106 Networking Essentials 1

3.0 units

Acceptable for credit: Transfer CSU
Advisories: EL 105 - PC Preventive Maintenance and Upgrading ; and EL 125 - Digital Devices and Circuits
First course in a series designed to provide students with knowledge of and laboratory experiences with current and emerging computer networking technology. Focus will be on LANs, WANs, OSI models, IP addressing, cabling, CompTIA Network +, and network standards; the theory behind the various kinds of network architectures and data transmission methods, and the use of decision-making and problem-solving techniques in applying science, mathematics, and communication concepts to solve networking problems. Instruction and training are provided in the proper care, maintenance, and use of networking software, tools, and equipment. Emphasis will be placed on the Cisco System Certification. Not open to students who have received credit for CS 106. (Fall, Spring) (Letter Grade or Pass/No Pass)

EL 107 Networking Essentials 2

3.0 units

Acceptable for credit: Transfer CSU
Prerequisite: EL 106 - Networking Essentials 1
Second course in a series designed to provide students with knowledge of and laboratory experiences with current and emerging computer networking technology. Focus will be on LANs, WANs, OSI models, IP addressing and router programming; and the theory behind the various kinds of network architectures and data transmission methods including network troubleshooting. Emphasis will be placed on the Cisco System Certification. This course is not open to students who have received credit for CS 107. (Fall, Spring) (Letter Grade or Pass/No Pass)

EL 108 Networking Essentials 3

4.0 units

Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Prerequisite: EL 106 - Networking Essentials 1 ; or EL 107 - Networking Essentials 2
Third course in a series designed to provide students with knowledge of and laboratory experiences with current and emerging computer networking technology. Focus will be on LANs, WANs, OSI models, IP addressing and router programming; and the theory behind the various kinds of network architectures and data transmission methods. Emphasis will be placed on the Cisco System Certification. This course is not open to students who are enrolled in or have received credit for CS 108. (Fall, Spring) (Letter Grade or Pass/No Pass)

EL 118 Fundamentals of DC and AC Circuits Analysis

3.0 units

Acceptable for credit: Transfer CSU
Corequisite: EL 119 - Fundamentals of DC and AC Circuits Analysis Laboratory
An introductory study of the nature of electricity; the processes employed in the analysis and documentation of DC and AC electric circuits, and the use of basic electronics testing instruments. Topics include: current voltage, resistance, power, reactance, admittance, resonance, Ohm's law, series parallel and bridge resistive and reactive circuits, Kirchhoff's voltage and current laws, loading effects of meters and supplies, capacitators, inductors, filters, RC and RL time constants, applications of Kirchhoff laws to multiple source series-parallel circuits, complex numbers, and network theorems. (Fall, Spring) (Letter Grade Only)

EL 119 Fundamentals of DC and AC Circuits Analysis Laboratory

2.0 units

Acceptable for credit: Transfer CSU
Corequisite: EL 118 - Fundamentals of DC and AC Circuits Analysis
Provides the student practical experience for the comprehension of DC and AC electrical concepts introduced in EL 118 (Fundamentals of Circuit Analysis) and also presents the proper use of electronic test instrumentation for the measurement of circuit parameters. (Fall, Spring) (Letter Grade Only)

EL 122 Electronic Devices and Circuits

3.0 units

Acceptable for credit: Transfer CSU
Advisories: Concurrent enrollment in; EL 123 - Electronic Devices and Circuits Laboratory
Prerequisite: EL 118 - Fundamentals of DC and AC Circuits Analysis ; and EL 119 - Fundamentals of DC and AC Circuits Analysis Laboratory
Introductory study of semiconductor devices and systems. A detailed analysis of diodes; bipolar junction translators and field-effect transistors; biasing techniques, active circuits, thyristors and optoelectronic components and linear integrated circuits. (Fall) (Letter Grade Only)

EL 123 Electronic Devices and Circuits Laboratory

2.0 units

Acceptable for credit: Transfer CSU
Advisories: Completion of or concurrent enrollment in EL 122
Prerequisite: EL 118 - Fundamentals of DC and AC Circuits Analysis ; and EL 119 - Fundamentals of DC and AC Circuits Analysis Laboratory
Provides the opportunity for the student to apply theoretical semiconductor concepts in a laboratory environment. Major areas of emphasis include diodes, bipolar junction transistors, field-effect transistors, thyristers, optoelectronic devices, and linear integrated circuits. (Fall) (Letter Grade Only)

EL 125 Digital Devices and Circuits
3.0 units
Acceptable for credit: Transfer CSU
Prerequisite: EL 118 - Fundamentals of DC and AC Circuits Analysis ; and EL 119 - Fundamentals of DC and AC Circuits Analysis Laboratory
Study of modern logic devices, circuits and design techniques emphasizing logic families, implementation of devices, combinational and sequential logic circuits, number systems and codes, A/D and D/A conversion, ALU's, digital computer math techniques, memories, system design and troubleshooting practices. (Letter Grade Only)

EL 126 Digital Devices and Circuits Lab
2.0 units
Acceptable for credit: Transfer CSU
Advisories: Completion of or concurrent enrollment in EL 125
Prerequisite: EL 118 - Fundamentals of DC and AC Circuits Analysis ; and EL 119 - Fundamentals of DC and AC Circuits Analysis Laboratory
Digital electronics laboratory designed to parallel Digital Devices and Circuits (EL 125). Emphasizes device operation in circuits and networks and the proper use of standard digital logic test instruments used in the process of troubleshooting and verifying proper circuit operations. (Fall, Spring) (Letter Grade Only)

EL 128 Introduction to Renewable Energy
3.0 units
Acceptable for credit: Transfer CSU
Prerequisite: CEL 104 - Introduction to Robotics and Mechatronics ; or ET 104 or EL 104
A study of the principles behind energy generation and conversion that can be applied to modern electrical, mechanical, and chemical devices that use or produce power. Special emphasis will be given to the study of electricity as a renewable energy source. This course is not open to students who are enrolled in or have received credit for CEL 128 or ET 128. (Letter Grade Only)

EL 131 Programmable Logic Controllers and Control Design
3.0 units
Acceptable for credit: Transfer CSU
Prerequisite: EL 125 - Digital Devices and Circuits
A study of the purpose and operating features of a programmable logic controller (PLC). Topics include PLC terminology, architecture, input/output modules, memory, commands for internal relays, on/off timers, up/down counters, use of subroutines, program control, and math instructions. Relay schematics, ladder logic diagrams, and programming of logic controllers are emphasized. Sensing devices and time-driven process sequences will be studied and integrated into control systems. This course is not open to students who are enrolled in or have received credit for CEL 131 or ET 131. (Letter Grade Only)

EL 133 Mechatronic Systems 1
3.0 units
Acceptable for credit: Transfer CSU
Prerequisite: CEL 104 - Introduction to Robotics and Mechatronics or EL 104 or ET 104
This is a hands-on mechatronic systems course that focuses on the electromechanical concepts (mechanics, electronic, and programming) of automated systems. Emphasis is placed on how industrial grade sensors and transducers function and upon how they are interfaced into control systems. Study topics include: transducers and sensors for light, heat, motion, pressure, and position control; switching devices; input and output signal conditioning; continuous, closed-loop, and proportional integral derivative process control; and safety. This course is not open to students who have received credit for, or are enrolled in ET 133 or CEL 133. (Letter Grade Only)

EL 135 Electronic Measurement and Instrumentation
3.0 units
Acceptable for credit: Transfer CSU
Advisories: Concurrent enrollment in EL 136 is recommended
Prerequisite: EL 122 - Electronic Devices and Circuits ; and EL 123 - Electronic Devices and Circuits Laboratory ; and EL 125 - Digital Devices and Circuits ; and EL 126 - Digital Devices and Circuits Lab
Designed to familiarize students with operating principles and characteristics of basic electronic testing equipment as well as advanced specialized measuring instruments. Methods of operation and calibration of these devices are covered including an overview of Automated Test Equipment (ATE) systems. (Fall) (Letter Grade Only)

EL 136 Electronics Measurement and Instrumentation Laboratory
2.0 units
Acceptable for credit: Transfer CSU
Corequisite: EL 135 - Electronic Measurement and Instrumentation
Prerequisite: EL 122 - Electronic Devices and Circuits ; and EL 123 - Electronic Devices and Circuits Laboratory ; and EL 125 - Digital Devices and Circuits ; and EL 126 - Digital Devices and Circuits Lab
Provides hands-on laboratory experience for the study and construction of electronic testing instruments. The student is introduced to many different types of testing equipment currently used by the electronics industry. (Fall) (Letter Grade Only)

EL 139 Electrical Power, Motors, and Controls
3.0 units
Acceptable for credit: Transfer CSU
Prerequisite: EL 122 - Electronic Devices and Circuits ; and EL 125 - Digital Devices and Circuits
A study of electronics, signal communication and power technology that support efficient manufacturing processes for various industries. Topics include motors, their drives and controls, power electronics, PLCs, and communications networks used to monitor industrial processes. This course is not open to students who are enrolled in or have received credit for CEL 139 or ET 139. (Letter Grade Only)

EL 146 Electronic Product Design, Fabrication and Documentation
2.0 units

Acceptable for credit: Transfer CSU
A study of product fabrication emphasizing mechatronic applications and designs. Topics include the design process; CADD drawings, schematics, diagrams, and support graphic requirements; printed circuit board layout and population techniques; technical writing; project documentation requirements; surface mount technologies; prototyping; printed circuit board testing, troubleshooting, and final documentation emphasizing hands-on experiences. The use of industry standard computer aided drafting and support software will be studied and utilized in all phases of documentation through camera ready artwork. (Letter Grade Only)

EL 162 Fluid Power And Control
2.0 units
Acceptable for credit: Transfer CSU
An introduction to the generation, control and basic applications of hydraulics and pneumatics force and motion systems. Topics include safety, properties of and forces in liquids, pumps, motors, valves, reservoirs, strainers, filters, accumulators, basic diagramming, system design and troubleshooting. This course is not open to students who are enrolled in or have received credit for CEL 162 or ET 162. (Letter Grade Only)

EL 189 Independent Projects in Electronics
1.0 - 3.0 units
Acceptable for credit: Transfer CSU
Courses for students capable of independent work who demonstrate the need or desire for additional study beyond the regular curriculum. Enrollment allows students to pursue activities such as directed field experience, research, or development of skills and competencies under faculty advisement and supervision. Independent projects may be earned in most disciplines. Students wishing to enroll in Independent Projects should contact the appropriate instructor identified in the class schedule. If the project proposed is acceptable to that instructor, a contract will be developed. All contracts for these classes must be completed and approved by the appropriate dean before the last day of the enrollment. Units are awarded depending upon satisfactory performance and the amount of time committed by the student to the course. Allowable units vary according to discipline, and are based on the following formula: 1 unit - 48 hours per semester 2 units - 96 hours per semester 3 units - 144 hours per semester (Letter Grade Only)

EL 320 A+ Certification
2.5 units
Acceptable for credit: D - Credit - Degree Applicable
Advisories: EL 105 - PC Preventive Maintenance and Upgrading
Computer repair and maintenance with a focus on preparations required for achieving the industry standard CompTIA A+ Certification. The hands-on study includes the A+ Core Test Domains and the Windows/DOS Test Domains. This course is not open to students who have received credit for CS 320. (Letter Grade Only)

EL 332 Wireless Network Administrator
3.0 units
Acceptable for credit: D - Credit - Degree Applicable
A study of the basic concepts and technologies of wireless data networking. Includes basic RF theory, WiFi infrastructure, link budget math, troubleshooting techniques, site survey skills, and security measures. Prepares students to take the CWNA Certification Exam at Prometric Testing Centers. This course is not open to students who have completed or who are currently enrolled in CS 332. (Letter Grade or Pass/No Pass)

EL 333 Introduction to Network Security
2.0 units
Acceptable for credit: D - Credit - Degree Applicable
Prerequisite: EL 106 - Networking Essentials 1
A comprehensive overview of network security. General security concepts, communications security, infrastructure security, basics of cryptography, and operational/organizational security will be covered. Prepares students to take the CompTIA Security+ Certification Exam at Prometric or Vue sites. (Fall, Spring) (Letter Grade Only)

EL 370 SkillsUSA
3.0 units
Acceptable for credit: D - Credit - Degree Applicable
Repeatable: 3.00
SkillsUSA is a partnership of students, teachers and industry working together to ensure America has a skilled workforce. This SkillsUSA course prepares students for employment and inter-collegiate competition in Career Technical Education. Students will learn to plan projects, work in teams, solicit community support and develop a range of skills valued by employers. Students registered for this class may not register for AB 370, ARCH 370, AT 370, ET 370, MT 370 or WLDT 370 during the same semester. Participation in the SkillsUSA competition is required. This course may be repeated up to three times for credit with different competitions. (Fall) (Letter Grade or Pass/No Pass)

English Language Development

ELD 501 Intermediate Grammar
3.0 units
Acceptable for credit: C - Credit - Not Degree Applicable
This course is designed to help students use intermediate grammatical forms in reading, writing, and oral/aural contexts. This course requires one lab hour per week. Student lab work includes, but is not limited to, the following: completion of computer-assisted activities as well as assigned grammar, vocabulary, reading, writing, and listening exercises. Lecture: 3 hours per week. Lab: 1 hour per week. The course is not open to students who received credit for ESL 550. (Fall, Spring, Summer) (Pass/No Pass)

ELD 502 Low Advanced Grammar
3.0 units
Acceptable for credit: C - Credit - Not Degree Applicable
This course is designed to help students understand and use intermediate grammatical forms in reading, writing, and oral/aural contexts. This course requires one lab hour per week. Student lab work includes, but is not limited to the following: completion of computer-assisted activities as well as assigned grammar, vocabulary, reading, writing, and listening exercises. Lecture: 3 hours per week. Lab: 1 hour per week. The course is not open to

students who received credit for ESL 551. (Fall, Spring, Summer) (Pass/No Pass)

ELD 503 Advanced Grammar

3.0 units

Acceptable for credit: C - Credit - Not Degree Applicable

This course is designed to help students understand and use advanced grammatical forms in reading, writing, and oral/aural contexts. This course requires one lab hour per week. Student lab work includes, but is not limited to, the following: completion of computer-assisted activities as well as assigned grammar, vocabulary, reading, writing, and listening exercises. Lecture: 3 hours per week. Lab: 1 hour per week. The course is not open to students who received credit for ESL 552. (Fall, Spring, Summer) (Pass/No Pass)

ELD 511 High Intermediate Conversation

3.0 units

Acceptable for credit: C - Credit - Not Degree Applicable

This course prepares students to understand and speak English at the high intermediate level. In this course, students develop communicative competence by engaging in a variety of listening and speaking activities. Students will participate in interviews, small group discussions, and presentations. The course is not open to students who received credit for ESL 543. (Fall, Spring, Summer) (Pass/No Pass)

ELD 512 Low Advanced Conversation

3.0 units

Acceptable for credit: C - Credit - Not Degree Applicable

This course prepares students to understand and speak English at the low advanced level. In this course, students continue to develop communicative competence by engaging in a variety of listening and speaking activities. Students will participate in interviews, small group discussions, and presentations. The course is not open to students who received credit for ESL 544. (Fall, Spring, Summer) (Pass/No Pass)

ELD 513 Pronunciation

3.0 units

Acceptable for credit: C - Credit - Not Degree Applicable

A pronunciation skills course for all levels of language learners. This course introduces students to Standard American English consonant and vowel sounds, stress, and intonation. Students will practice listening discrimination and production skills at the segmental and suprasegmental levels. The course is not open to students who received credit for ESL 555. (Fall, Spring, Summer) (Pass/No Pass)

ELD 521 High Intermediate Reading

4.0 units

Acceptable for credit: C - Credit - Not Degree Applicable

This course is designed to help high intermediate ESL students develop academic reading skills. Emphasis is on developing reading comprehension, vocabulary, and fluency. Students will read a variety of text types (e.g., short stories, newspaper articles, novels, and nonfiction pieces). This course requires one lab hour per week. Student lab work includes, but is not limited to, the following: completion of computer-assisted activities as well as assigned grammar, vocabulary, reading, writing, and listening exercises. Lecture: 4 hours per week. Lab: 1 hour per week. The course is not open to students who received credit for ESL 537. (Fall, Spring) (Pass/No Pass)

ELD 522 Low Advanced Reading

4.0 units

Acceptable for credit: C - Credit - Not Degree Applicable

This course is designed to help low advanced ESL students develop academic reading skills. Emphasis is on developing reading comprehension, vocabulary, and fluency. Students will read a variety of text types (e.g., short stories, newspaper articles, novels, and nonfiction pieces). This course requires one lab hour per week. Student lab work includes, but is not limited to, the following: completion of computer-assisted activities as well as assigned grammar, vocabulary, reading, writing, and listening exercises. Lecture: 4 hours per week. Lab: 1 hour per week. The course is not open to students who received credit for ESL 540. (Fall, Spring) (Pass/No Pass)

ELD 523 Advanced Reading

3.0 units

Acceptable for credit: D - Credit - Degree Applicable

ELD 523 uses fiction and nonfiction texts to develop reading skills and strategies. The emphasis is on improving reading comprehension and efficiency and helping students become critical readers. This course is not open to students who are enrolled in or have received credit for ELDN, ENGL 312, READ 310, or ESL540. (Fall, Spring) (Pass/No Pass)

ELD 531 High Intermediate Writing

4.0 units

Acceptable for credit: C - Credit - Not Degree Applicable

This course is designed to help high intermediate ESL students develop academic writing skills at the paragraph and short-essay level. Instruction is provided in the following areas: the writing process, sentence structure, vocabulary development, formatting, and mechanics. This course requires one lab hour per week. Student lab work includes, but is not limited to, the following: completion of computer-assisted activities as well as assigned grammar, vocabulary, reading, writing, and listening exercises. Lecture: 4 hours per week. Lab: 1 hour per week. The course is not open to students who received credit for ESL 538. (Fall, Spring) (Pass/No Pass)

ELD 532 Low Advanced Writing

4.0 units

Acceptable for credit: C - Credit - Not Degree Applicable

This course is designed to help low advanced ESL students develop academic writing skills at the short essay level. Instruction is provided in the following areas: the writing process, sentence structure, vocabulary development, formatting, and mechanics. This course requires one lab hour per week. Student lab work includes, but is not limited to, the following: completion of computer-assisted activities as well as assigned grammar, vocabulary, reading, writing, and listening exercises. Lecture: 4 hours per week. Lab: 1 hour per week. The course is not open to students who received credit for ESL 541. (Fall, Spring) (Pass/No Pass)

ELD 533 Advanced Writing
3.0 units
Acceptable for credit: C - Credit - Not Degree Applicable
C-ID Course Number: n/a
Designed to help students critically analyze texts to use in support of a well-organized, thesis-based essay. Improvement in grammar, mechanics, sentence structure, word choice, and usage of outside sources with MLA formatting is also emphasized. (Letter Grade or Pass/No Pass)

Noncredit English Language Development

ELDN 7400 Spanish Literacy 1
84.0 - 102.0 hours
Acceptable for credit: N - Noncredit
Repeatable: 99.00
C-ID Course Number: N/A
This is a low-beginning literacy course that develops Spanish literacy skills. Students learn to recognize and produce letter sounds, and read and write common vocabulary words and basic sentences. English sight words are introduced. This class emphasizes culturally appropriate curriculum. (Satisfactory Progress)

ELDN 7410 Spanish Literacy 2
84.0 - 102.0 hours
Acceptable for credit: C - Credit - Not Degree Applicable
Repeatable: 99.00
C-ID Course Number: N/A
This is a low-beginning literacy course that continues the development of Spanish literacy. Students build upon the reading and writing skills acquired in Spanish Literacy 1. English literacy skills are gradually introduced. This class emphasizes culturally appropriate curriculum. (Satisfactory Progress)

ELDN 7415 Written Driving Test for ELL
12.0 - 18.0 hours
Acceptable for credit: N - Noncredit
Repeatable: 99.00
C-ID Course Number: N/A
Students prepare to take the California written driving test in English by acquiring the essential vocabulary needed to understand the questions and answers. Students learn the procedures for taking the test at the Department of Motor Vehicles (DMV) as well as learn the rules they must obey when driving in California. (Fall, Spring, Summer) (Satisfactory Progress)

ELDN 7420 Newcomer
84.0 - 102.0 hours
Acceptable for credit: N - Noncredit
C-ID Course Number: N/A
This course is intended for students with limited-to-no academic background. Students begin to develop listening, speaking, reading, and writing abilities for life, academic, and career skills. (Fall, Spring, Summer) (Satisfactory Progress)

ELDN 7425 ELD Lab
8.0 - 240.0 hours
Acceptable for credit: N - Noncredit
Repeatable: 99.00
C-ID Course Number: N/A
The course provides self-paced, instructor-guided support using Burlington English software. Students practice listening, speaking, reading, and writing skills. (Fall, Spring, Summer) (Satisfactory Progress)

ELDN 7430 Low Beginning
84.0 - 102.0 hours
Acceptable for credit: N - Noncredit
Repeatable: 99.00
C-ID Course Number: N/A
Students develop listening, speaking, reading, and writing abilities for life, academic, and career skills. This is the beginning ELD course for students who want to learn English. (Fall, Spring, Summer) (Satisfactory Progress)

ELDN 7440 High Beginning
84.0 - 102.0 hours
Acceptable for credit: N - Noncredit
C-ID Course Number: N/A
Students develop listening, speaking, reading, and writing abilities for life, academic, and career skills. This course is intended for students who have earned an SP grade in the Low Beginning course or who have taken the self-guided placement test. (Fall, Spring, Summer) (Satisfactory Progress)

ELDN 7450 Beginning Conversation
28.0 - 48.0 hours
Acceptable for credit: N - Noncredit
C-ID Course Number: N/A
Build your confidence in speaking English! Practice the conversational skills needed in real-life situations and daily tasks. This course focuses on communication, strategies to improve pronunciation, and grammar in context. This course is appropriate for Low Beginning (ELDN 7430) and High Beginning (ELDN 7440) students. (Fall, Spring, Summer) (Satisfactory Progress)

ELDN 7460 Low Intermediate
84.0 - 102.0 hours
Acceptable for credit: N - Noncredit
C-ID Course Number: N/A
Students develop listening, speaking, reading, and writing abilities for life, academic, and career skills. This course is intended for students who have earned an SP grade in the High Beginning course or who have taken the self-guided placement test. (Fall, Spring, Summer) (Satisfactory Progress)

ELDN 7470 High Intermediate
84.0 - 102.0 hours
Acceptable for credit: N - Noncredit
C-ID Course Number: N/A
Students develop high-intermediate listening, speaking, reading, and writing abilities for life, academic, and career skills. This course is intended for students who have earned an SP grade in the Low Intermediate course or who have taken the self-guided placement test. (Fall, Spring, Summer) (Satisfactory Progress)

ELDN 7480 Intermediate Conversation
28.0 - 48.0 hours
Acceptable for credit: N - Noncredit
C-ID Course Number: N/A
Build your confidence in speaking English! Practice the conversational skills needed in real-life situations and daily tasks. This course focuses on communication, strategies to improve pronunciation, and grammar in context. This course is appropriate for Low Intermediate (ELDN 7460) and High Intermediate (ELDN 7470) students. (Fall, Spring, Summer) (Satisfactory Progress)

ELDN 7490 Bridge
84.0 - 102.0 hours
Acceptable for credit: N - Noncredit
C-ID Course Number: N/A
This course is designed for students who want to transition over to credit classes. Emphasis is placed on English fluency in reading, writing, listening, and speaking. This course is intended for students who have earned an SP grade in the High Intermediate course or who have taken the self-guided placement test. (Fall, Spring, Summer) (Satisfactory Progress)

ELDN 7501 Intermediate Grammar
64.0 - 72.0 hours
Acceptable for credit: N - Noncredit
Repeatable: 99.00
This course is designed to help students use basic grammatical forms in reading, writing, and oral/aural contexts. This course requires one lab hour per week. Student lab work includes, but is not limited to, the following: completion of computer-assisted activities as well as assigned grammar, vocabulary, reading, writing, and listening exercises. This is a mirrored course; it is offered at the same time and place as the credit course. Noncredit and credit students take the class together with one instructor and complete the same coursework. No credit is given for this course. (Fall, Spring, Summer) (Satisfactory Progress)

ELDN 7502 Low Advanced Grammar
64.0 - 72.0 hours
Acceptable for credit: N - Noncredit
Repeatable: 99.00
This course is designed to help students understand and use intermediate grammatical forms in reading, writing, and oral/aural contexts. This course requires one lab hour per week. Student lab work includes, but is not limited to the following: completion of computer-assisted activities as well as assigned grammar, vocabulary, reading, writing, and listening exercises. This is a mirrored course; it is offered at the same time and place as the credit course. Noncredit and credit students take the class together with one instructor and complete the same coursework. No credit is given for this course. (Fall, Spring, Summer) (Satisfactory Progress)

ELDN 7503 Advanced Grammar
64.0 - 72.0 hours
Acceptable for credit: N - Noncredit
Repeatable: 99.00
This course is designed to help students understand and use advanced grammatical forms in reading, writing, and oral/aural contexts. This course requires one lab hour per week. Student lab work includes, but is not limited to, the following: completion of computer-assisted activities as well as assigned grammar, vocabulary, reading, writing, and listening exercises. This is a mirrored course; it is offered at the same time and place as the credit course. Noncredit and credit students take the class together with one instructor and complete the same coursework. No credit is given for this course. (Fall, Spring, Summer) (Satisfactory Progress)

ELDN 7511 High Intermediate Conversation
48.0 - 54.0 hours
Acceptable for credit: N - Noncredit
Repeatable: 99.00
This course prepares students to understand and speak English at the high intermediate level. In this course, students develop communicative competence by engaging in a variety of listening and speaking activities. Students will participate in interviews, small group discussions, and presentations. This is a mirrored course; it is offered at the same time and place as the credit course. Noncredit and credit students take the class together with one instructor and complete the same coursework. No credit is given for this course. (Satisfactory Progress)

ELDN 7512 Low Advanced Conversation
48.0 - 54.0 hours
Acceptable for credit: N - Noncredit
Repeatable: 99.00
C-ID Course Number: N/A
This course prepares students to understand and speak English at the low advanced level. In this course, students continue to develop communicative competence by engaging in a variety of listening and speaking activities. Students will participate in interviews, small group discussions, and presentations. This is a mirrored course; it is offered at the same time and place as the credit course. Noncredit and credit students take the class together with one instructor and complete the same coursework. No credit is given for this course. (Fall, Spring, Summer) (Satisfactory Progress)

ELDN 7513 Pronunciation
48.0 - 54.0 hours
Acceptable for credit: N - Noncredit
Repeatable: 99.00
A pronunciation skills course for all levels of language learners. This course introduces students to Standard American English, consonant and vowel sounds, stress, and intonation. Students will practice listening discrimination and production skills at the segmental and suprasegmental levels. (Satisfactory Progress)

ELDN 7521 High Intermediate Reading
80.0 - 90.0 hours
Acceptable for credit: N - Noncredit
Repeatable: 99.00
C-ID Course Number: N/A
This course is designed to help high intermediate ESL students develop academic reading skills. Emphasis is on developing reading comprehension, vocabulary, and fluency. Students will read a variety of text types (e.g., short stories, newspaper articles, novels, and nonfiction pieces). This course requires one lab hour

per week. Student lab work includes, but is not limited to, the following: completion of computer-assisted activities as well as assigned grammar, vocabulary, reading, writing, and listening exercises. Lecture: 4 hours per week. Lab: 1 hour per week. This is a mirrored course; it is offered at the same time and place as the credit course. Noncredit and credit students take the class together with one instructor and complete the same coursework. No credit is given for this course. (Fall, Spring) (Satisfactory Progress)

ELDN 7522 Low Advanced Reading

80.0 - 90.0 hours
Acceptable for credit: N - Noncredit
Repeatable: 99.00
This course is designed to help low advanced ESL students develop academic reading skills. Emphasis is on developing reading comprehension, vocabulary, and fluency. Students will read a variety of text types (e.g., short stories, newspaper articles, novels, and nonfiction pieces). This course requires one lab hour per week. Student lab work includes, but is not limited to, the following: completion of computer-assisted activities as well as assigned grammar, vocabulary, reading, writing, and listening exercises. Lecture: 4 hours per week. Lab: 1 hour per week. This is a mirrored course; it is offered at the same time and place as the credit course. Noncredit and credit students take the class together with one instructor and complete the same coursework. No credit is given for this course. (Satisfactory Progress)

ELDN 7523 Advanced Reading

64.0 - 72.0 hours
Acceptable for credit: N - Noncredit
Repeatable: 99.00
C-ID Course Number: N/A
ELDN 7523 uses fiction and nonfiction texts to develop reading skills and strategies. The emphasis is on improving reading comprehension and efficiency and helping students become critical readers. This course is not open to students who are enrolled in or have received credit for ELD 523, ENGL 312 or READ 310. This is a mirrored course; it is offered at the same time and place as the credit course. Noncredit and credit students take the class together with one instructor and complete the same coursework. No credit is given for this course. (Satisfactory Progress)

ELDN 7531 High Intermediate Writing

80.0 - 90.0 hours
Acceptable for credit: N - Noncredit
Repeatable: 99.00
This course is designed to help high intermediate ESL students develop academic writing skills at the paragraph and short-essay level. Instruction is provided in the following areas: the writing process, sentence structure, vocabulary development, formatting, and mechanics. This course requires one lab hour per week. Student lab work includes, but is not limited to, the following: completion of computer-assisted activities as well as assigned grammar, vocabulary, reading, writing, and listening exercises. Lecture: 4 hours per week. Lab: 1 hour per week. This is a mirrored course; it is offered at the same time and place as the credit course. Noncredit and credit students take the class together with one instructor and complete the same coursework. No credit is given for this course. (Satisfactory Progress)

ELDN 7532 Low Advanced Writing

80.0 - 90.0 hours
Acceptable for credit: N - Noncredit
Repeatable: 99.00
This course is designed to help low advanced ESL students develop academic writing skills at the short essay level. Instruction is provided in the following areas: the writing process, sentence structure, vocabulary, formatting, and mechanics. This course requires one lab hour per week. Student lab work includes, but is not limited to, the following: completion of computer-assisted activities as well as assigned grammar, vocabulary, reading, writing, and listening exercises. Lecture: 4 hours per week. Lab: 1 hour per week. This is a mirrored course; it is offered at the same time and place as a credit course. Noncredit and credit students take the class together with one instructor and complete the same coursework. No credit is given for this course. (Satisfactory Progress)

ELDN 7533 Advanced Writing

48.0 - 54.0 hours
Acceptable for credit: N - Noncredit
C-ID Course Number: n/a
Designed to help students critically analyze texts to use in support of a well-organized, thesis-based essay. Improvement in grammar, mechanics, sentence structure, word choice, and usage of outside sources with MLA formatting is also emphasized. (Letter Grade or Pass/No Pass)

Vocational English Language Development

ELDV 7300 Family Childcare Business

7.0 - 15.0 hours
Acceptable for credit: N - Noncredit
Repeatable: 99.00
C-ID Course Number: N/A
This course is a non-credit class designed to prepare students for establishing a licensed business in Early Child Care and Education. It will combine learning English (including skills in reading, writing, speaking, and listening) while completing the non-credit Family Child Care Businesscourse. Both courses are needed for the certificate. It is designed for students who have successfully completed ELDN 7460 or ELDN 7470 or who have taken the self-guided placement test. (Fall, Spring) (Satisfactory Progress)

ELDV 7301 Child Health and Safety

9.0 - 20.0 hours
Acceptable for credit: N - Noncredit
Repeatable: 99.00
C-ID Course Number: N/A
This course is a noncredit class designed to prepare students for establishing a licensed business in Early Care and Education. This course will cover English and Basic Skills in reading, writing, speaking, and listening while completing the non-credit course and Basic Health, Safety and Nutrition. Both courses are needed for the certificate. It is designed for students who have successfully

completed ELDN 7460 or ELDN 7470 or who have taken the self-guided placement test. (Fall, Spring) (Satisfactory Progress)

ELDV 7302 Developmental Needs of Children

9.0 - 20.0 hours
Acceptable for credit: N - Noncredit
Repeatable: 99.00
C-ID Course Number: N/A
This course is a non-credit class designed to prepare students for establishing a licensed business in the Early Child Care and Education field. This course will cover English and Basic Skills in reading, writing, speaking, and listening while completing the non-credit course Developmental Needs of Children. Both courses are needed for the certificate. It is designed for students who have successfully completed ELDN 7460 or ELDN 7470 or who have taken the self-guided placement test. (Fall, Spring) (Satisfactory Progress)

ELDV 7303 Infant and Toddler Care

9.0 - 20.0 hours
Acceptable for credit: N - Noncredit
Repeatable: 99.00
C-ID Course Number: N/A
This course is a noncredit class designed to prepare students for establishing a licensed business in Early Child Care. It will combine learning English and Basic Skills in reading, writing, speaking, and listening while completing the noncredit course Caring for Infants and Toddlers. Both courses are needed for the certificate. It is designed for students who have successfully completed ELDN 7460 or ELDN 7470 or who have taken the self-guided placement test. (Fall, Spring) (Satisfactory Progress)

ELDV 7304 Ethics and Business Contracts

9.0 - 20.0 hours
Acceptable for credit: N - Noncredit
Repeatable: 99.00
C-ID Course Number: N/A
This course is a non-credit class designed to prepare students for establishing a licensed business in Early Child Care and Education. It will combine learning English and Basic Skills in reading, writing, speaking, and listening while completing the non-credit course Ethics and Business Contracts. Both courses are needed for the certificate. It is designed for students who have successfully completed ELDN 7460 or ELDN 7470 or who have taken the self-guided placement test. (Fall, Spring) (Satisfactory Progress)

ELDV 7310 History of Child Development

18.0 - 36.0 hours
Acceptable for credit: N - Noncredit
Repeatable: 99.00
C-ID Course Number: N/A
This course is designed to prepare non-credit students for success in the credit level Early Child Care Studies field. It will combine learning English and Basic Skills in reading, writing, speaking, and listening while completing the non-credit course History of Child Development. Both courses are needed for the certificate. It is designed for students who have successfully completed ELDN 7460 or ELDN 7470 or who have taken the self-guided placement test. (Satisfactory Progress)

ELDV 7311 Guidance and Interaction

15.0 - 30.0 hours
Acceptable for credit: N - Noncredit
Repeatable: 99.00
C-ID Course Number: N/A
This course is designed to prepare non-credit students for success in the credit level Early Child Care Studies Field. It will combine learning English and Basic Skills in reading, writing, speaking, and listening while completing the non-credit course Guidance and Interactions. Both courses are needed for the certificate. It is designed for students who have successfully completed ELDN 7460 or ELDN 7470 or who have taken the self-guided placement test. (Fall, Spring) (Satisfactory Progress)

ELDV 7312 The Importance of Play

16.0 - 36.0 hours
Acceptable for credit: N - Noncredit
Repeatable: 99.00
C-ID Course Number: N/A
This course is designed to prepare non-credit students for success in the credit level Early Child Care Studies Field. It will combine learning English and Basic Skills in reading, writing, speaking, and listening while completing the non-credit course, The Importance of Play. Both courses are needed for the certificate. It is designed for students who have successfully completed ELDN 7460 or ELDN 7470 or who have taken the self-guided placement test. (Fall, Spring) (Satisfactory Progress)

ELDV 7313 Observation Made Easy

18.0 - 36.0 hours
Acceptable for credit: N - Noncredit
Repeatable: 99.00
C-ID Course Number: N/A
This course is designed to prepare non-credit students for success in the credit level Early Child Care Studies Field. It will combine learning English and Basic Skills in reading, writing, speaking, and listening while completing the non-credit course Observation Made Easy. Both courses are needed for the certificate. It is designed for students who have successfully completed ELDN 7460 or ELDN 7470 or who have taken the self-guided placement test. (Fall, Spring) (Satisfactory Progress)

ELDV 7314 Assessment and Delivery Systems

9.0 - 20.0 hours
Acceptable for credit: N - Noncredit
Repeatable: 99.00
C-ID Course Number: N/A
This course is designed to prepare non-credit students for success in the credit level Early Child Care Studies Field. It will combine learning English and Basic Skills in reading, writing, speaking, and listening while completing the non-credit course Assessments and Delivery Systems. Both courses are needed for the certificate. It is designed for students who have successfully completed ELDN 7460 or ELDN 7470 or who have taken the self-guided placement test. (Fall, Spring) (Satisfactory Progress)

Emergency Medical Services

EMS 102 First Aid and Safety
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: KIN 101
This course provides American Heart Association (AHA) "Heartsaver" first aid/ cardiopulmonary resuscitation (CPR)/ automated external defibrillator (AED) training as a citizen responder in addition to providing Federal Emergency Management Agency (FEMA) Community Emergency Response Team (CERT) training that will prepare the student to deliver basic emergency care during a disaster prior to the arrival of professional emergency responders. Upon successful completion of the course, the student will receive AHA "Heartsaver" first aid/CPR/AED card as well as a FEMA CERT certificate of completion. This course is not open to students who have received credit for Physical Education 102. (Fall, Spring, Summer) (Letter Grade Only)

EMS 130 Principles of Emergency Management
3.0 units
Acceptable for credit: Transfer CSU
An introduction to the fundamentals of the emergency management system. Topics include the four phases of the emergency management cycle, community-focused hazard analysis, and the connection between planning and emergency management. This course is not open to students who have completed or who are enrolled in Fire Technology 130. (Fall, Spring, Summer) (Letter Grade Only)

EMS 134 Internship Seminar
1.0 unit
Acceptable for credit: Transfer CSU
Corequisite: EMS 149 - Work Experience Education ; or WEE 149 - Work Experience Education: Occupational
Provides students with a seminar format to discuss, analyze, and critically evaluate their work-based learning experiences. This forum emphasizes job market information, attitudes, and abilities that facilitate job success; skills necessary for maintaining employment and techniques for enhancing job advancement opportunities. (A) (Fall, Spring) (Pass/No Pass)

EMS 149 Work Experience Education
1.0 - 8.0 units
Acceptable for credit: Transfer CSU
Limitations on Enrollment: To participate in Cooperative Work Experience: (1) students must be working at a job within their major, (2) students must be able to become involved in new or expanded responsibilities on the job, (3) the employer must be willing to cooperate with the college in the supervision and evaluation of the student, and (4) the student must attend all coordination/consultation meetings in addition to other work and class responsibilities. NUMBER OF TIMES COURSE CAN BE REPEATED: Students enrolled in CWE 149 may earn up to 8 units of credit per semester not to exceed 16 units in total. Any units earned in any other Cooperative Work Experience course will be included in the 16 unit maximum. CWE Units Unpaid Placement: 1 unit-60 hours, 2 units-120 hours, 3 units-180 hours, 4 units-240 hours, 5 units-300 hours, 6 units-360 hours, 7 units-420 hours, 8 units-480 hours. CWE Units Paid Placement: 1 unit-75 hours, 2 units-150 hours, 3 units-225 hours, 4 units-300 hours, 5 units-375 hours, 6 units-450 hours, 7 units-525 hours, 8 units-600 hours.
Supervised employment extending classroom-based learning to an on-the-job learning environment relating to the student's career and educational goals. In addition, these work experiences improve the student's basic work skills and professional competencies by creating career awareness, improving work habits, and fostering positive workplace attitudes. (Pass/No Pass)

EMS 199 Special Topics in Emergency Medical Services Training
0.5 - 2.5 units
Acceptable for credit: Transfer CSU
This course satisfies the local, state, or federal requirements for updated and/or mandated training. Basic course or equivalent work experience as appropriate may be required for successful completion of this course. The variable format allows for flexibility of course content to meet the current training needs and provides students with basic and advanced knowledge and skills for continued education. The course is presented in an atmosphere of serious study, using adult learning techniques. (Pass/No Pass)

EMS 300 Introduction to Emergency Medical Services
1.0 unit
Acceptable for credit: D - Credit - Degree Applicable
Advisories: ENGL 514 - Writing Skills 4 or the equivalent
Limitations on Enrollment: Admittance to the program
An exploration of the academic and interpersonal expectations required for successful completion of an entry-level EMS Academy training program as well as graduation requirements and eligibility for admittance to EMS 301. This course is a pre-requisite to EMS 301. (Pass/No Pass)

EMS 301 Emergency Medical Services Academy-1A
6.0 units
Acceptable for credit: D - Credit - Degree Applicable
Repeatable: 99.00
C-ID Course Number: N/A
Advisories: ENGL 514 - Writing Skills 4
Limitations on Enrollment: Admittance to the program
Prerequisite: EMS 300 - Introduction to Emergency Medical Services and completion of or concurrent enrollment in EMS 306; EMS 306 - CPR for Healthcare Providers
This beginning-level academy module meets and exceeds the US Department of Transportation Emergency Medical Technician (EMT) National Standard Curriculum for students desiring eligibility for certification as an EMT in the State of California. State certification as an EMT is mandated as the minimum level of emergency medical training required to work on any ambulance and for most fire departments. A uniform and other related material will be required. Enrollment is done through an application process. This course may be repeated as often as necessary for the purpose of recertification. (Fall, Spring) (Letter Grade Only)

EMS 302 EMS Academy 1B (Advanced)
7.0 units
Acceptable for credit: D - Credit - Degree Applicable
Advisories: Reading level at a minimum of 12th grade level.
Corequisite: ENVT 156 - First Response Operational
Prerequisite: EMS 301 - Emergency Medical Services Academy-1A ; or concurrent enrollment in EMS 301 or Emergency Medical Technician 1 Basic Certification.
This Advanced Academy module prepares the student to apply and expand upon the basic EMT skills introduced in the beginning academy module. Topics include:communication and leadership skills, emergency vehicle operations and driving, patient handling and packaging, assisting paramedic partners, street survival issues, automobile extrication, rope rescue, helicopter safety, hazardous materials, preparing to apply for jobs in related field, medical and trauma based scenarios, and physical fitness and agility training. An academy uniform, gym suit, and related materials will be required. (Fall, Spring) (Letter Grade Only)

EMS 306 CPR for Healthcare Providers
0.5 units
Acceptable for credit: D - Credit - Degree Applicable
Instruction for health-care professionals on cardiopulmonary resuscitation (CPR) and automated external defibrillation techniques according to the current American Heart Association standards. Students successfully completing this course are eligible to purchase an optional American Heart Association Healthcare CPR card. This course may be repeated as necessary to maintain certification. (Fall, Spring, Summer) (Pass/No Pass)

EMS 307 Wilderness EMS - First Responder and Survival
2.5 units
Acceptable for credit: D - Credit - Degree Applicable
Prepares the student to recognize and treat medical emergencies unique to a wilderness or disaster environment. Emphasizes first aid skills and improvisation of emergency equipment. Recommended for emergency responders, outdoor enthusiasts, hikers, and hunters. An hour for hour awarding of CEUs are available for EMT and paramedic. (Fall, Spring) (Letter Grade Only)

EMS 309 Pre-hospital Trauma Life Support (PHTLS)
1.0 unit
Acceptable for credit: D - Credit - Degree Applicable
Presents basic and advanced pre-hospital concepts and skills including rapid assessment of the critical trauma patient, treatment for shock and hypoxemia and rapid transport. Student receives PHTLS certification and 16 hours of CEU's for Emergency Medical Services-1, paramedics and registered nurses. (Fall) (Pass/No Pass)

EMS 310 Child Care First Aid and CPR
0.5 units
Acceptable for credit: D - Credit - Degree Applicable
Presents American Red Cross skills necessary to respond to breathing and cardiac emergencies. Pediatric first aid and injury prevention are also covered. The course meets CCR Title-22/CA EMSA requirements for child care providers. Upon successful completion, students will receive an American Red Cross certification in Adult, Infant, Child CPR (valid for 1 year), and a CA Child Care First Aid certificate (valid for 2 years). (Fall, Spring) (Pass/No Pass)

EMS 319 Emergency Response To Terrorism
3.0 units
Acceptable for credit: D - Credit - Degree Applicable
Enables emergency responders to recognize circumstances and key indicators that may signify a terrorist incident or threat potential. Topics include implementing incident command, self-protective measures, scene security, force protection, and defensive measures associated with biological, nuclear, incendiary, chemical, and explosives incidents. Materials and information relevant to current events on emergency preparedness in terrorist incident management for emergency responders of all disciplines are explored. This course is not open to students who are enrolled in or have received credit for Fire Technology 319. (Pass/No Pass)

EMS 320 Emergency Medical Response to Hazardous Material Incidents
1.0 unit
Acceptable for credit: D - Credit - Degree Applicable
This course meets the requirements for the State of California CSTI hazardous materials First Responder - Awareness certification and the NFPA 473 standards for a Level-1 EMS responder to hazardous material incidents. Course can be used to meet CEU requirements. (Pass/No Pass)

EMS 321 Advanced Cardiac Life Support
1.0 unit
Acceptable for credit: D - Credit - Degree Applicable
Presents advanced cardiac life support care. American Heart Association ACLS certification and sixteen hours for CEUs for Emergency Medical Technicians-1, paramedics, and registered nurses. (Pass/No Pass)

EMS 322 Pediatric Advanced Life Support
1.0 unit
Acceptable for credit: D - Credit - Degree Applicable
Covers pediatric advanced cardiac life support care. Includes American Heart Association PALS certification and 16 hours of CEUs for Emergency Medical Technicians-1, paramedics, and registered nurses. (Spring, Summer) (Letter Grade or Pass/No Pass)

EMS 325 Lifeguard Certification
2.0 units
Acceptable for credit: D - Credit - Degree Applicable
Limitations on Enrollment: American Red Cross requirements for swimming proficiency.
Instruction in the American Red Cross lifeguard training techniques, first aid and CPR skills required to become a poolside or water park lifeguard. Upon successful completion, a student will earn certifications in both American Red Cross Lifeguard Training and CPR for the Professional Rescuer. May be repeated as necessary to maintain certification. (Spring) (Pass/No Pass)

EMS 328 Wilderness/ EMS Wilderness Travel
1.5 units
Acceptable for credit: D - Credit - Degree Applicable
An introduction to safe and effective wilderness travel for recreational backpackers as well as emergency response personnel responding to rescue situations in remote/wilderness areas. CEUs available for EMT-1 and paramedics. (Fall, Spring) (Pass/No Pass)

EMS 337 Wilderness EMS - Aircraft Search Technology and Techniques
2.0 units
Acceptable for credit: D - Credit - Degree Applicable
This course provides basic understanding of the skills required to perform safe and effective aircraft search techniques during a search and rescue operation in a wilderness or remote location. 16 hours of CEU's for Emergency Medical Technician-1 and paramedic are available. (Pass/No Pass)

EMS 338 Land Navigation
2.0 units
Acceptable for credit: D - Credit - Degree Applicable
A study of mapping and GPS skills as applied to fire, Haz-Mat and EMS emergency response. Emphasizes interpreting topographic maps and use of both the compass and GPS device. This course is not open to students who are enrolled in or have received credit for Fire Technology 338 or Environmental Technology 338. (Fall, Spring) (Pass/No Pass)

EMS 350 Wilderness EMS - Essentials of Search and Rescue
3.5 units
Acceptable for credit: D - Credit - Degree Applicable
Presents essential skills required for safe and effective search and rescue (SAR) operations conducted by SAR, emergency medical and law enforcement personnel responding in wilderness and remote areas. Includes scope and responsibility of SAR field personnel, responding safely to wilderness and remote environments, lost person behaviors, tracking and working with K-9 search teams. Includes sixteen hours of CEU's for emergency medical technicans-1 and paramedics. (Pass/No Pass)

EMS 360 Wilderness EMS - Man Tracking 1
0.5 units
Acceptable for credit: D - Credit - Degree Applicable
Develops basic tracking techniques and skills for search and rescue, law enforcement, and emergency medical personnel operating in wilderness and remote areas. Includes tracking and sign cutting techniques tracking equipment, team makeup, maps and GIPS use. POST certified and 8 hours of CEU's for emergency medical technicians-1 and paramedics are available. (Pass/No Pass)

EMS 378 Wilderness/ EMS—EMT Wilderness Transition
2.5 units
Acceptable for credit: D - Credit - Degree Applicable
Prerequisite: EMS 301 - Emergency Medical Services Academy-1A ; and EMS 306 - CPR for Healthcare Providers ; or Current EMT-1 certification and professional rescuer or health care provider CPR certification.
Provides the certified EMT with an understanding of the skills needed to effectively manage an emergency medical response in a remote wilderness area. CEUs available for EMT-1 and paramedics. (Pass/No Pass)

EMS 388 Wilderness EMS - Searching with Canine (K-9) Teams
2.5 units
Acceptable for credit: D - Credit - Degree Applicable
Provides a basic understanding of the canine (K-9) search and rescue team. Basic history and training of search and rescue (SAR) K-9 teams, as well as necessary skills and techniques used to assist the K-9 handler in the wilderness and remote areas, will be covered. (Pass/No Pass)

EMS 401 Emergency Medical Technician 1 (Basic) Refresher
1.5 units
Acceptable for credit: C - Credit - Not Degree Applicable
Prerequisite: EMS 301 - Emergency Medical Services Academy-1A ; and EMS 306 - CPR for Healthcare Providers ; or Valid EMT-1 Basic certification within the past 4 years. NOTE: Approval of equivalent enrollment eligibility is not a guarantee that state regulatory and licensing authorities will also grant equivalencies for licensure for employment purposes.
This class satisfies the requirements set forth by Title 22, Division 9, of the California Code of Regulations for Emergency Medical Technician 1 (Basic) refresher training. This course may be repeated as often as necessary for the purpose of certification. (Fall, Spring, Summer) (Pass/No Pass)

EMS 407 Wilderness EMS – First Responder and Survival Refresher
0.5 units
Acceptable for credit: C - Credit - Not Degree Applicable
Prerequisite: EMS 307 - Wilderness EMS - First Responder and Survival
Satisfies the requirements set forth by Title 22, Division 9 of the California Code of Regulations for Emergency Medical Services. May be repeated as often as necessary for the purposes of certification. (Pass/No Pass)

EMS 409 Prehospital Trauma Life Support (PHTLS) Refresher
0.5 units
Acceptable for credit: C - Credit - Not Degree Applicable
Prerequisite: Current PHTLS Certification
Review of prehospital trauma life support basic and advanced concepts and skills. Student receives PHTLS recertification and eight hours of CEUs for emergency medical technicians-1, paramedics and registered nurses are available. May be repeated as necessary to maintain certification. (Pass/No Pass)

EMS 410 EMT 1 (Basic) Skills Refresher Module A
0.5 units
Acceptable for credit: C - Credit - Not Degree Applicable
A review of anatomy, physiology, and medical legal issues for EMT personnel. Satisfies the requirements set forth by Title 2, Division 9 of the California Code of Regulations for Emergency Medical Services. This course may be repeated as necessary for the purposes of certification. (F,S) (Fall, Spring) (Letter Grade or Pass/No Pass)

EMS 411 EMT 1 (Basic) Skills Refresher Module B
0.5 units
Acceptable for credit: C - Credit - Not Degree Applicable
A review of scene size-up, patient assessment, and medical emergencies. Satisfies the requirements set forth by Title 2, Division 9 of the California Code of Regulations for Emergency Medical Services. This course may be repeated as often as necessary for the purposes of certification. (F,S) (Fall, Spring) (Letter Grade or Pass/No Pass)

EMS 412 EMT-1 (Basic) Skills Refresher Module C
0.5 units
Acceptable for credit: C - Credit - Not Degree Applicable
A review of environmental emergencies and trauma. Satisfies the requirements set forth by Title 2, Division 9 of the California Code of Regulations for Emergency Medical Services. This course may be repeated as often as necessary for the purposes of certification. (Fall, Spring) (Letter Grade or Pass/No Pass)

EMS 413 EMT-1 (Basic) Skills Refresher Module D
0.5 units
Acceptable for credit: C - Credit - Not Degree Applicable
A review of didactic and manipulative skills required for EMT-1 Basic recertification. Satisfies the requirements set forth by Title 2, Division 9 of the California Code of Regulations for Emergency Medical Services. This course may be repeated as necessary for the purposes of certification. (F,S) (Fall, Spring) (Letter Grade or Pass/No Pass)

EMS 414 Advanced Cardiac Life Support (ACLS) Refresher
0.5 units
Acceptable for credit: C - Credit - Not Degree Applicable
Repeatable: 99.00
Prerequisite: EMS 321 - Advanced Cardiac Life Support ; or Current American Heart Association ACLS Certification
Review of cardiac life support care. Student receives American Heart Association ACLS recertification and eight hours of CEUs for emergency medical technicians-1, paramedics and registered nurses are available. May be repeated as necessary to maintain certification. (Pass/No Pass)

EMS 415 Pediatric Advanced Life Support Refresher
0.5 units
Acceptable for credit: C - Credit - Not Degree Applicable
Repeatable: 99.00
Prerequisite: EMS 322 - Pediatric Advanced Life Support ; or Current American Heart Association PALS Certification
Review of pediatric advanced life support care. Student receives American Heart Association PALS recertification and eight hours of CEUs for emergency medical technicians-1, paramedics and registered nurses are available. May be repeated as necessary to maintain certification. (Pass/No Pass)

EMS 461 Medical First Responder Update
0.5 units
Acceptable for credit: C - Credit - Not Degree Applicable
Repeatable: 99.00
Prerequisite: WFT 302 - Basic Incident Command System I-200
Refresher training for first responders to meet CCR, Title 22 mandated training requirements in basic patient care and stabilization at medical emergencies. This course may be repeated as necessary for the purposes of certification. (Pass/No Pass)

Emergency Medical Services Paramedic

EMSP 300 Anatomy and Physiology for Prehospital Personnel
3.0 units
Acceptable for credit: C - Credit - Not Degree Applicable
This course includes basic human anatomy, physiology and medical terminology at the cellular and systemic level designed primarily for the paramedic. However it can be applicable for students in other associated fields that wish to explore the realm of human anatomy and physiology. (Spring, Summer) (Letter Grade Only)

EMSP 323 Paramedic Theory 1
6.0 units
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: N/A
Corequisite: EMS 321 - Advanced Cardiac Life Support ; EMS 322 - Pediatric Advanced Life Support ; EMSP 324 - Paramedic Laboratory 1
Limitations on Enrollment: Current EMT certification and 1000 hours verified experience as an EMT-Basic within the past 3 years.
Prerequisite: EMSP 300 - Anatomy and Physiology for Prehospital Personnel with a minimum grade of C or P grade; or BIOL 124 - Human Anatomy with minimum grade of C or, P grade; and BIOL 125 - Human Physiology with minimum grade of C or, P grade
This course covers the first half of the required theory of the paramedic didactic education and training following the current Department of Transportation National Emergency Education Standards (NEMSES) and California Code of Regulations, Title 22. This includes cognitive content associated with medical emergencies, special populations, and EMS operations. (Fall) (Letter Grade Only)

EMSP 324 Paramedic Laboratory 1
2.0 units
Acceptable for credit: D - Credit - Degree Applicable
Corequisite: EMS 321 - Advanced Cardiac Life Support ; EMS 322 - Pediatric Advanced Life Support ; EMSP 323 - Paramedic Theory 1

Prerequisite: EMSP 300 - Anatomy and Physiology for Prehospital Personnel ; or BIOL 124 - Human Anatomy ; and BIOL 125 - Human Physiology
Provides the skills portion of the current Department of Transportation National Emergency Services Education Standards (NEMSES) and California Code of Regulations, Title 22. This course includes psychomotor skills associated with the assessment and management of medical illnesses in the pre-hospital setting. Includes cardiovascular, respiratory, and special populations. (Fall) (Letter Grade or Pass/No Pass)

EMSP 333 Paramedic Theory 2
4.0 units
Acceptable for credit: D - Credit - Degree Applicable
Corequisite: EMSP 334 - Paramedic Laboratory 2
Prerequisite: EMSP 323 - Paramedic Theory 1 ; EMSP 324 - Paramedic Laboratory 1
This course covers the 2nd half of the required theory of the paramedic didactic education and training following the current Department of Transportation Emergency Education Standards (NEMSES) and California Code of Regulations, Title 22. This course examines blunt and penetrating trauma to the human body. This course identifies the assessment findings of trauma pathophysiology in the development of a field impression and the application of the latest methods of treatment for all types of traumatic injuries. Includes the management of traumatic scene dynamics and safety. (Fall) (Letter Grade or Pass/No Pass)

EMSP 334 Paramedic Laboratory 2
2.0 units
Acceptable for credit: C - Credit - Not Degree Applicable
Corequisite: EMSP 333 - Paramedic Theory 2
Prerequisite: EMSP 323 - Paramedic Theory 1 ; EMSP 324 - Paramedic Laboratory 1
Provides the skills portion of the current Department of Transportation National Emergency Services Education Standards (NEMSES) and California Code of Regulations, Title 22. Includes psychomotor skills associated with: preparatory, anatomy and physiology, pharmacology, airway management, patient assessment, and trauma patient management. (Fall) (Letter Grade or Pass/No Pass)

EMSP 343 Paramedic Clinical Practicum
5.0 units
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: NA
The second phase of paramedic training designed to provide supervised clinical application of cognitive knowledge and skills in acute patient care area for the paramedic student. Opportunities for increasing depth of skill performance and presentation of more advanced skills are provided. (Spring) (Pass/No Pass)

EMSP 353 Paramedic Field Internship
10.0 - 11.0 units
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: NA
The third and final phase of paramedic training 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 (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. (Spring) (Pass/No Pass)

English

ENGL 100 Writing in Career/Tech Fields
4.0 units
Acceptable for credit: Transfer CSU
A writing course designed primarily to meet the needs of students pursuing career and technical programs. Meets the written composition graduation requirement for an AHC associate's degree. Students who plan to transfer to a four-year institution will need to take ENGL 101 instead of this course to meet the university's first-year composition requirement. Readings will be drawn from the disciplines involved so that students master comprehension and critical reading skills in real-world texts. Writing assignments and projects will similarly be based upon the types of critical thinking and analytical writing required in the students' fields of study. Research methods and skills will be emphasized. (Fall, Spring, Summer) (Letter Grade Only)

ENGL 101 Freshman Composition: Exposition
4.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: ENGL 100
Prerequisite: Placement based upon Allan Hancock College's placement policy.
Designed to help students enhance their analytical reading and writing skills using a wide variety of texts. Emphasizes college-level expository essay construction, communication, and research methods leading to the preparation and writing of a research paper. (Fall, Spring, Summer) (Letter Grade Only)

ENGL 102 Freshman Composition Literature
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: ENGL 120
Prerequisite: ENGL 101 - Freshman Composition: Exposition
Introduces the student to the three major types of creative literature: fiction, drama and poetry, with a view to developing greater critical awareness and polishing the writing skills acquired in ENGL 101. (Fall, Spring, Summer) (Letter Grade Only)

ENGL 103 Critical Thinking and Composition
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: ENGL 105
Prerequisite: ENGL 101 - Freshman Composition: Exposition
Designed to fulfill the critical thinking requirement of the Intersegmental General Education Transfer Curriculum. Students will develop critical thinking and reading skills, focusing upon induction, deduction, logical fallacies and close textual analysis. Emphasizes skills application through writing a sequence of argumentative essays. (Fall, Spring, Summer) (Letter Grade Only)

ENGL 104 Technical Writing
3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Prerequisite: ENGL 101 - Freshman Composition: Exposition
Develops written communication skills for industrial, scientific, and technical fields. Emphasis is placed upon audience analysis; technical formats such as reports, summaries, and proposals; collaborative problem solving; research skills; clarity and conciseness of expression. (Summer) (Letter Grade Only)

ENGL 105 Language and Culture
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: ANTH 130
An introduction to the study of language and communication in relation to culture. Focus is on the structure, function and history of language as well as the social, symbolic and practical uses of language. Linguistic concepts, methodologies, and theoretical assumptions will also be explored. This course is not open to students who are enrolled in or have received credit for ANTH 105. (Fall, Spring) (Letter Grade or Pass/No Pass)

ENGL 106 Creative Writing
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: ENGL 200
Prerequisite: ENGL 101 - Freshman Composition: Exposition
An introduction to the writing of fiction and verse, offered as a creative outlet for students who like to write and as a step toward greater writing proficiency. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

ENGL 107 Literary Arts Journal 1
3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
In this course, students will begin the process of creating a literary arts journal. This course will offer hands-on training in creating and editing written and visual texts. Students will work cooperatively and explore the role of social media in the literary arts. The course will offer opportunities for publishing students' original works and is appropriate for students who are interested in publishing their work or the work of others. (Fall) (Letter Grade or Pass/No Pass)

ENGL 108 Literary Arts Journal 2
3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
In this course, students will publish a literary arts journal. They will create and edit written and visual texts while working cooperatively and will use social media to market and publish original creative works. The course is appropriate for students who are interested in publishing their own work or the work of others. (Spring) (Letter Grade or Pass/No Pass)

ENGL 110 Grammar for College and Career
3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
This course provides a comprehensive review of grammar and mechanics for students who want to increase their understanding of the fundamentals of English. Students will learn to recognize grammatical errors in their writing; to reduce the number of misspelled and misused words; and to write clear, correct, and effective sentences. Students may wish to take this course prior to or concurrently with an English composition course. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

ENGL 112 Transfer English Composition Skills
2.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Corequisite: ENGL 101 - Freshman Composition: Exposition
English 112 is designed to provide additional support and practice in academic skills and strategies needed to analyze college-level texts and to write college-level essays. Students are required to enroll in the linked co-requisite English 101 course to take English 112. Students cannot drop English 112 and remain in the ENGL 101 course. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

ENGL 113 Introduction to Critical Reading
3.0 units
Acceptable for credit: Transfer CSU
Advisories: READ 310 - Reading Skills and Strategies or ENGL 312 or ESL 310; or ENGL 513 - Writing Skills 3
English 113 is designed to equip students with effective reading skills for success in college courses. The emphasis is on improving reading comprehension and developing effective text analysis. Students learn to engage successfully a variety of texts to suit different reading purposes; to develop literal, inferential, and critical comprehension skills; and to analyze, synthesize, and evaluate texts from diverse sources. By practicing critical reading, students will also improve their writing skills. This class serves as a prerequisite for English 101. Lecture: 3 hours per week. Lab: 1 hour per week. This course is not open to students who are enrolled in or have received credit for READ 110 or ESL 110. (Fall, Spring) (Letter Grade or Pass/No Pass)

ENGL 117 Detective Fiction
3.0 units
Acceptable for credit: Transfer to UC, CSU
Prerequisite: ENGL 101 - Freshman Composition: Exposition
This course provides a critical and historical study of the literary genre of detective fiction. Students will read representative works by such authors as Doyle, Poe, Hammett, Christie, Chandler, Himes, and McDonald. This course will encompass a variety of fiction selections covering an introduction to the popular literary genre and its origins and growth over the last two centuries. Topics may include the conventions of the form, the elements of fiction, critical thinking applied to solving crimes, and the ethical problems raised in the works under discussion. (Letter Grade or Pass/No Pass)

ENGL 118 Women in Literature
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: N/A

Prerequisite: ENGL 101 - Freshman Composition: Exposition
This course provides a critical and historical study of literature written in English by culturally diverse women authors. The course focuses on novels, short stories, poems, plays, and/or essays written by and/or about women, and explores the particular cultural, historical, political and social issues which have influenced women and society. (Letter Grade or Pass/No Pass)

ENGL 119 California Literature

3.0 units
Acceptable for credit: Transfer to UC, CSU
Prerequisite: ENGL 101 - Freshman Composition: Exposition
This transfer-level literature course surveys the origins of California literature to the present and will encompass a broad spectrum of voices. Students will explore California's diversity; students will understand and will think critically about their own ideas, beliefs, and assumptions; and students will examine a variety of literary forms (including novels, short stories, letters, poems, plays, and narratives) as representative of California's history and literature. Topics may include literary movements, conventions of genres, and literary elements such as plot, characterization, theme, and setting. The course is designed to sharpen students' reading, writing, and critical thinking skills with special attention to close reading (analysis and criticism). (Letter Grade or Pass/No Pass)

ENGL 130 American Literature to 1865

3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: ENGL 130
Prerequisite: ENGL 101 - Freshman Composition: Exposition
Surveys American writers and literary movements through 1865. Either one or both semesters of American Literature partially fulfill the humanities requirement of the GE for California State Universities and the University of California. (Fall) (Letter Grade or Pass/No Pass)

ENGL 131 American Literature 1865 to Present

3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: ENGL 135
Prerequisite: ENGL 101 - Freshman Composition: Exposition
Surveys American writers and literary movements from 1865 to present. Either one or both semesters of American Literature partially fulfill the humanities requirement of the GE for California State Universities and the University of California. ENGL 130 is not a prerequisite to this course. (Spring, Summer) (Letter Grade or Pass/No Pass)

ENGL 132 Literature and Film

3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: N/A
Prerequisite: ENGL 101 - Freshman Composition: Exposition
Techniques of literary and film criticism and application of those techniques to films and the literary works inspired them. Emphasis is given to the critical analysis of the transformations that occur when literary forms are adapted for the screen. (Spring) (Letter Grade or Pass/No Pass)

ENGL 133 Modern Fiction

3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: N/A
Prerequisite: ENGL 101 - Freshman Composition: Exposition
Designed to increase student understanding and enjoyment of modern fiction through a study of selected works by 20th century authors. Selections may vary from semester to semester. English 133 has no geographical boundaries, but includes works by American and English authors, as well as works in translation. (Summer) (Letter Grade or Pass/No Pass)

ENGL 135 Introduction to Poetry

3.0 units
Acceptable for credit: Transfer to UC, CSU
Prerequisite: ENGL 101 - Freshman Composition: Exposition
Introduces the study of poetry with emphasis on appreciation, understanding, and interpretation through a critical examination of a variety of poets and poems. (Spring) (Letter Grade or Pass/No Pass)

ENGL 137 Children's Literature

3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Prerequisite: ENGL 101 - Freshman Composition: Exposition
A study of poetry, folk and fairy tales, fiction, non-fiction and realistic works for children. Emphasis is on exploring modes for bringing this literature to child audiences. (Spring) (Letter Grade or Pass/No Pass)

ENGL 138 Introduction to Shakespeare

3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: N/A
Prerequisite: ENGL 101 - Freshman Composition: Exposition
Introduction to Shakespeare in which a number of major works are read, with close attention to language, structure, and historical content. (Spring) (Letter Grade or Pass/No Pass)

ENGL 139 Ideas of Difference in Contemporary American Literature

3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: N/A
Prerequisite: ENGL 101 - Freshman Composition: Exposition
Primarily through the study of literature, this course explores the ways in which ideas about race, ethnicity, gender, sexuality, class, and disability have shaped American identities and influenced the course of 20th/21st century American cultural history. Emphasis on contemporary American cultural texts (novel, autobiography, poetry, journalism, memoir, online multimedia, and/or drama; film and/or documentary), although lectures and other class materials will link contemporary culture historical themes or developments. (Spring) (Letter Grade or Pass/No Pass)

ENGL 140 Graphic Novel as Literature

3.0 units
Acceptable for credit: Transfer to UC, CSU

C-ID Course Number: N/A
Prerequisite: ENGL 101 - Freshman Composition: Exposition
This class will examine the emergence of the graphic novel, from the comics of the 1920s, the super hero novels of the 1950s, anime and manga to the current crop of diverse novels gone graphic. It will look at the multicultural nature of the novels, with new novels being produced in a variety of countries; and its subversive intentions. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

ENGL 144 Literature: The Ancient and Classical World

3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: N/A
Prerequisite: ENGL 101 - Freshman Composition: Exposition
An examination of the ancient epics and classical literature of Mesopotamia, Greece, and Rome. Representative readings will include the Epic of Gilgamesh, The Iliad, The Odyssey, Genesis, Antigone, The Aeneid, and Marcus Aurelius Meditations. (Fall) (Letter Grade or Pass/No Pass)

ENGL 145 British Literature to 1800

3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: ENGL 160
Prerequisite: ENGL 101 - Freshman Composition: Exposition
A study of the major British writers in the 14th century to the beginning of the Romantic Period around 1800. The course covers the major works of such writers as Chaucer, Shakespeare and Milton, with emphasis on their continuing capacity to talk to us today. (Fall) (Letter Grade or Pass/No Pass)

ENGL 146 British Literature 1800 to Present

3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: ENGL 165
Prerequisite: ENGL 101 - Freshman Composition: Exposition
A study of the major British writers since 1800. The course covers selected plays, novels, poems and essays from the outstanding writers of the Romantic and Victorian periods and of the 20th century, including Wordsworth, Shelley, Keats, Browning, Conrad, Yeats, Joyce and Eliot. ENGL 145 is not a prerequisite to this course. (Spring) (Letter Grade or Pass/No Pass)

ENGL 148 Hispanic Literature in Translation

3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: N/A
Prerequisite: ENGL 101 - Freshman Composition: Exposition
An introduction to contemporary Hispanic literature in translation. Readings from Latin America, as well as Hispanic writers in the United States, have been selected. Course will focus on the themes and symbols characteristic of such literature. Cultural differences will be explored. Students will read selected works both critically and analytically. Films and other media may be included. (Fall) (Letter Grade or Pass/No Pass)

ENGL 150 Asian Pacific American Literature and Cultural Expression

3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Prerequisite: ENGL 101 - Freshman Composition: Exposition
Informed by conceptual frameworks, such as institutional oppression, immigrant survivalism, racial, gender and sexual identity, this course analyzes the cultural expressions and literature written by American authors of Asian and Pacific Island descent, ranging from China, Japan, Korea, India, South East Asia, Micronesia, Polynesia and other islands. Course material will encompass the literary and cultural achievements represented in a variety of genres, including memoir, fiction, poetry, drama, ethnographic studies, graphic novels, film, and others, and will present a mosaic of stories representative of the Asian Pacific Island Desi American (APIDA) experience. This course is not open to students who are enrolled in or who have received credit for ES 150. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

ENGL 151 Ethnic Studies in Black and African American Literature and Cultural Expression

3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: N/A
Prerequisite: ENGL 101 - Freshman Composition: Exposition
Critical examination of Black histories, cultures, intellectual traditions, lived experiences, and racial and social justice struggles within literary texts, including oral traditions, poetry, essays, drama, novels, and other genres. Focus is placed on the particular and collective roles of Black writers and thinkers in the shaping and development of culture and literature within U.S. society with emphasis on the intersectionalities of race, gender, class, sexual identity, and interethnic relations. This course is not open to students who are enrolled in or who have received credit for ES 151. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

ENGL 152 Ethnic Studies in Latina/o Literature and Cultural Expression

3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: NA
Prerequisite: ENGL 101 - Freshman Composition: Exposition
Informed by the intersectionality of race, socioeconomic class, and gender; institutional racism and historic oppression; and borderland identity politics, this course critically examines historical, cultural, sociopolitical, and aesthetic attributes of Latina/o and Chicana/o literature and cultural production. Students will analyze contemporary and classic texts including memoir, fiction, poetry, film, essays, and other visual-verbal expressions with an emphasis on recognizing and affirming plural identities and advocating social justice and equity. This course is not open to students who are enrolled in or have received credit for ES152. (Letter Grade or Pass/No Pass)

ENGL 153 Ethnic Studies in Native American Literature and Cultural Expression

3.0 units

Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: N/A
Prerequisite: ENGL 101 - Freshman Composition: Exposition
Informed by conceptual frameworks such as sovereignty, survivance, gender and sexuality, and intellectual trade, this course's analyses of literature and cultural expression will account for the Native American response to historical, political, and legal contexts, with emphasis on the specific religious, linguistic, historical, political and cultural context of Native American literary and cultural achievements. Focus is placed on the particular and collective roles of Native American writers and thinkers in the shaping and development of culture and literature within North America with emphasis on the intersectionalities of race, gender, class, sexual identity, and interethnic relations. This course is not open to students who have enrolled in or who have received credit for ES 153. (Letter Grade or Pass/No Pass)

ENGL 179 Experimental Courses in English

0.5 - 3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
This course is designed to test new curriculum before adopting it as part of an academic program. It meets specific needs in the college and community as they are identified. Each class will carry a specific title relating to the discipline concerned. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

ENGL 180 Harry Potter and Realms of the Fantastic

3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: N/A
Prerequisite: ENGL 101 - Freshman Composition: Exposition
This course provides a critical and scholarly study of the Harry Potter series and its literary inspirations. It will explore the world of Potter-related literature as a genre (including the book series, scholarly articles, films, poetry, fan response texts, memes, art and more). The course will also explore the ways in which the series acts as a commentary on social and political issues and how the series holds up a mirror to historic events as well as navigates and reflects ongoing issues. This course will explore the ongoing issues of censorship and these novels. The course will encourage discussion on such issues as gender, race, class, technology, warfare, ethics, family, religion, myth, and heroism in the texts. This course will include critical thinking, literary analysis, and analysis of how this series of books has become a social cultural phenomenon. Students may also explore the influence of medieval legends and the hero's journey to analyze the series and to contextualize the series. (Letter Grade or Pass/No Pass)

ENGL 189 Independent Projects

1.0 - 3.0 units
Acceptable for credit: Transfer CSU
Courses for students capable of independent work who demonstrate the need or desire for additional study beyond the regular curriculum. Enrollment allows students to pursue activities such as directed field experience, research, or development of skills and competencies under faculty advisement and supervision. Independent projects may be earned in most disciplines. Students wishing to enroll in Independent Projects should contact the appropriate instructor identified in the class schedule. If the project proposed is acceptable to that instructor, a contract will be developed. All contracts for these classes must be completed and submitted to the Records Office no later than the end of the second week of the semester. Students may enroll for any combination (unit value) of Independent Projects 189 and/or 389 for a total of four semesters in a specific discipline. Units are awarded depending upon satisfactory performance and the amount of time committed by the student to the course. Allowable units vary according to discipline, and are based on the following formula: 1 unit - 48 hours per semester 2 units - 96 hours per semester 3 units - 144 hours per semester (Letter Grade or Pass/No Pass)

ENGL 306 Writing Lab

0.5 units
Acceptable for credit: D - Credit - Degree Applicable
Corequisite: Enrollment in any Allan Hancock College credit course. Not open to students enrolled in English 511, 512, 513, or 514.
Provides students with individualized writing practice with computer-assisted strategies. Not open to students enrolled in English 300, 501 or any other English course with a lab component. (Fall, Spring, Summer) (Pass/No Pass)

ENGL 307 Writing Across the Curriculum 1

0.5 units
Acceptable for credit: D - Credit - Degree Applicable
This course provides students with instructor-guided individualized writing practice focused on structure and organization. Not open to students currently enrolled in English 511, 512, 513, 514. (Fall, Spring) (Pass/No Pass)

ENGL 312 Reading Skills and Strategies

3.0 units
Acceptable for credit: D - Credit - Degree Applicable
English 312 uses fiction and nonfiction texts to develop reading skills and strategies. The emphasis is on improving reading comprehension and efficiency and helping students become critical readers. This course is not open to students who are enrolled in or have received credit for READ 310 or ESL 310. (Fall, Spring) (Pass/No Pass)

ENGL 510 Improving Reading Comprehension

4.0 units
Acceptable for credit: C - Credit - Not Degree Applicable
Designed to introduce students to reading skills necessary for success in college. Emphasis is on improving reading comprehension and developing vocabulary. This course is not open to students who are enrolled in or have received credit for READ 510 or ESL 510. (Fall, Spring) (Pass/No Pass)

ENGL 511 Writing Skills 1

4.5 units
Acceptable for credit: C - Credit - Not Degree Applicable
C-ID Course Number: N/A
This course provides instruction in basic writing, reading, sentence, and vocabulary skills. It is designed for students whose skills have been assessed at four levels below transfer, based on

the statewide CB21 Coding of English courses sponsored by the Basic Skills Initiative. In this course, students summarize and respond to text, compose and develop paragraphs, explore basic sentence patterns, and increase vocabulary. Successful completion of this course advances students into Writing Skills 2. This course requires two lab hours per week that are scheduled, in which students' work includes, but is not limited to, completion of computer-assisted activities and assigned writing, reading, vocabulary, and grammar exercises. (Fall, Spring) (Pass/No Pass)

ENGL 512 Writing Skills 2
4.5 units
Acceptable for credit: C - Credit - Not Degree Applicable
C-ID Course Number: N/A
Advisories: READ 510 - Improving Reading Comprehension
Prerequisite: ENGL 511 - Writing Skills 1
This course provides instruction in basic writing, reading, language, and critical thinking skills. It is designed for students whose skills have been assessed at three levels below transfer, based on the statewide CB21 Coding of English courses sponsored by the Basic Skills Initiative. In this course, students identify key parts of text, apply the writing process to assignments and proofread for errors in their writing. This course requires two lab hours per week that are to be arranged, in which students' work includes, but is not limited to, completion of computer-assisted activities and assigned writing, reading, vocabulary, and grammar exercises. (Fall, Spring) (Pass/No Pass)

ENGL 513 Writing Skills 3
4.5 units
Acceptable for credit: C - Credit - Not Degree Applicable
C-ID Course Number: N/A
Advisories: READ 310 - Reading Skills and Strategies
Prerequisite: ENGL 512 - Writing Skills 2
This course provides instruction in basic writing, reading, sentence, and vocabulary skills. It emphasizes writing as process and the relationship between reading and writing skills in composition. It is designed for students whose skills have been assessed at two levels below transfer, based on the statewide CB21 Coding of English courses sponsored by the Basic Skills Initiative. This course requires two lab hours per week that are to be arranged, in which students' work includes, but is not limited to, completion of computer-assisted activities and assigned writing, reading, vocabulary, and grammar exercises. (Fall, Spring) (Pass/No Pass)

ENGL 514 Writing Skills 4
4.5 units
Acceptable for credit: C - Credit - Not Degree Applicable
C-ID Course Number: N/A
Advisories: READ 110 - Introduction to Critical Reading
Prerequisite: ENGL 513 - Writing Skills 3
This course provides instruction in writing and reading, and in sentence, vocabulary, and critical thinking skills. Students analyze written and visual texts, with emphasis on close reading and written response. Students who complete this course satisfactorily will be prepared to read college-level texts and write academic essays required at the transfer level. This course is designed for students whose skills have been assessed at one level below transfer, based on the statewide CB21 Coding of English courses sponsored by the Basic Skills Initiative. This course requires two lab hours per week that are to be arranged, in which students' work includes, but is not limited to, completion of computer-assisted activities and assigned writing, reading, vocabulary, and grammar exercises. (Fall, Spring) (Letter Grade or Pass/No Pass)

ENGL 595 Accelerated Reading and Writing Skills
4.5 units
Acceptable for credit: C - Credit - Not Degree Applicable
Prerequisite: Placement based on START process
This course is open to any student who places below English 101. It is a demanding course that uses college level material to teach critical reading, thinking and writing skills according to student need. Students who pass this course are eligible for English 101. (Letter Grade or Pass/No Pass)

Engineering

ENGR 100 Introduction to Engineering
1.0 unit
Acceptable for credit: Transfer to UC, CSU
Advisories: ENGL 514 - Writing Skills 4 or eligibility for ENGL 101
This course provides an overview of the engineering profession and educational path in order for students to evaluate engineering as a career choice. The course is also applicable for science, mathematics and architecture majors. The engineering branches are introduced, along with their relationships to science and other fields of study. The education process and strategies for engineering and science students to reach their full academic potential are explored. Course topics include professional duties, responsibilities, employment opportunities, the engineering design process and problem solving. Students will develop a study plan and research technical topics. Guest speakers include working engineers and university representatives. (Fall, Spring) (Letter Grade or Pass/No Pass)

ENGR 124 Excel for Science and Engineering
1.0 unit
Acceptable for credit: Transfer CSU
Prerequisite: MATH 181 - Calculus 1
An introduction to Excel as used in science and engineering. Students use math operations, functions, statistics and graphs to analyze and display data and to differentiate and integrate. Basic application problems are solved. (Fall) (Pass/No Pass)

ENGR 126 MATLAB for Science and Engineering
1.0 unit
Acceptable for credit: Transfer to UC, CSU
Prerequisite: MATH 181 - Calculus 1
An introduction to Matlab as used in science and engineering. Students create and manipulate matrices, program script, and m-files; generate 2-d and 3-d plots; and solve ODEs. Basic application problems are solved. (Spring) (Pass/No Pass)

ENGR 152 Statics
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: ENGR 130

Prerequisite: MATH 182 - Calculus 2 ; and PHYS 161 - Engineering Physics 1
A first course in engineering mechanics: properties of forces, moments, couples and resultants; two- and three-dimensional force systems acting on engineering structures in equilibrium; analysis of trusses, and beams; distributed forces, shear and bending moment diagrams, center of gravity, centroids, friction, and area and mass moments of inertia. Optional additional topics include fluid statics, cables, Mohr's circle and virtual work. (Fall) (Letter Grade Only)

ENGR 154 Dynamics
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: ENGR 230
Prerequisite: ENGR 152 - Statics ; and MATH 182 - Calculus 2
Fundamentals of kinematics and kinetics of particles and rigid bodies. Topics include kinematics of particle motion; Newton's second law, work-energy and momentum methods; kinematics of planar motions of rigid bodies; work-energy and momentum principles for rigid body motion; Introduction to mechanical vibrations (optional). (Spring) (Letter Grade Only)

ENGR 156 Strength of Materials
4.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: ENGR 240
Prerequisite: ENGR 152 - Statics
This course is a study of stresses, strains and deformations associated with axial, torsional and flexural loading of bars, shafts and beams, as well as pressure loading of thin-walled pressure vessels. The course also covers stress and strain transformation, Mohr’s Circle, ductile and brittle failure theories, and the buckling of columns. Statically indeterminate systems are also studied. (Spring) (Letter Grade Only)

ENGR 161 Materials Science
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: ENGR 140B
Advisories: concurrent enrollment in ENGR 162
Prerequisite: PHYS 161 - Engineering Physics 1 ; and CHEM 150 - General Chemistry 1
This course presents the internal structures and resulting behaviors of materials used in engineering applications, including metals, ceramics, polymers, composites, and semiconductors. The emphasis is upon developing the ability both to select appropriate materials to meet engineering design criteria and to understand the effects of heat, stress, imperfections, and chemical environments upon material properties and performance. (Fall) (Letter Grade Only)

ENGR 162 Materials Science Lab
1.0 unit
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: ENGR 140B
Corequisite: ENGR 161 - Materials Science or prior completion of ENGR 161
Prerequisite: PHYS 161 - Engineering Physics 1 ; and CHEM 150 - General Chemistry 1
Laboratory to parallel ENGR 161. This course is the experimental exploration of the connections between the structure of materials and materials properties. Laboratories provide opportunities to directly observe the structures and behaviors discussed in the lecture course (ENGR 161), to operate testing equipment, to analyze experimental data, and to prepare reports. (Fall) (Letter Grade Only)

ENGR 170 Electric Circuit Analysis
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: ENGR 260
Advisories: concurrent enrollment in ENGR 171
Corequisite: MATH 184 - Linear Algebra/Differential Equations or previous completion.
Prerequisite: PHYS 163 - Engineering Physics 3
An introduction to the analysis of electrical circuits. Use of analytical techniques based on the application of circuit laws and network theorems. Analysis of DC and AC circuits containing resistors, capacitors, inductors, dependent sources, operational amplifiers, and/or switches. Natural and forced responses of first and second order RLC circuits; the use of phasors; AC power calculations; power transfer; and energy concepts. Most engineering majors are required to complete the associated course (ENGR 171); the laboratory course should be taken concurrently. (Spring) (Letter Grade Only)

ENGR 171 Electric Circuit Lab
1.0 unit
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: ENGR 260L
Corequisite: MATH 184 - Linear Algebra/Differential Equations ; ENGR 170 - Electric Circuit Analysis or prior completion of ENGR 170
Prerequisite: PHYS 163 - Engineering Physics 3
An introduction to the construction and measurement of electrical circuits. Basic use of electrical test and measurement instruments including multimeters, oscilloscopes, power supplies, and function generators. Use of circuit simulation software. Interpretation of measured and simulated data based on principles of circuit analysis for DC, transient, and sinusoidal steady-state (AC) conditions. Elementary circuit design. Practical considerations such as component value tolerance and non-ideal aspects of laboratory instruments. Construction and measurement of basic operational amplifier circuits. The associated lecture course (ENGR 170) should be taken concurrently. (Spring) (Letter Grade Only)

Entrepreneurship

ENTR 101 Intro to Entrepreneurship
3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Students will embark on one of the most exciting adventures ever known: launching a business. This course identifies the methods for developing a business idea, starting a business, acquiring

resources, and writing a business plan. (Fall, Spring) (Letter Grade or Pass/No Pass)

ENTR 102 Entrepreneurship Projects
3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Students will work with a local entrepreneur to identify business challenges and will develop strategies to solve a business problem(s). A written and oral presentation will be made to the entrepreneur. (Fall) (Letter Grade or Pass/No Pass)

Environmental Technology

ENVT 101 Introduction Environmental Health and Occupational Safety
3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
An introduction to environmental and occupational laws, regulations, and methods, leading to the practical aspects of protecting the environment, maintaining the health and safety of individuals in the workplace while assuring sustainability. The course examines systematic approaches to preventing or reducing risks of harm through gathering information and drawing conclusions based on measurable evidence or data. Students are encouraged to concurrently enroll in ENVT 111. (Fall) (Letter Grade Only)

ENVT 111 Introduction to Environmental Health and Safety Laboratory
1.0 unit
Acceptable for credit: Transfer CSU
C-ID Course Number: n/a
Prerequisite: ENVT 101 - Introduction Environmental Health and Occupational Safety concurrent enrollment in ENVT 101.
This course is designed to provide supplemental exercises to topics covered in the Introduction to Environmental Health and Safety (ENVT 101). Lab will include population growth and impacts to natural resources, air pollution modeling, eutropication, water quality, risk assessment and analysis. (Letter Grade Only)

ENVT 150 Hazardous Materials General Site Worker – 40 Hr.
2.0 units
Acceptable for credit: Transfer CSU
Designed to facilitate employer compliance with mandated federal and/or state HAZWOPER General Site Worker training requirements. (Spring) (Letter Grade Only)

ENVT 151 Hazardous Materials-Site Supervisor
1.0 unit
Acceptable for credit: Transfer CSU
Prerequisite: ENVT 150 - Hazardous Materials General Site Worker – 40 Hr. ; or Hazardous Waste Operations and Emergency Response (29CCR1910.120/8CCR5194) - 40 Hour training or equivalent as determined by the Coordinator, Environmental Health and Safety program. NOTE: Approval of equivalent enrollment eligibility is not a guarantee that state regulatory and licensing authorities will also grant equivalency for licensure or employment purposes.
Specialized hazardous waste operations management training including employer's safety and health program, employee training programs, personal protective equipment program, spill containment program, and health hazard monitoring procedures and techniques (Title 8 CCR 5192). Advances the HAZWOPER-General Site Worker trained person to the Site Supervisor level. (Spring) (Letter Grade or Pass/No Pass)

ENVT 152 Identification and Assessment of Hazardous Materials
3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
A comprehensive introduction to the nature of hazardous materials, includes the principles and mechanics of toxicology as applied to the environment and/or chemical properties and characteristics pertaining to hazardous materials. (Spring) (Letter Grade or Pass/No Pass)

ENVT 153 Industrial Safety
1.0 unit
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Provides the skills necessary to recognize and prevent health hazards in the workplace. Topics include industrial ventilation, electrical safety, lock-out-tag-out, blood-borne pathogens, powered industrial trucks, and accidental "root cause" investigation. Overviews of OSHA "Injury and Illness Prevention Program" (IIPP), "Hazard Communication Program", and hazard assessment requirements are presented. (Fall) (Letter Grade or Pass/No Pass)

ENVT 154 Monitoring and Sampling
2.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Hazardous substance monitoring and sampling training includes devices calibration requirements, data interpretation, and "chain of custody". Provides students with the practical knowledge to recognize and interpret chemical identification utilizing monitoring equipment and technical references. (Fall) (Letter Grade or Pass/No Pass)

ENVT 155 Respiratory Protection—Administration
0.5 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Basic administrative principles and techniques for establishing and maintaining a respiratory protection program in accordance with 8 CCR 5144 and 29 CFR 1910.134. Students learn to critically analyze and determine appropriate respiratory protection and the associated sanitizing, inspection, and maintenance of respiratory protective equipment to develop and apply a respiratory protection program. (Fall) (Letter Grade or Pass/No Pass)

ENVT 156 First Response Operational
1.0 unit
Acceptable for credit: Transfer CSU
Repeatable: 30.00
C-ID Course Number: N/A
Designed to prepare the student to respond to a hazardous materials incident in a safe, defensive and competent manner within the existing resources and to prevent exposures to nearby persons, property and environments. Meets OSHA requirements under Title 8 CCR 5192 and 29 CFR 1910.120. (Fall, Spring) (Letter Grade or Pass/No Pass)

ENVT 157 First Aid for HAZMAT Workers
1.5 units
Acceptable for credit: Transfer CSU
Prepares the student to recognize medical emergencies that could occur at work sites involving hazardous materials. Emphasizes basic first aid skills needed to medically support HAZMAT work activities and to treat injuries and illnesses until trained emergency response personnel arrive on the scene. (Fall) (Letter Grade or Pass/No Pass)

ENVT 158 Hazardous Waste Minimization and Emissions Reduction
1.0 unit
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Presents principles of waste reduction and cleaner production processes to reduce chemical and raw material losses, manufacturing costs, and waste generation. Provides students with practical techniques for initiating or expanding pollution prevention programs. (Spring) (Letter Grade or Pass/No Pass)

ENVT 159 Hazardous Materials and Hazardous Waste Permitting
1.0 unit
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Examination of laws, regulations and policies at federal, state, and local levels covering the proper management of hazardous substances from generation to disposal. Includes in-depth examination of state hazardous waste control law requirements on Certified Unified Program Agency (CUPA) regulations for facilities permitting and site management. (Fall) (Letter Grade or Pass/No Pass)

ENVT 160 Air and Water Pollution Permitting Compliance
2.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Presents fundamental principles of air and water pollution prevention. Emphasizes the systematic assessment methods of identifying discharges to air and water and the permitting processes that are designed to minimize air and water pollution. (Spring) (Letter Grade or Pass/No Pass)

ENVT 199 Special Topics in ENVT
0.5 - 2.5 units
Acceptable for credit: Non-Transferable
This course satisfies local, state or federal requirements for updated and/or mandated training. Basic course or equivalent work experience as appropriate may be required for successful completion of this course. The variable format allows for flexibility of course content to meet specialized training needs and provides students with knowledge and skills for employment or continued employment in environmental health and safety sectors. Topics will be offered as necessary to maintain currency with environmental health and safety training standards. (Fall, Spring) (Letter Grade or Pass/No Pass)

ENVT 450 HAZWOPER - Refresher 8hr.
0.5 units
Acceptable for credit: C - Credit - Not Degree Applicable
Repeatable: 35.00
C-ID Course Number: N/A
Designed to facilitate employer compliance with regulation (29CFR1910.1209(e)(8), 8CCR5192(e)(8)) requirements, for annual Hazardous Waste Operations and Emergency Response (HAZWOPER) general site worker training. (Spring) (Letter Grade or Pass/No Pass)

ENVT 454 Respiratory Protection/QNFT
0.5 units
Acceptable for credit: C - Credit - Not Degree Applicable
A review of the general requirements of respiratory protection regulations, respirator use, limitations and care of respirators, and respirator quantitative fit testing. Designed to facilitate employer compliance with state and federal respiratory protection regulations. (Letter Grade or Pass/No Pass)

ENVT 455 Respirator QNFT/Train the Trainer
1.0 unit
Acceptable for credit: C - Credit - Not Degree Applicable
Provides Occupational Safety Officers/Respiratory Protection Program Administrators with regulatory updates and skills necessary to conduct respirator quantitative fit testing (QNFT). Not open to students who are enrolled in or who have completed FT 359 Respirator QNFT/Train the Trainer. (Letter Grade or Pass/No Pass)

ENVT 456 FRO Refresher
0.5 units
Acceptable for credit: C - Credit - Not Degree Applicable
Designed to facilitate employer compliance with mandated federal and/or state First Responder Operations (FRO) training requirements (29 CFR 1910.120 and 8CCR5192 subpart (q).) (Spring) (Letter Grade or Pass/No Pass)

ENVT 457 FRO Decontamination
0.5 units
Acceptable for credit: C - Credit - Not Degree Applicable
A course designed to advance the first responder's awareness to decontamination procedures. (Fall, Spring) (Pass/No Pass)

Ethnic Studies

ES 101 Race and Ethnic Relations
3.0 units
Acceptable for credit: Transfer to UC, CSU
A survey and analysis of ethnic groups and their relations in the United States including the stratification systems, prejudice, and discrimination. This course is not open to students who are enrolled in or have received credit for SOC 120. (Fall, Spring) (Letter Grade or Pass/No Pass)

ES 105 Race and Ethnicity in Fashion
3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Fashion and race in the context of social, cultural, and environmental influences in the US. A focus is place on members of historically racialized groups in the US including Native American, African American, and/or Latino American communities who are active producers and consumers of apparel. Apparel and textiles will be critically examined with attention to racial formation discourses as they relate to ethnicity, race, nation, class, culture, social moments, environmental-health disparities, and policy. (Letter Grade or Pass/No Pass)

ES 107 Indigenous People of California
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: N/A
A survey of California's Indigenous cultures from the earliest archaeological evidence to the present. Topics explored include political and social organizations, subsistence practices, worldviews, expressive culture, technology and the historic impact on these peoples by European and American cultures. This course is not open to students who are enrolled in or have received credit for ANTH 107. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

ES 120 Chicano History
3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
A historical survey of the Chicano residing in the southwest United Sates. The course provides an interdisciplinary survey of the Mexican American/Chicano heritage with emphasis on the contemporary experience in the United States. The course will include an analysis of the economic, political, social, and intellectual elements of the culture of the Mexican American/ Chicano community, and a study of the changing relationship of the community to the general society of the United States. This course is not open to students who are enrolled in or have received credit for HIST 120. (Fall, Spring, Summer) (Letter Grade or Pass/ No Pass)

ES 121 African American History
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: N/A
This is a survey of the history of African Americans from their origins in Africa to the present covering the political, cultural, social, and economic experiences of African Americans. Students will encounter the social, economic, and legal institutions which characterized being black in the United States at various periods in the nation's history. Topics include African civilization, slavery, the Diaspora, abolition, reconstruction, segregation, Harlem Renaissance, Civil Rights Movement, African Americans in politics, and race in Modern America. This course is not open to students who are enrolled in or have received credit for HIST 121. (Fall, Spring) (Letter Grade or Pass/No Pass)

ES 122 Race and Representation in American Cinema
3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
In recent years, motion pictures have contributed greatly to the ongoing dialog surrounding issues of race in the United States. That said, American cinema's history is populated with examples of exclusionist and racist practices that have disproportionately marginalized people of color. This course will look closely at the evolving portrayal and participation of African Americans, Asian Americans, Latina and Latino Americans, and Native Americans over the one hundred and twenty years of American cinema. This course will highlight the important work of filmmakers of color engaged in the struggle for justice and equality in representation. This course is not open to students who are enrolled in or have received credit for FILM 122. (Letter Grade or Pass/No Pass)

ES 150 Asian Pacific American Literature and Cultural Expression
3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: n/a
Prerequisite: ENGL 101 - Freshman Composition: Exposition
Informed by conceptual frameworks, such as institutional oppression, immigrant survivalism, racial, gender and sexual identity, this course analyzes the cultural expressions and literature written by American authors of Asian and Pacific Island descent, ranging from China, Japan, Korea, India, South East Asia, Micronesia, Polynesia and other islands. Course material will encompass the literary and cultural achievements represented in a variety of genres, including memoir, fiction, poetry, drama, ethnographic studies, graphic novels, film, and others, and will present a mosaic of stories representative of the Asian Pacific Island Desi American (APIDA) experience. This course is not open to students who are enrolled in or who have received credit for ENGL 150. (Letter Grade or Pass/No Pass)

ES 151 Ethnic Studies in Black and African American Literature and Cultural Expression
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: NA
Prerequisite: ENGL 101 - Freshman Composition: Exposition
Critical examination of Black histories, cultures, intellectual traditions, lived experiences, and racial and social justice struggles

within literary texts, including oral traditions, poetry, essays, drama, novels, and other genres. Focus is placed on the particular and collective roles of Black writers and thinkers in the shaping and development of culture and literature within U.S. society with emphasis on the intersectionalities of race, gender, class, sexual identity, and interethnic relations. This course is not open to students who are enrolled in or who have received credit for ENGL151. (Letter Grade or Pass/No Pass)

ES 152 Ethnic Studies in Latina/o Literature and Cultural Expression

3.0 units

Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: N/A
Prerequisite: ENGL 101 - Freshman Composition: Exposition
Informed by the intersectionality of race, socioeconomic class, and gender; institutional racism and historic oppression; and borderland identity politics, this course critically examines historical, cultural, sociopolitical, and aesthetic attributes of Latina/o and Chicana/o literature and cultural production. Students will analyze contemporary and classic texts including memoir, fiction, poetry, film, essays, and other visual-verbal expressions with an emphasis on recognizing and affirming plural identities and advocating social justice and equity. This course is not open to students who are enrolled in or have received credit for ENGL152. (Letter Grade or Pass/No Pass)

ES 153 Ethnic Studies in Native American Literature and Cultural Expression

3.0 units

Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: N/A
Prerequisite: ENGL 101 - Freshman Composition: Exposition
Informed by conceptual frameworks such as sovereignty, survivance, gender and sexuality, and intellectual trade, this course's analyses of literature and cultural expression will account for the Native American response to historical, political, and legal contexts, with emphasis on the specific religious, linguistic, historical, political and cultural context of Native American literary and cultural achievements. Focus is placed on the particular and collective roles of Native American writers and thinkers in the shaping and development of culture and literature within North America with emphasis on the intersectionalities of race, gender, class, sexual identity, and interethnic relations. This course is not open to students who have enrolled in or who have received credit for ENGL153. (Letter Grade or Pass/No Pass)

English As A Second Language

ESL 110 Introduction to Critical Reading

3.0 units

Acceptable for credit: Transfer CSU
Advisories: READ 310 - Reading Skills and Strategies or ENGL 312 or ESL 310; or ENGL 513 - Writing Skills 3
ESL 110 is designed to equip students with effective reading skills for success in college courses. The emphasis is on improving reading comprehension and developing effective text analysis. Students learn to engage successfully a variety of texts to suit different reading purposes; to develop literal, inferential, and critical comprehension skills; and to analyze, synthesize, and evaluate texts from diverse sources. By practicing critical reading, students will also improve their writing skills. This class serves as a prerequisite for English 101. Lecture: 3 hours per week. Lab: 1 hour per week. This class is not open to students who are enrolled in or have received credit for READ 110 or ENGL 113. (Fall, Spring) (Letter Grade or Pass/No Pass)

ESL 510 Improving Reading Comprehension

4.0 units

Acceptable for credit: C - Credit - Not Degree Applicable
Designed to introduce students to reading skills necessary for success in college. Emphasis is on improving reading comprehension and developing vocabulary. This course is not open to students who are enrolled in or have received credit for READ 510 or ENGL 510. (Fall, Spring) (Pass/No Pass)

ESL 572 Public Speaking for ESL

3.0 units

Acceptable for credit: C - Credit - Not Degree Applicable
Advisories: ELD 512 - Low Advanced Conversation
Designed to help students better organize their ideas and improve their ability to speak standard American English. Oral communication skills and language fluency are improved through group and individual speaking activities and assignments. (Fall, Spring) (Pass/No Pass)

Engineering Technology

ET 100 Computer Aided Drafting and Design

3.0 units

Acceptable for credit: Transfer to UC, CSU
An introduction to computer-aided drafting and design (CADD) which covers operation of a computer graphics terminal (specifically AutoCAD) to create, modify, delete, transfer, and plot graphic files used to produce complete engineering drawings. This course is not open to students who are enrolled in or have received credit for ARCH 100. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

ET 104 Introduction to Robotics and Mechatronics

3.0 units

Acceptable for credit: Transfer CSU
An introduction to robotic control applications. Basic electronics including digital, analog, and microcontroller devices, sensors and transducers, and actuators will be emphasized for automation control. Topics include Basic, Assembly and C language programming for robotic control; interfacing of indicators, switches, sensors and transducers; controlling motion and motors; monitoring and measurement of rotation; measuring light, temperature and conductance; application of navigation and measurement techniques; remote control applications; mechanical systems; and the control of frequency and sound. This course is not open to students who are enrolled in or have received credit for CEL 104 or EL 104. (Fall, Spring) (Letter Grade Only)

ET 117 Print Reading and Interpretation

3.0 units

Acceptable for credit: Transfer CSU
An introductory class where students will learn to read engineering drawings, evaluate print specifications, recognize orthographic views and visualize the actual objects or projects shown in the illustration. This course is not open to students who are enrolled in or have received credit for, AB 330, AT 330, ET 330, MT 330, or AT/AB/MT 117. (Fall, Spring) (Letter Grade or Pass/No Pass)

ET 128 Intro to Renewable Energy

3.0 units

Acceptable for credit: Transfer CSU
Prerequisite: CEL 104 - Introduction to Robotics and Mechatronics ; or EL 104 or ET 104
A study of the principles behind energy generation and conversion that can be applied to modern electrical, mechanical, and chemical devices that use or produce power. Special emphasis will be given to the study of electricity as a renewable energy source. This course is not open to students who are enrolled in or have received credit for EL 128 or CEL 128. (Letter Grade Only)

ET 131 Programmable Logic Controllers and Control Design

3.0 units

Acceptable for credit: Transfer CSU
Prerequisite: EL 125 - Digital Devices and Circuits
A study of the purpose and operating features of a programmable logic controller (PLC). Topics include PLC terminology, architecture, input/output modules, memory, commands for internal relays, on/off timers, up/down counters, use of subroutines, program control, and math instructions. Relay schematics, ladder logic diagrams, and programming of logic controllers are emphasized. Sensing devices and time-driven process sequences will be studied and integrated into control systems. This course is not open to students who are enrolled in or have received credit for CEL 131 or EL 131. (Letter Grade Only)

ET 133 Mechatronic Systems 1

3.0 units

Acceptable for credit: Transfer CSU
Prerequisite: CEL 104 - Introduction to Robotics and Mechatronics or EL 104 or ET 104
This is a hands-on mechatronic systems course that focuses on the electro-mechanical concepts (mechanics, electronic, and programming) of automated systems. Emphasis is placed on how industrial grade sensors and transducers function and upon how they are interfaced into control systems. Study topics include: transducers and sensors for light, heat, motion, pressure, and position control; switching devices; input and output signal conditioning; continuous, closed-loop, and proportional integral derivative process control; and safety. This course is not open to students who have received credit for or are enrolled in CEL 133 or EL 133. (Letter Grade Only)

ET 139 Electrical Power, Motors, and Controls

3.0 units

Acceptable for credit: Transfer CSU
Prerequisite: EL 122 - Electronic Devices and Circuits ; and EL 125 - Digital Devices and Circuits
A study of electronics, signal communication and power technology that support efficient manufacturing processes for various industries. Topics include motors, their drives and controls, power electronics, PLCs, and communications networks used to monitor industrial processes. This course is not open to students who are enrolled in or have received credit for CEL 139 or EL 139. (Letter Grade Only)

ET 140 Engineering Drawing

3.0 units

Acceptable for credit: Transfer CSU
Prerequisite: ET 100 - Computer Aided Drafting and Design
The principles and application of engineering drawing, including orthographic projections, freehand sketching, pictorial drawings, engineering lettering, dimensioning, sections, auxiliary, surface finish, standard and geometric tolerancing, threads, and fasteners are the core of this course. A computer aided drafting system (CAD) will be used extensively by the student to complete the requirements of this course. (Fall) (Letter Grade Only)

ET 145 Advanced Engineering Drawing

3.0 units

Acceptable for credit: Transfer CSU
Prerequisite: ET 140 - Engineering Drawing
Use of advanced technical drawing techniques on a CADD system to solve design component problems requiring details and assemblies. The course covers freehand sketching to develop ideas, fabrication and working drawings dimensioned to ANSI standards, including tolerances, title blocks, change orders, symbols and notes. Use of handbooks, ordinances, codes, selection of hardware and materials will be incorporated in each student's individual project. (Spring) (Letter Grade or Pass/No Pass)

ET 160 Digital Tools in Architecture

3.0 units

Acceptable for credit: Transfer CSU
Advisories: ARCH 111 - Architectural Graphics and Design I
Introduces computer design and presentation skills for architecture students. Topics include image editing, page layout and 3D modeling. This course is not open to students who are enrolled in or have received credit for Architecture 160. (Fall, Spring) (Letter Grade or Pass/No Pass)

ET 162 Fluid Power and Control

2.0 units

Acceptable for credit: Transfer CSU
An introduction to the generation, control and basic applications of hydraulics and pneumatics force and motion systems. Topics include safety, properties of and forces in liquids, pumps, motors, valves, reservoirs, strainers, filers, accumulators, basic diagramming, system design and troubleshooting. This course is not open to students who are enrolled in or have received credit for CEL 162 or EL 162. (Letter Grade Only)

ET 189 Independent Projects in Engineering Technology

1.0 - 3.0 units

Acceptable for credit: Transfer CSU

Courses for students capable of independent work who demonstrate the need or desire for additional study beyond the regular curriculum. Enrollment allows students to pursue activities such as directed field experience, search or development of skills and competencies under faculty advisement and supervision. Independent Projects may be earned in most disciplines. Students wishing to enroll in Independent Projects should contact the appropriate instructor identified in the class schedule. If the project proposed is acceptable to that instructor, a contract will be issued no later than the end of the second week of the semester. Units are awarded depending upon satisfying performance and the amount of time committed by the students to the course. Allowable units vary according to discipline, and are based on the following formula: 1 unit - 48 hours per semester 2 units - 96 hours per semester 3 units - 144 hours per semester (Letter Grade or Pass/No Pass)

ET 370 SkillsUSA
3.0 units
Acceptable for credit: D - Credit - Degree Applicable
Repeatable: 3.00
SkillsUSA is a partnership of students, teachers and industry working together to ensure America has a skilled workforce. This SkillsUSA course prepares students for employment and inter-collegiate competition in Career Technical Education. Students will learn to plan projects, work in teams, solicit community support and develop a range of skills valued by employers. Students registered for this class may not register for AB 370, ARCH 370, AT 370, EL 370, MT 370 or WLDT 370 during the same semester. Participation in the SkillsUSA competition is required. This course may be repeated up to three times for credit with different competitions. (Letter Grade or Pass/No Pass)

ET 389 Independent Projects
0.0 units
Acceptable for credit: D - Credit - Degree Applicable
Acceptable for credit: CSU, UC-Determined after admission
Courses for students capable of independent work who demonstrate the need or desire for additional study beyond the regular curriculum. Enrollment allows students to pursue activities such as directed field experience, research, or development of skills and competencies under faculty advisement and supervision. Independent projects may be earned in most disciplines. Students wishing to enroll in Independent Projects should contact the appropriate instructor identified in the class schedule. If the project proposed is acceptable to that instructor, a contract will be developed. All contracts for these classes must be completed and submitted to the Records Office no later than the end of the second week of the semester. Students may enroll for any combination (unit value) of Independent Projects 189 and/or 389 for a total of four semesters in a specific discipline. Units are awarded depending upon satisfactory performance and the amount of time committed by the student to the course. Allowable units vary according to discipline, and are based on the following formula: 1 unit - 48 hours per semester 2 units - 96 hours per semester 3 units - 144 hours per semester (Letter Grade or Pass/No Pass)

Fashion

FASH 101 Fashion Industry and Marketing
3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Explores all levels of the fashion industry including marketing, job market analysis, and careers. Core components are the development of fashion goods; fashion meaning and terminology; primary markets of materials including textiles, trims, leather, and fur; secondary markets of design and production of apparel, accessories, and cosmetics. Retail market level including domestic, regional and foreign markets, global sourcing, strategies in fashion retailing; and the auxiliary level of supporting services. Course not open to students who enrolled in and received credit for FCS 137. (Fall) (Letter Grade or Pass/No Pass)

FASH 102 Fashion Design Analysis
3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Advisories: ENGL 101 - Freshman Composition: Exposition
Apparel selection for the individual and society based on socio-psychological influences such as culture, history, design elements and principles, space and body analysis, coordination, and purchasing guidelines. Course not open to students who took and received credit for FCS 138. (Spring) (Letter Grade or Pass/No Pass)

FASH 103 Textiles
3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: NA
Advisories: ENGL 100 - Writing in Career/Tech Fields
A consumer-oriented analysis of textile products used in the apparel and interiors industries today, including fibers, yarn, construction, fabric construction, dyeing, finishing, and labeling. Emphasis is on selection, performance, suitability, and care of textiles. Career opportunities as well as environmental and legal issues are discussed. (Fall) (Letter Grade or Pass/No Pass)

FASH 104 Historic Fashion/Costume
3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: NA
A study of period costume, its relationship to the political and social conditions of the times, evolution from related arts, and influence on modern dress. Designed for students of fashion, theater arts, and merchandising. Course not open to students who took and received credit for FCS 144. (Spring) (Letter Grade or Pass/No Pass)

FASH 105 Race and Ethnicity in Fashion
3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: NA
Fashion and race in the context of social, cultural, and environmental influences in the US. A focus is placed on members of historically racialized groups in the US including Native

American, African American, and/or Latino American communities who are active producers and consumers of apparel. Apparel and textiles will be critically examined with attention to racial formation discourses as they relate to ethnicity, race, nation, class, culture, social moments, environmental-health disparities, and policy. (Letter Grade or Pass/No Pass)

FASH 106 Digital Illustration for Fashion
3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: n/a
Introduction to computer aided design and graphics in the fashion context. Creation of surface designs for fabrics. Illustration of shading and tonal value in fashion figure drawing and to illustrate the figure in proper scale and proportion. Use of design elements and principles as applied to clothing design. (Letter Grade or Pass/No Pass)

FASH 110 Apparel Construction 1
3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Advisories: BASK 7011 - Basic Math ; and HOEC 7100A - Beg Clothing Construction
An introduction to the fashion industry and potential employment opportunities. Presents processes, principles, and techniques for constructing woven garments with the single needle machine, industrial single needle machine, and overlock serger machine. Emphasizing current custom and industrial techniques, including fit and care. Course not open to students who enrolled in and received credit for FCS 140. (Fall, Spring) (Letter Grade or Pass/No Pass)

FASH 149 Work Experience Education
1.0 - 8.0 units
Acceptable for credit: Transfer CSU
Limitations on Enrollment: To participate in Cooperative Work Experience: (1) students must be working at a job within their major, (2) students must be able to become involved in new or expanded responsibilities on the job, (3) the employer must be willing to cooperate with the college in the supervision and evaluation of the student and (4) the student must attend all coordination/consultation meetings in addition to other work and class responsibilities. NUMBER OF TIMES COURSE CAN BE REPEATED: Students enrolled in CWE 149 may earn up to 8 units of credit per semester not to exceed 16 units in total. Any units earned in any other Cooperative Work Experience course will be included in the 16 unit maximum. CWE Units Unpaid Placement: 1 unit 60 hours, 2 units 120 hours, 3 units 180 hours, 4 units 240 hours, 5 units 300 hours, 6 units 360 hours, 7 units 420 hours, 8 units 480 hours. CWE Units Unpaid Placement: 1 unit 75 hours, 2 units 150 hours, 3 units 225 hours, 4 units 300 hours, 5 units 375 hours, 6 units 450 hours, 7 units 525 hours. Supervised employment extending classroom-based learning to an on-the-job learning environment relating to the student's career and educational goals. In addition, these work experiences improve the student's basic work skills and professional competencies by creating career awareness, improving work habits, and fostering positive workplace attitudes. Cooperative Work Experience credit courses require 54 hours of work (paid or unpaid) per unit, rounded down in 0.5 unit increments. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

Noncredit Fashion

FASN 7000 Introduction to Basic Sewing
48.0 - 54.0 hours
Acceptable for credit: N - Noncredit
Repeatable: 5.00
Designed to provide an introduction of basic sewing techniques, sewing machine skills, and an understanding of fabric and simple patterns. The focus is on students with no previous sewing experience. (Satisfactory Progress)

FASN 7001 Clothing Construction 1
48.0 - 54.0 hours
Acceptable for credit: N - Noncredit
Repeatable: 5.00
Prerequisite: FASN 7000 - Introduction to Basic Sewing
Designed to provide an overview of basic apparel construction techniques, machine skills, and an understanding of fabrics and patterns. The focus is on students with little sewing experience. (Satisfactory Progress)

FASN 7002 Clothing Construction 2
48.0 - 54.0 hours
Acceptable for credit: N - Noncredit
Repeatable: 5.00
Prerequisite: FASN 7001 - Clothing Construction 1
This course bridges the skills between the beginner and professional sewer and is an introduction to the fashion industry and potential employment opportunities. Presents processes, principles, and techniques for constructing woven garments with the single needles machine, industrial single needle machine, and overlock serger machine. Emphasizing current custom and industrial techniques, including fit and care. (Satisfactory Progress)

FASN 7003 Clothing Construction 3
48.0 - 54.0 hours
Acceptable for credit: N - Noncredit
Repeatable: 5.00
Prerequisite: FASN 7002 - Clothing Construction 2
Designed to provides an overview of advanced sewing techniques in apparel construction. Sewn garments with unique collars, sleeves, pockets, and hems are covered as well as changing components of a garment for different designs. (Satisfactory Progress)

FASN 7004 Tailoring
48.0 - 54.0 hours
Acceptable for credit: N - Noncredit
Repeatable: 5.00
Prerequisite: FASN 7003 - Clothing Construction 3 Permission of instructor.
Traditional and contemporary tailoring techniques. Emphasis is placed on tailoring and fitting a coat or jacket utilizing a commercial pattern. Investigation on tailoring types, methods, fabrics, and garment qualities. (Satisfactory Progress)

FASN 7005 Sewing with Knits
48.0 - 54.0 hours
Acceptable for credit: N - Noncredit
Repeatable: 5.00
Prerequisite: FASN 7002 - Clothing Construction 2
An in-depth study of stretch fabric and their characteristics. Students learn to evaluate knit fabrics. Emphasis is given to special construction techniques necessarily for completion of garments made of stretch fabrics. Professional and updated methods are utilized in addition to creative styling techniques. (Satisfactory Progress)

FASN 7006 Fitting and Pattern Alterations
48.0 - 54.0 hours
Acceptable for credit: N - Noncredit
Repeatable: 5.00
Prerequisite: FASN 7002 - Clothing Construction 2
An overview of various pattern alternation techniques for skirts and bodices based on individual figure variations. Techniques examine sizing methods, ease assessment, fabric variability, and the identification of figure variations. (Satisfactory Progress)

FASN 7007 Ready-Made-Clothing Alterations
48.0 - 54.0 hours
Acceptable for credit: N - Noncredit
Repeatable: 5.00
Prerequisite: FASN 7002 - Clothing Construction 2
Designed to develop practical skills in fitting, altering, and restyling ready-to-wear clothing for women, men, and children. Emphasis is placed on learning the basics of altering clothing for clients, building speed, and increasing fit expertise. Investigation of pricing of services, client relations, and building an alterations business is discussed. (Satisfactory Progress)

FASN 7008 Industrial and Occupational Sewing
48.0 - 54.0 hours
Acceptable for credit: C - Credit - Not Degree Applicable
Repeatable: 5.00
Prerequisite: FASN 7002 - Clothing Construction 2
Designed for the student desiring entry level skills for employment in the clothing production industry. Achieve professional standards of workmanship without complicated and unnecessary work using production techniques on construction and power equipment used in the fashion industry. Job preparation information will be included. (Satisfactory Progress)

FASN 7009 Specialty Apparel Construction
48.0 - 54.0 hours
Acceptable for credit: N - Noncredit
Repeatable: 5.00
Prerequisite: FASN 7003 - Clothing Construction 3
Designed to learn advanced sewing techniques used when working with specialty fabrics including, silk charmeuse, velvet, chiffon, and leather. Students will create a special occasion wear garment incorporating the techniques needed when working with difficult fabrics and bias. (Satisfactory Progress)

FASN 7010 Corset Construction
48.0 - 54.0 hours
Acceptable for credit: N - Noncredit
Repeatable: 5.00
Prerequisite: FASN 7003 - Clothing Construction 3
Introduction to the proper pattern work and construction techniques to create a well-fitting, well-preforming strapless bodice (bustier), which can be adapted to evening or bridal wear. (Satisfactory Progress)

Family & Consumer Science

FCS 120 Principles of Foods 1
4.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: NUTR 120
Advisories: CA 124 - Sanitation, Safety, and Equipment
Provides knowledge and experience in food preparation terminology, equipment, and techniques to increase proficiency, coupled with investigation of the science principles involved. Emphasis is on ingredient functions and interactions; production and sensory evaluation standards; food safety and sanitation; nutrient composition; and food aesthetics and presentation. Content includes recipe and menu development, stocks, sauces, meat, poultry, fish and shellfish. This course is not open to students who have received credit for CA 120. (Fall, Spring) (Letter Grade Only)

FCS 130 Consumer and Family Finance
3.0 units
Acceptable for credit: Transfer CSU
Designed to assist individuals and/or those working with individuals to analyze and direct their financial affairs. Elements and concepts of financial planning and decision making in the areas of budgeting, taxes, borrowing, money management, consuming, insurance, investments, retirement, and estate planning will be analyzed with an emphasis on application to changing family needs. This course is not open to students who are enrolled in or have received credit for BUS 130 or ECON 130. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

FCS 131 Life Management
3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Advisories: ENGL 101 - Freshman Composition: Exposition
Provides individuals with skills for understanding and using internal and external resources to function effectively in our present and future society. Major topics include: effects of cultural forces and future trends on values, standards, and goals; skills for decision making, time, energy, stress, and conflict management; and techniques for improving self-understanding and interpersonal relationships in a culturally diverse society. Students who have received credit for more than three life management modules may not enroll in this course. (Fall, Spring) (Letter Grade or Pass/No Pass)

FCS 149 Cooperative Work Experience: Occupational
1.0 - 8.0 units
Acceptable for credit: Limited transfer to CSU

Limitations on Enrollment: To participate in Cooperative Work Experience: (1) students must be working at a job within their major, (2) students must be able to become involved in new or expanded responsibilities on the job, (3) the employer must be willing to cooperate with the college in the supervision and evaluation of the student and (4) the student must attend all coordination/consultation meetings in addition to other work and class responsibilities. CWE Units Unpaid Placement: 1 unit 60 hours 2 units 120 hours 3 units 180 hours 4 units 240 hours 5 units 300 hours 6 units 360 hours 7 units 420 hours 8 units 480 hours OR CWE Units Paid Placement: 1 unit 75 hours 2 units 150 hours 3 units 225 hours 4 units 300 hours 5 units 375 hours 6 units 450 hours 7 units 525 hours 8 units 600 hours
Supervised employment extending classroom-based learning to an on-the-job learning environment relating to the student's career and educational goals. In addition, these work experiences improve the student's basic work skills and professional competencies by creating career awareness, improving work habits, and fostering positive workplace attitudes. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

FCS 189 Independent Projects
0.0 units
Acceptable for credit: Transfer CSU
Courses for students capable of independent work who demonstrate the need or desire for additional study beyond the regular curriculum. Enrollment allows students to pursue activities such as directed field experience, research, or development of skills and competencies under faculty advisement and supervision. Independent projects may be earned in most disciplines. Students wishing to enroll in Independent Projects should contact the appropriate instructor identified in the class schedule. If the project proposed is acceptable to that instructor, a contract will be developed. All contracts for these classes must be completed and submitted to the Records Office no later than the end of the second week of the semester. Students may enroll for any combination (unit value) of Independent Projects 189 and/or 389 for a total of four semesters in a specific discipline. Units are awarded depending upon satisfactory performance and the amount of time committed by the student to the course. Allowable units vary according to discipline, and are based on the following formula: 1 unit - 48 hours per semester 2 units - 96 hours per semester 3 units - 144 hours per semester (Letter Grade or Pass/No Pass)

FCS 199 Special Topics in Family and Consumer Sciences
0.5 - 3.0 units
Acceptable for credit:
- (Letter Grade or Pass/No Pass)

Film

FILM 101 Film as Art and Communication
3.0 units
Acceptable for credit: Transfer to UC, CSU
An introduction to a variety of international film styles, themes, and directors, as well as to the art of the documentary and experimental film. Emphasis is placed on ways films communicate through acting, photography, sound, and editing. (Fall) (Letter Grade or Pass/No Pass)

FILM 102 Hollywood and the American Film
3.0 units
Acceptable for credit: Transfer to UC, CSU
The development of American film through critical appraisal of major directors' works from both the sound and silent eras. The films examined are representative of their directors as artists and of major social, cultural and aesthetic movements within the film industry and country. (Letter Grade or Pass/No Pass)

FILM 103 Contemporary Latin American Film
3.0 units
Acceptable for credit: Transfer to UC, CSU
A study of recent Latino cinema in the Americas in a historical and cultural context. Representation of Latino culture is examined in the context of the global Hollywood structure and in light of various national cinemas. Major social, cultural and aesthetic movements within Latino cinema are explored. (Spring) (Letter Grade or Pass/No Pass)

FILM 104 Documentary Studies
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: N/A
Advisories: ENGL 514 - Writing Skills 4
An examination of the documentary form, its impact on culture and society, and its artistic development from the early days of motion pictures through the modern era. (Spring) (Letter Grade or Pass/No Pass)

FILM 105 Film and Television Writing 1
3.0 units
Acceptable for credit: Transfer CSU
A study of the technique of screenwriting for the conventional narrative film and for television. Students are required to complete writing exercises, outlines, character sketches and short screenplays. (Fall, Spring) (Letter Grade Only)

FILM 106 Film and Television Writing II
3.0 units
Acceptable for credit: Transfer CSU
Prerequisite: FILM 105 - Film and Television Writing 1
An advanced course in which students will gain professional insight into scriptwriting techniques for film and television. Designed to provide students with the skills needed for scripting complex narrative stories. (Fall, Spring) (Letter Grade or Pass/No Pass)

FILM 107 History of World Cinema
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: NA
An historical examination of cinema from around the world as well as the personalities, cultures, and social conditions that have contributed to the art form. Comparison and contrast to the Hollywood model will result from critical screenings and class discussions. (Fall) (Letter Grade or Pass/No Pass)

FILM 108 Film and Television in the 21st Century
3.0 units
Acceptable for credit: Transfer to UC, CSU
Advisories: ENGL 101 - Freshman Composition: Exposition
This course deals with the social, institutional and cultural background of film and television in the United States and in a broader global context. Students will develop a critical understanding of film and TV content. (Fall) (Letter Grade or Pass/No Pass)

FILM 109 Contemporary Asian Cinema
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: N/A
Advisories: ENGL 101 - Freshman Composition: Exposition
This course provides an introduction to the art and industry of Asian cinema. The course will explore the unique traditions of selected national cinemas from East, South and South-East Asia. Against the backdrop of globalization, we will explore the unique aesthetics of Asian film production. (Fall) (Letter Grade or Pass/No Pass)

FILM 110 Introduction to Motion Picture and Video Production
4.0 units
Acceptable for credit: Transfer to UC, CSU
An introduction to film and video production techniques including cinematography, sound, recording, and video editing. Students make a variety of short video projects that involve narrative story telling and documentary filmmaking techniques. No personal equipment required. It is recommended that students enroll in FILM 380 for additional lab time. (Fall, Spring) (Letter Grade or Pass/No Pass)

FILM 111 Intermediate Motion Picture and Video Production
4.0 units
Acceptable for credit: Transfer to UC, CSU
Prerequisite: FILM 110 - Introduction to Motion Picture and Video Production
A study of skills necessary for independent filmmaking. The development of short narrative and documentary projects utilizing field production and conventional set techniques is emphasized. Topics include basic production and post-production techniques including, scriptwriting, cinematography, sound recording and non linear editing. (Spring) (Letter Grade or Pass/No Pass)

FILM 115 Introduction To Animation
3.0 units
Acceptable for credit: Transfer to UC, CSU
An introduction to animation production including classical character animation and other techniques. This course is not open to students who are enrolled in or have received credit for Art 115 or MMAC 115. (Fall, Spring) (Letter Grade or Pass/No Pass)

FILM 116 Intermediate Animation
3.0 units
Acceptable for credit: Transfer CSU
Prerequisite: ART 115 - Introduction to Animation ; or MMAC 115 - Introduction to Animation ; or FILM 115 - Introduction To Animation
A continuation of FILM 115, emphasizing the development and refinement of animation skills through involvement in class and individual projects. This course is not open to students who are enrolled in or have received credit for MMAC 116. (Fall, Spring) (Letter Grade or Pass/No Pass)

FILM 117 3D Computer Animation 1
3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Advisories: GRPH 111 - Digital Imagery Lab ; or GRPH 112 - Digital Imagery ; or FILM 110 - Introduction to Motion Picture and Video Production
An introduction to 3D modeling and animation, using professional software to create characters, assets and animation on the computer. This course is not open to students who are enrolled in or who have received credit for MMAC 117. (Fall) (Letter Grade or Pass/No Pass)

FILM 118 3D Computer Animation 2
3.0 units
Acceptable for credit: Transfer CSU
Prerequisite: FILM 117 - 3D Computer Animation 1 ; or MMAC 117 - 3D Computer Animation 1
An intermediate course in 3D computer animation that reproduces the industry work environment for production of animation projects and show reels. this course is not open to students who have completed or who are enrolled in MMAC 118. (Fall) (Letter Grade or Pass/No Pass)

FILM 119 Great Directors of the Cinema
3.0 units
Acceptable for credit: Transfer to UC, CSU
This class offers a survey of the world's best film directors. Emphasis is given to directors working since 1965. (Letter Grade or Pass/No Pass)

FILM 120 Introduction to Sound Recording and Mixing
3.0 units
Acceptable for credit: Transfer CSU
An introduction to the equipment, terminology and procedures of sound engineering. Combines lectures and demonstrations with hands-on use of equipment. Students will have the opportunity to use professional sound recording and processing equipment in various recording and mix-down situations. This course is not open to students who are enrolled in or have received credit for Music 115. (Fall, Spring) (Letter Grade or Pass/No Pass)

FILM 121 Sound Production Techniques
3.0 units
Acceptable for credit: Transfer CSU
Explores the digital audio software for recording music and computer-based multi-track sound recording for producing audio for video projects, as well as the use of digital signal processors for mixing and mastering recordings. This course is not open to

students who have received credit for or who are currently enrolled in Music 116. (Letter Grade or Pass/No Pass)

FILM 122 Race and Representation in American Cinema

3.0 units

Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Intersectionalities of race, gender, class, sexual surrounding issues of race in the United States. That said, American cinema's history is populated with examples of exclusionist and racist practices that have disproportionately marginalized people of color. This course will look closely at the evolving portrayal and participation of African Americans, Asian Americans, Latina and Latino Americans, and Native Americans over the one hundred and twenty years of American cinema. This course will highlight the important work of filmmakers of color engaged in the struggle for justice and equality in representation. This course is not open to students who are enrolled in or have received credit for ES 122. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

FILM 123 Directing for the Camera

2.0 units

Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Advisories: FILM 110 - Introduction to Motion Picture and Video Production
The study and practice of the skills and procedures involved in directing short narrative films. (Spring) (Letter Grade or Pass/No Pass)

FILM 125 Computer Video Editing

3.0 units

Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Presents non-linear video editing including combining clips and digital source materials, editing digital movies, and preparing digital movies for the web. Not open to students who are enrolled in or have received credit for MMAC 125. (Fall, Spring) (Letter Grade or Pass/No Pass)

FILM 126 Introduction to Motion Graphics

3.0 units

Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Advisories: GRPH 111 - Digital Imagery Lab ; and GRPH 112 - Digital Imagery
Explores new digital approaches for creating and compositing powerful visual imagery for use in film/video, multimedia, and design. Includes integration of graphics, video, text, and sound on desktop computers. This course is not open to students who are enrolled in or have completed MMAC 126. (Fall) (Letter Grade or Pass/No Pass)

FILM 127 Digital Video Post-Production

3.0 units

Acceptable for credit: Transfer CSU
Advisories: MMAC 125 - Computer Video Editing or FILM 125
This class is for students who wish to expand their digital video post production skills and learn to present and publish digital work on emerging media platforms. The course covers advanced non-linear video editing, digital effects and filters, color correction, and compression for distribution over the Internet and to mobile devices such as tablets and cellular phones. The class is a lecture/lab combination with lab work on Apple computers using current Final Cut Pro and Adobe Creative Suite software . Not open to students who are enrolled in or have received credit for MMAC 127. (Spring) (Letter Grade or Pass/No Pass)

FILM 128 Intermediate Motion Graphics

3.0 units

Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Advisories: FILM 126 - Introduction to Motion Graphics ; or MMAC 126 - Introduction to Motion Graphics
Intermediate study in motion graphics utilizing current industry standard software. Emphasizes the expansion and refinement of digital visual effects skills through involvement in class and individual projects. This course is not open to students who are enrolled in or have completed MMAC 128. (Fall) (Letter Grade or Pass/No Pass)

FILM 129 Documentary Production

2.0 units

Acceptable for credit: Transfer CSU
Advisories: FILM 110 - Introduction to Motion Picture and Video Production
The examination and practice of producing a short documentary film. Students will learn to conduct research and pre-interviews, develop an outline, conduct on-camera interviews, and shoot coverage shots. As an advisory, it is suggested that students have taken FILM 110. It is recommended that students enroll in FILM 380 for additional lab time. (Letter Grade or Pass/No Pass)

FILM 179A Documentary Production

2.0 units

Acceptable for credit: -
Advisories: FILM 110 - Introduction to Motion Picture and Video Production
The examination and practice of producing a short documentary film. Students will learn to conduct research and pre-interviews, develop an outline, conduct on-camera interviews, and shoot coverage shots. As an advisory, it is suggested that students have taken FILM 110. (Letter Grade or Pass/No Pass)

FILM 189 Independent Projects in Film

1.0 - 3.0 units

Acceptable for credit: Transfer CSU
Courses for students capable of independent work who demonstrate the need or desire for additional study beyond the regular curriculum. Enrollment allows students to pursue activities such as directed field experience, search, or development of skills and competencies under faculty advisement and supervision. Independent projects may be earned in most disciplines. Students wishing to enroll in Independent Projects should contact the appropriate instructor identified in the class schedule. If the project proposed is acceptable to that instructor, a contract will be

developed. All contracts for these classes must be completed and submitted to the Records Office no later than the end of the second week of the semester. Students may enroll for any combination (unit value) of Independent Projects 189 and/or 389 for a total of four semesters in a specific discipline. Units are awarded depending upon satisfactory performance and the amount of time committed by the student to the course. Allowable units vary according to discipline, and are based on the following formula: 1 unit - 48 hours per semester 2 units - 96 hours per semester 3 units - 144 hours per semester (Letter Grade or Pass/No Pass)

FILM 199 Special Topics in Film
3.0 units
Acceptable for credit: Transfer CSU
Courses focusing on specific film or video practices, equipment, or subject matter which are not covered in detail in the existing program. (Letter Grade or Pass/No Pass)

FILM 199A Special Topics in Film
2.0 units
Acceptable for credit: D - Credit - Degree Applicable
Advisories: ENGL 514 - Writing Skills 4
An examination of the life, work, and controversy surrounding famed cinema director, Alfred Hitchcock. Students gain historical, social and artistic perspective through critical screenings and selected readings. (Letter Grade or Pass/No Pass)

FILM 380 Film Production Lab
1.0 unit
Acceptable for credit: D - Credit - Degree Applicable
Corequisite: FILM 110 or FILM 111 or FILM 113 or FILM 116 or FILM 117 or FILM 118 or FILM 120 or FILM 123 or FILM 125 or FILM 179
An open-entry laboratory class designed to provide students with the opportunity to refine and expand techniques learned in the corequisite course. (Fall, Spring) (Pass/No Pass)

FILM 381 Film Post Production Lab
1.0 unit
Acceptable for credit: D - Credit - Degree Applicable
Corequisite: FILM 114 or FILM 125 or FILM 126 or FILM 127
Open-entry laboratory class designed to provide students with the opportunity to refine and expand techniques learned in the corequisite course. (Fall, Spring) (Pass/No Pass)

FILM 386 Film Festival Production Lab
2.0 units
Acceptable for credit: D - Credit - Degree Applicable
Students work closely with instructor to plan for and produce the annual Allan Hancock College Film Festival. This annual event provides the opportunity for Allan Hancock College Film and Video students to screen their work in a theater setting open to the public. (Fall, Spring) (Letter Grade or Pass/No Pass)

French

FRCH 101 Elementary French I
5.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: N/A
This course is an introduction to the French language, presenting students with the basic skills for vocabulary and grammar recognition and use, as well as stressing pronunciation, oral skills, reading, and writing at the elementary level. Using a communicative style, students practice French grammar and vocabulary, sentence structure, and oral skills [listening and speaking]. This course also includes an introduction to cultural aspects of the French-speaking world. Lecture: 5 hours per week. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

FRCH 102 Elementary French II
5.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: N/A
Prerequisite: FRCH 101 - Elementary French I ; or two years of high school French.
This course is a continuation of FRCH 101, presenting students with the basic skills for vocabulary and grammar recognition and use, as well as stressing pronunciation, oral skills, reading, and writing at the elementary level. Using a communicative style, students practice French grammar, sentence structure, vocabulary, and oral skills [listening and speaking]. This course also includes cultural aspects of the French-speaking world. Lecture: 5 hours per week. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

Food Science & Nutrition

FSN 109 Basic Nutrition for Health
3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
An overview of basic nutrition which emphasizes the application of nutrition science to consumer choices for improved health, fitness, and disease prevention. Individuals will assess their own diet quality and will learn to select diets appropriate to their individual lifestyles, inherited health risks, tastes, and needs at all stages of the life cycle. The course examines current controversies and claims to distinguish fact from fallacy and assists in adapting research on diet and health to individual needs. The course is not open to students who are enrolled in or have received credit for FCS 109. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

FSN 110 Nutrition Science
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: NUTR 110
This course covers the science of foods and the nutrients they contain, and of their actions within the body. Emphasis is placed on individual dietary needs, current nutrition and health issues, and application of evidence-based nutrition information. Students utilize computer software to analyze personal diet records and plan healthful meals. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

FSN 112 Behavioral Nutrition
3.0 units
Acceptable for credit: Transfer CSU

Advisories: FSN 109 - Basic Nutrition for Health ; and ENGL 100 - Writing in Career/Tech Fields
This course provides a vibrant and detailed view of the important subjects of food behaviors and eating disorders. It examines the nutritional, psychological, and physiological factors which lead to healthy and unhealthy weight management strategies. Emphasis is placed on understanding and applying basic nutrition principles in daily life. As a vital part of the learning experience, students are invited to participate in assessing their own eating and physical activity behaviors. A series of interactive, practical activities will guide students through the processes of planning, implementing, evaluating and maintaining healthful nutrition and lifestyle strategies. Students will learn techniques for applying these skills in diverse counseling situations. This course is not open to students who are enrolled in or have received credit for FCS 112. (Spring) (Letter Grade or Pass/No Pass)

FSN 132 Introduction To Culinology Professions
1.0 unit
Acceptable for credit: Transfer CSU
Advisories: ENGL 100 - Writing in Career/Tech Fields
Orientation to careers in dietetics, nutrition science, food science, culinary arts and management, hospitality, food service management, and Culinology®. Career portfolios, professional organizations and publications will be covered. Educational plans will be developed in conjunction with counseling personnel. (Fall) (Letter Grade or Pass/No Pass)

FSN 133 Introduction To Food Science
3.0 units
Acceptable for credit: Transfer CSU
Advisories: CHEM 120 - Introductory Chemistry ; and ENGL 100 - Writing in Career/Tech Fields
Food science is the scientific study of raw food materials and their behavior during formulation, processing, packaging, and storage. Food processing technologies and the government regulation of food processing and labeling are examined. Products are evaluated through sensory analysis, with objective assessment of the factors that affect product quality. The scientific method is emphasized throughout the course. (Spring) (Letter Grade or Pass/No Pass)

FSN 134 Food, Nutrition Customs and Culture
4.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: NA
Advisories: CA 124 - Sanitation, Safety, and Equipment ; and ENGL 100 - Writing in Career/Tech Fields
This course explores the socio-economic, psychological, and anthropological perspectives of traditional and contemporary food preparation within various cultures, with an emphasis on American, African, Asian, Middle Eastern, European, and Latin American regions. Students learn about food and culture in lecture, and apply this learning in lab through the preparation and tasting of foods and beverages representative of various cultures and regions. Global food issues, sanitation and safety practices are addressed. This course is not open to students who are enrolled in or have received credit for FCS 134. (Fall, Spring) (Letter Grade or Pass/No Pass)

FSN 149 Cooperative Work Experience: Occupational
1.0 - 8.0 units
Acceptable for credit: Transfer CSU
Limitations on Enrollment: To participate in Cooperative Work Experience: (1) students must be working at a job within their major, (2) students must be able to become involved in new or expanded responsibilities on the job, (3) the employer must be willing to cooperate with the college in the supervision and evaluation of the student and (4) the student must attend all coordination/consultation meetings in addition to other work and class responsibilities. NUMBER OF TIMES COURSE CAN BE REPEATED: Students enrolled in CWE 149 may earn up to 8 units of credit per semester not to exceed 16 units in total. Any units earned in any other Cooperative Work Experience course will be included in the 16 unit maximum. CWE Units Unpaid Placement: 1 unit 60 hours 2 units 120 hours 3 units 180 hours 4 units 240 hours 5 units 300 hours 6 units 360 hours 7 units 420 hours 8 units 480 hours CWE Units Paid Placement: 1 unit 75 hours 2 units 150 hours 3 units 225 hours 4 units 300 hours 5 units 375 hours 6 units 450 hours 7 units 525 hours 8 units 600 hours
Supervised employment extending classroom-based learning to an on-the-job learning environment relating to the student's career and educational goals. In addition, these work experiences improve the student's basic work skills and professional competencies by creating career awareness, improving work habits, and fostering positive workplace attitudes. (Fall, Spring) (Letter Grade or Pass/No Pass)

Fire Technology

FT 101 Fire Protection Organization
3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Provides an introduction to fire protection; career opportunities in fire protection and related fields; philosophy and history of fire protection; fire loss analysis; organization and function of public and private fire protection services, fire departments as part of local government; laws and regulations affecting fire services, fire service nomenclature, specific protection functions, basic fire chemistry and physics; introduction to fire protection systems; introduction to fire strategy and tactics. (Fall, Spring) (Letter Grade or Pass/No Pass)

FT 102 Fire Prevention Technology
3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Advisories: Completion of or concurrent enrollment in; FT 101 - Fire Protection Organization
Provides fundamental information regarding the history and philosophy of fire prevention, organization and operation of a fire prevention bureau, use of fire codes, identification and correction of fire hazards, and the relationship of fire prevention with fire safety education and detection and suppression systems. (Fall, Spring) (Letter Grade Only)

FT 103 Fire Protection Equipment and Systems
3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Advisories: Completion of or concurrent enrollment in; FT 101 - Fire Protection Organization
Provides information relating to the features of design and operation of fire detection and alarm systems, heat and smoke control systems, special protection and sprinkler systems, water supply for fire protection and portable fire extinguishers. (Fall, Spring) (Letter Grade Only)

FT 104 Building Construction for Fire Protection
3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Advisories: Completion of or concurrent enrollment in; FT 101 - Fire Protection Organization
A study of the components of building construction that relates to fire safety. The elements of construction and design of structures are shown to be key factors when inspecting buildings, preplanning fire operations, and operating at fires. The development and evolution of building and fire codes will be studied in relationship to past fires in residential, commercial, and industrial occupancies. (Fall, Spring) (Letter Grade Only)

FT 105 Fire Behavior and Combustion
3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Advisories: FT 101 - Fire Protection Organization
This course of study presents theory and fundamentals of how and why fires start, spread, and are controlled; an in-depth study of fire chemistry and physics, fire characteristics of materials, extinguishing agents, and fire control techniques. (Fall, Spring) (Letter Grade Only)

FT 106 Principles of Fire and Emergency Safety and Survival
3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
This course introduces the basic principles and history related to the national firefighter life safety initiatives, focusing on the need for cultural and behavior change throughout the emergency services. (Fall, Spring) (Letter Grade Only)

FT 107 Apparatus and Equipment
3.0 units
Acceptable for credit: Transfer CSU
This course exposes the student to mechanized equipment operated by the men and women of the fire service and regulations pertaining to their use. Subject matter includes: driving laws, driving techniques, construction and operation of pumping engines, ladder trucks, aerial platforms, specialized equipment and apparatus maintenance. (U) (Summer) (Letter Grade Only)

FT 111 Develop A Personal Philosophy of Leadership
2.0 units
Acceptable for credit:
This is the first of four courses in the Public Safety Leadership and Ethics Program that centers on the students introspective look at what makes a good leader and setting a plan to personally move in that direction. (Letter Grade Only)

FT 112 Leading Others
1.5 units
Acceptable for credit:
Prerequisite: FT 111
Training courses focusing on specialized fire technology topics. Topics will be identified on a periodic basis in conjunction with employment or program/discipline needs. (Letter Grade Only)

FT 113 Organizational Leaderships
2.0 units
Acceptable for credit:
Prerequisite: FT 112
Training courses focusing on specialized fire technology topics. Topics will be identified on a periodic basis in conjunction with employment or program/discipline needs. (Letter Grade Only)

FT 130 Principles of Emergency Management
3.0 units
Acceptable for credit: Transfer CSU
An introduction to the fundamentals of the emergency management system. Topics include the four phases of the emergency management cycle, community-focused hazard analysis, and the connection between planning and emergency management. This course is not open to students who have completed or who are enrolled in Emergency Medical Services 130. (F,S,U) (Fall, Spring, Summer) (Letter Grade Only)

FT 149 Cooperative Work Experience: Occupational
1.0 - 8.0 units
Acceptable for credit: Transfer CSU
Limitations on Enrollment: To participate in Cooperative Work Experience: (1) students must be working at a job within their major, (2) students must be able to become involved in new or expanded responsibilities on the job, (3) the employer must be willing to cooperate with the college in the supervision and evaluation of the student and (4) the student must attend all coordination/consultation meetings in addition to other work and class responsibilities. NUMBER OF TIMES COURSE CAN BE REPEATED: Students enrolled in CWE 149 may earn up to 8 units of credit per semester not to exceed 16 units in total. Any units earned in any other Cooperative Work Experience course will be included in the 16 unit maximum. CWE Units Unpaid Placement: 1 unit 60 hours 2 units 120 hours 3 units 180 hours 4 units 240 hours 5 units 300 hours 6 units 360 hours 7 units 420 hours 8 units 480 hours CWE Units Paid Placement: 1 unit 75 hours 2 units 150 hours 3 units 225 hours 4 units 300 hours 5 units 375 hours 6 units 450 hours 7 units 525 hours 8 units 600 hours

Supervised employment extending classroom-based learning to an on-the-job learning environment relating to the student's career and educational goals. In addition, these work experiences improve the student's basic work skills and professional competencies by creating career awareness, improving work habits, and fostering positive workplace attitudes. (Letter Grade or Pass/No Pass)

FT 307 Firefighter I Academy IA

6.0 units

Acceptable for credit: D - Credit - Degree Applicable
Advisories: EMT Basic or Paramedic or Public Safety First Aid and CPR as defined by California Health and Safety Code, Section 1797.182, NOTE: Approval of equivalent training is not a guarantee state regulatory or licensing agencies will also grant equivalency.
Technical and manipulative training in concepts of fire department organization and operations. Includes fire behavior, ICS, building construction, safety, rescue, ropes and knots, ladders, low angle rope rescue, hose and appliances, personal protective equipment, and accountability. (Fall, Spring) (Letter Grade Only)

FT 308 Firefighter 1 Academy IB

7.0 units

Acceptable for credit: D - Credit - Degree Applicable
Prerequisite: FT 307; NOTE: Approval of equivalent training is not a guarantee state regulatory or licensing agencies will also grant equivalency. Prior to beginning this course students must already be familiar with, and be able to demonstrate all of the entrance skills listed. These will not be taught in the course; rather, they will be the starting point for advanced officer training that builds upon them.
Technical and manipulative training in concepts of fire service operations. Includes hazardous materials, wildland firefighting, fire protection systems, fire investigation, tactics, loss prevention and overhaul, vehicle extrication, ventilation, Flammable Liquids and Gas firefighting, forcible entry, structural firefighting and rescue operations. (Fall, Spring) (Letter Grade Only)

FT 310 Fire Service Physical Fitness

4.0 units

Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: Not applicable
Corequisite: FT 307 - Firefighter I Academy IA ; and FT 308 - Firefighter 1 Academy IB
This course explores the physical demands of the fire service and provides the correct training practices to meet those physical demands. Concurrent enrollment in the Allan Hancock College Fire Academy is required. This class is designed to teach a variety of body flexibility, strengthening and cardio operations. Included will be muscle toning, muscle endurance, body alignment, balance and conditioning. This class will include some level of anatomical and physiological instruction and demonstration of the body's muscle and joint functions so the student may develop the ability to learn, explore, and enhance their body strength, flexibility, balance, core stability, muscular/breathing endurance and body systems assisting in the execution of life and fire safety operation. The fitness class process will consist of lecture, warm-up through stretching, the intense engagement of the physical combination between muscle and cardiovascular use and a body cool-down. The objective is to improve flexibility, strength, cardio using the body and other equipment to facilitate objectives. This class will utilize various types of equipment in conjunction with the body being the main source equipment through movement. Equipment used may include body balls, jump ropes, cardio machines, free weights and the physical fitness equipment as needed, including emphasis on fire equipment, tools, situations and exercises in the fitness process. (Fall, Spring) (Letter Grade Only)

FT 319 Emergency Response to Terrorism

3.0 units

Acceptable for credit: D - Credit - Degree Applicable
Prerequisite: California State Fire Training certification standards require candidate to have met educational requirements for Fire Fighter I prior to Fire Officer (Level 1 and II) certification or equivalent. NOTE: Approval of equivalent enrollment eligibility is not a guarantee that state regulatory and licensing authorities will also grant equivalency for licensure or employment purposes.
Enables emergency responders to recognize circumstances and key indicators that may signify a terrorist incident or threat potential. Topics include implementing incident command, self-protective measures, scene security, force protection, and defensive measures associated with biological, nuclear, incendiary, chemical, and explosives incidents. Materials and information relevant to current events on emergency preparedness in terrorist incident management for emergency responders of all disciplines are explored. This course is not open to students who are enrolled in or have received credit for Emergency Medical Services 319. (Pass/No Pass)

FT 338 Land Navigation

2.0 units

Acceptable for credit: D - Credit - Degree Applicable
A study of mapping and GPS skills as applied to fire, Haz-Mat and EMS emergency response. Emphasizes interpreting topographic maps and use of both the compass and GPS device. This course is not open to students who are enrolled in or have received credit for Emergency Medical Services 338 or Environmental Technology 338. (Fall, Spring) (Pass/No Pass)

FT 341 Fire Hydraulics

3.0 units

Acceptable for credit: D - Credit - Degree Applicable
Repeatable: 99.00
Prerequisite: FT 308 - Firefighter 1 Academy IB ; or State Fire Marshall certified basic fire fighting academy or equivalent as determined by the Director, Fire, Safety, and Emergency Medical Services. NOTE: Approval of equivalent training is not a guarantee state regulatory or licensing agencies will all grant equivalency
Hydraulic laws and formulas as applied to the fire service, including application of formulas and mental calculations to hydraulic problems, water supply problems, and underwriters' requirements for pumps. Reviews basic mathematics. (A) (Letter Grade or Pass/No Pass)

FT 343 Pump Theory

0.5 units

Acceptable for credit: D - Credit - Degree Applicable
Prerequisite: FT 308 - Firefighter 1 Academy IB ; or State Fire Marshall certified basic fire fighting academy or equivalent as determined by the Director, Fire, Safety, and Emergency Medical Services. NOTE: Approval of equivalent training is not a guarantee state regulatory or licensing agencies will also grant equivalency.
Explores theory and workings of different types of fire pumps. Topics include positive displacement, centrifugal, and varieties of pump impellers. (A) (Pass/No Pass)

FT 344 Emergency Vehicle Operations
0.5 units
Acceptable for credit: C - Credit - Not Degree Applicable
Students will learn defensive driving principles and apparatus handling techniques. Driving problems will be presented to the student in both class situations and field examples. The student will gain actual field experience by driving over a prepared course and having to react to different traffic problems. (Fall, Spring) (Letter Grade Only)

FT 346 Driver Operator 1B
2.0 units
Acceptable for credit: D - Credit - Degree Applicable
Limitations on Enrollment: Valid Class C Firefighter Endorsed driver's license and Fire Apparatus/Operator 1A (2008 or 2015 version)
Prerequisite: FT 308 - Firefighter 1 Academy IB or; or State Fire Marshall certified basic fire fighting academy or equivalent as determined by the Director, Fire, Safety, and Emergency Medical Services. NOTE: Approval of equivalent enrollment eligibility is not a guarantee that state regulatory and licensing authorities will also grant equivalency for licensure or employment purposes.
Provides the student with theory and operation of fire service pumps. Topics include pump maintenance, water supplies, field hydraulics and pump operating techniques. (A) (Pass/No Pass)

FT 347 Vehicle Extrication
0.5 units
Acceptable for credit: C - Credit - Not Degree Applicable
Introduction to the safe and proper techniques for extrication of trapped victims of vehicle accidents. Various tools are used and different extrication methods are presented. (Fall, Spring) (Pass/No Pass)

FT 348 Pump Operation for Volunteers
0.5 units
Acceptable for credit: D - Credit - Degree Applicable
Basic theory, methods, and techniques for operating fire service pumps at an emergency scene. (Letter Grade Only)

FT 360 Rescue Systems I
1.5 units
Acceptable for credit: D - Credit - Degree Applicable
Prerequisite: FT 308 - Firefighter 1 Academy IB ; or State Fire Marshall certified basic fire fighting academy or equivalent as determined by the Director, Fire, Safety, and Emergency Medical Services. NOTE: Approval of equivalent enrollment eligibility is not a guarantee that state regulatory and licensing authorities will also grant equivalencies for licensure or employment purposes.
Presents various rescue systems, ladders systems, lifting and moving heavy objects, emergency building shores, breaching walls and basic rope rescue. (Pass/No Pass)

FT 361 Confined Space Awareness
0.5 units
Acceptable for credit: C - Credit - Not Degree Applicable
Introduces fire service personnel to confined space entry/rescue training as required by CAL-OSHA title 8 General Safety Orders. (Letter Grade Only)

FT 362 Confined Space Rescue Technician
1.0 unit
Acceptable for credit: C - Credit - Not Degree Applicable
Prerequisite: FT 308 - Firefighter 1 Academy IB ; or State Fire Marshall certified basic fire fighting academy or equivalent as determined by the Director, Fire, Safety, and Emergency Medical Services. NOTE: Approval of equivalent enrollment eligibility is not a guarantee that state regulatory and licensing authorities will also grant equivalencies for licensure or employment purposes.
Identification of confined spaces and familiarization with CAL-OSHA and federal regulations. Techniques for hazard mitigation will be explored. (Fall, Spring) (Letter Grade or Pass/No Pass)

FT 363 Low Angle Rescue
1.0 unit
Acceptable for credit: C - Credit - Not Degree Applicable
Provides information on the skills, equipment and techniques that are necessary to successfully accomplish a basic low angle rescue. (Letter Grade Only)

FT 364 Rope Rescue Technician
1.0 unit
Acceptable for credit: D - Credit - Degree Applicable
Advisories: FT 360 - Rescue Systems I
Prerequisite: FT 363 - Low Angle Rescue
This course will prepare participants to undergo competency testing for high angle rescue. The scope of the program is to familiarize participants with the high angle environment and experience; and for them to safely participate in engineering and operation of simple to complex rescue systems. (Fall, Spring) (Pass/No Pass)

FT 365 Trench Rescue Technician
0.5 units
Acceptable for credit: D - Credit - Degree Applicable
Prerequisite: FT 360 - Rescue Systems I
This three day (24 hour) course will take you from classroom discussion to working safely and efficiently in a trench rescue environment. This hands-on training program will cover topics that include: Trench and Excavation Regulations, Understanding Soil, Trench Configurations, Trench Hazards, Rescue Team Preparation, Incident Response, Initial On Scene and Pre-Entry Operations, Shoring Systems and Components, Installation of Shoring Systems, Victim Rescue and Recovery and Incident Termination (Letter Grade or Pass/No Pass)

FT 370 Introduction to Surf Rescue
0.5 units
Acceptable for credit: C - Credit - Not Degree Applicable
Designed to acquaint rescue personnel with the surf environment, surf rescue equipment, and safe surf rescue practices. (Letter Grade Only)

FT 379A Public Safety Fitness Triade
4.0 units
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: N/A
This course is designed to prepare men and women for successful completion of a Public Safety Basic Academy in Law Enforcement, Fire Technology or Emergency Medical Services. This course will focus on physical, academic, emotional and psychological preparation. (Fall, Spring) (Letter Grade Only)

FT 384 Rescue Systems 2
1.0 unit
Acceptable for credit: D - Credit - Degree Applicable
Prerequisite: FT 360 - Rescue Systems I
Provides advanced heavy rescue system techniques. Key topics include: Structural building types, wood and mechanical shores, crib capacities, floor weight calculations, building search, confined space considerations, damaged structure hazard assessment, use of power tools, air bags, and USAR ICS. (Fall, Spring) (Pass/No Pass)

FT 399 Special Topics in Fire Technology
0.5 - 3.0 units
Acceptable for credit: -
- (Letter Grade or Pass/No Pass)

FT 410 Volunteer Firefighter
3.0 units
Acceptable for credit: C - Credit - Not Degree Applicable
Provides the volunteer firefighter with the minimum safety and technical training required for them to function in an effective, competent manner. (Letter Grade Only)

FT 483 Competency of Ignition Sources
1.0 unit
Acceptable for credit: C - Credit - Not Degree Applicable
Theory and fundamentals of how to conduct fire investigation in structures. Required course in order to maintain certification as a Certified Fire Investigator (CFI). (Fall, Spring) (Pass/No Pass)

Fire Tech

FTEC 301 Company Officer 2A - Human Resource Management
2.0 units
Acceptable for credit: D - Credit - Degree Applicable
This course provides information on the use of human resources to accomplish assignments, evaluating member performance, supervising personnel, and integrating health and safety plans, policies, and procedures into daily activities as well as the emergency scene. This is a California State Fire Training professional certification track course for Company Officer. (Fall, Spring) (Letter Grade Only)

FTEC 302 Company Officer 2B - General Administrative Functions
1.0 unit
Acceptable for credit: D - Credit - Degree Applicable
This course provides information on the general administrative functions and the implementation of department polices and procedures and addresses conveying the fire department's role, image, and mission to the public. This is a California State Fire Training professional certification track course for Company Officer. (Fall, Spring) (Letter Grade Only)

FTEC 303 Company Officer 2C - Fire Inspections and Investigations
2.0 units
Acceptable for credit: D - Credit - Degree Applicable
This course provides information on conducting inspections, identifying hazards and addressing violations, performing a fire investigation to determine preliminary cause, and securing the incident scene and preserving evidence. This is a California State Fire Training professional certification track course for Company Officer. (Fall, Spring) (Letter Grade Only)

FTEC 304 Company Officer 2D - All-Risk Command Operations
2.0 units
Acceptable for credit: D - Credit - Degree Applicable
This course provides information on conducting incident size-up, developing and implementing an initial plan of action involving single and multi-unit operations for various types of emergency incidents to mitigate the situation following agency safety procedures, conducting pre-incident planning, and developing and conducting post-incident analysis. This is a California State Fire Training professional certification track course for Company Officer. (Fall, Spring) (Letter Grade Only)

FTEC 305 Company Officer 2E - Wildland Incident Operations
2.0 units
Acceptable for credit: D - Credit - Degree Applicable
This course provides information on evaluating and reporting incident conditions, analyzing incident needs, developing and implementing a plan of action to deploy incident resources completing all operations to suppress a wildland fire, establishing an incident command post, creating an incident action plan, and completing incident records and reports. This is a California State Fire Training professional certification track course for Company Officer. (Fall, Spring) (Letter Grade Only)

FTEC 306 Instructor I - Instructional Methodology
2.0 units
Acceptable for credit: D - Credit - Degree Applicable
This course provides the skills and knowledge needed for the entry level professional instructor to perform his/her duties safely, effectively, and competently. The curriculum is based on the 2012 edition of NFPA 104 Standard for Fire Service Instructor

Professional Qualifications. At the end of this course, candidates for Instructor I certification will be able to teach and deliver instruction from a prepared lesson plan utilizing instructional aid and evaluation instruments. The Instructor-I will also be able to adapt a lesson plan and complete the reporting requirements to the local jurisdiction. This is a California State Fire Training professional certification track course for Company Officer. (Fall, Spring) (Letter Grade Only)

Fire Technology Noncredit

FTNC 7001 Spring Firefighter In-Service Training
40.0 - 45.0 hours
Acceptable for credit: N - Noncredit
C-ID Course Number: N/A
Limitations on Enrollment: Must have passed a college California State Fire Marshal's (CSFM) Office Firefighter I Academy or a Local Government Basic Training Recruit Academy or equivalent. NOTE: Approval of equivalent enrollment eligibility is not a guarantee that state regulatory and licensing authorities will also grant equivalency for licensure or employment purposes. Must be free of felony convictions, possess a valid California Driver's License. Students may be required to provide evidence of the minimum skills necessary to be successful in this course as demonstrated through a skills validation test prior to the start of the course.
Provides updated information and certifications in the areas of the California State Fire Marshal's (CSFM) curriculum's. Maintains proficiency in CSFM Firefighter I and Firefighter II curriculum's. Also provides Emergency Medical Technician and Paramedic training and re-certifications. To include specialized emergency operations training, drivers training, and current best practices with modern Fire and Emergency Medical Service topics. (Satisfactory Progress)

FTNC 7002 Fall Firefighter In-Service Training
40.0 - 45.0 hours
Acceptable for credit: N - Noncredit
Limitations on Enrollment: Must have passed a college California State Fire Marshal's (CSFM) Office Firefighter I Academy or a Local Government Basic Training Recruit Academy or equivalent. NOTE: Approval of equivalent enrollment eligibility is not a guarantee that state regulatory and licensing authorities will also grant equivalency for licensure or employment purposes. Must be free of felony convictions, possess a valid California Driver's License. Students may be required to provide evidence of the minimum skills necessary to be successful in this course as demonstrated through a skills validation test prior to the start of the course.
Provides updated information and certifications in the areas of the California State Fire Marshal's (CSFM) curriculum's. Maintains proficiency in CSFM Firefighter I and Firefighter II curriculum's. Also provides Emergency Medical Technician and Paramedic training and re-certifications. To include specialized emergency operations training, drivers training, and current best practices with modern Fire and Emergency Medical Service topics. (Satisfactory Progress)

FTNC 7003 Summer Firefighter In-Service Training
20.0 hours
Acceptable for credit: N - Noncredit
C-ID Course Number: N/A
Limitations on Enrollment: Must have passed a college California State Fire Marshal's (CSFM) Office Firefighter I Academy or a Local Government Basic Training Recruit Academy or equivalent. NOTE: Approval of equivalent enrollment eligibility is not a guarantee that state regulatory and licensing authorities will also grant equivalency for licensure or employment purposes. Must be free of felony convictions, possess a valid California Driver's License. Students may be required to provide evidence of the minimum skills necessary to be successful in this course as demonstrated through a skills validation test prior to the start of the course.
Provides updated information and certifications in the areas of the California State Fire Marshal's (CSFM) curriculum's. Maintains proficiency in CSFM Firefighter I and Firefighter II curriculum's. Also provides Emergency Medical Technician and Paramedic training and re-certifications. To include specialized emergency operations training, drivers training, and current best practices with modern Fire and Emergency Medical Service topics. (Satisfactory Progress)

Global Studies

GBST 101 Introduction to Global Studies
3.0 units
Acceptable for credit: Transfer to UC, CSU
Introduction to the phenomenon of globalization and a broad range of cultural, economic, political, and social issues confronting the globalized world today. Structured around three thematic categories:(1) culture and society,(2) governance and conflict, and (3) integrated economic systems. Designed to explore multifaceted connections among nation-states; nongovernmental organizations; ethnic, cultural, and religious groups; and populations around the world. (Letter Grade or Pass/No Pass)

GBST 141 Global Economics
3.0 units
Acceptable for credit: Transfer to UC, CSU
Advisories: Completion of or concurrent enrollment in; ECON 101 - Principles of Macro-Economics ; or ECON 102 - Principles of Micro-Economics ; or ECON 121 - Business Economics ; or BUS 121 - Business Economics
An introduction to international economic issues. Explores why countries trade and addresses the consequences of trade restrictions. Alternative exchange rate systems, factors that cause exchange-rate fluctuations, and the determinants of a country's balance of trade are covered. Other topics include the politics of trade policy, the impact of trade on the job market, the role of international institutions in the global economy, financial crises, global environmental issues, and international debt problems. This course is not open to students who are enrolled in or have received credit for Business 141 or Economics 141. May be taken prior to or concurrently with Econ 101 or Econ 102, or Econ 121 or Bus 121. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

Geography

GEOG 101 Physical Geography
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: GEOG 110
Advisories: ENGL 101 - Freshman Composition: Exposition
An introduction to the earth's physical geography, addressing the origins, patterns and interconnections of weather/climate, water, landforms, living systems and human culture. (Fall, Spring) (Letter Grade or Pass/No Pass)

GEOG 102 Human Geography
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: GEOG 120
A historical perspective is used to explore our human role in shaping the earth's cultural landscapes. Globalization and cultural diversity are course themes. Topics include population and migration; the geography of language, religion, and social customs; economic forms; settlements; and resource problems. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

GEOG 103 World Regional Geography
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: GEOG 125
A study of the world's major geographic regions. The course focuses on the increasing globalization of the world and a movement towards greater emphasis on cultural diversity. (Letter Grade or Pass/No Pass)

GEOG 105 Geography of California
3.0 units
Acceptable for credit: Limited transfer to CSU and UC
C-ID Course Number: GEOG 140
A survey of the geography of California, including the physical environment, weather and climate, population and migration, industry and agriculture, and major cultural patterns. Themes will include: cultural diversity, economic and political trends, resource issues, and the human-environment interaction. (Spring) (Letter Grade or Pass/No Pass)

GEOG 110 Introduction To Weather and Climate
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: GEOG 130
Advisories: GEOG 101 - Physical Geography
An introduction to the physical processes underlying atmospheric and weather phenomena, including global climate change and the impacts of various weather and climate phenomena on society. Topics include atmospheric structure and composition, solar radiation and energy balances, temperature, seasonal changes, atmospheric moisture, clouds and fog, precipitation, air pressure, winds, air masses and fronts, cyclones, dynamics of the atmosphere and ocean, weather forecasting, climate and climate change. (Letter Grade or Pass/No Pass)

GEOG 115 Physical Geography Laboratory
1.0 unit
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: N/A
Prerequisite: GEOG 101 - Physical Geography or concurrent enrollment in GEOG 101.
This course is design to provide supplemental exercises in topics covered in Physical Geography lecture. Lab experience will include map analysis and interpretation, weather prognostication, landform processes and evolution, tectonics, biogeography, and habitat analysis. (Fall, Spring) (Letter Grade or Pass/No Pass)

GEOG 155 Introduction to GIS with Lab
2.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: GEOG 155
Study of Geographic Information Systems (GIS) science and its applications to spatial data management. Identification and acquisition of GIS data. Assessment of vector and raster systems, scale, resolution, map projection, coordinate systems, georeferencing and Global Positioning Systems (GPS). Spatial analysis and modeling with GIS. (Fall, Spring) (Letter Grade or Pass/No Pass)

GEOG 189 Independent Projects in Geography
1.0 - 3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Courses for students capable of independent work who demonstrate the need or desire for additional study beyond the regular curriculum. Enrollment allows students to pursue activities such as directed field experience, research, or development of skills and competencies under faculty advisement and supervision. Independent projects may be earned in most disciplines. Students wishing to enroll in Independent Projects should contact the appropriate instructor identified in the class schedule. If the project proposed is acceptable to that instructor, a contract will be developed. All contracts for these classes must be completed and submitted to the Records Office no later than the end of the second week of the semester. Students may enroll for any combination (unit value) of Independent Projects 189 and/or 389 for a total of four semesters in a specific discipline. Units are awarded depending upon satisfactory performance and the amount of time committed by the student to the course. Allowable units vary according to discipline, and are based on the following formula: 1 unit - 48 hours per semester 2 units - 96 hours per semester 3 units - 144 hours per semester (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

Geology

GEOL 100 Physical Geology
4.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: GEOL 101
Physical Geology explores the processes that are shaping Earth today. It examines the formation of rocks and mineral resources, the volcanic and tectonic activity that accompany release of Earth's internal heat, and the sculpting of the planet's surface that occurs

as air, water and ice move in response to gravity and energy from the Sun. Lab activities include identification of rocks and minerals, interpretation of topographic and geologic maps, and field studies of regional geologic features. (Fall, Spring) (Letter Grade or Pass/No Pass)

GEOL 111 Historical Geology
4.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: GEOL 111
Advisories: ENGL 100 - Writing in Career/Tech Fields ; or ENGL 101 - Freshman Composition: Exposition ; or ENGL 110 - Grammar for College and Career
Historical Geology explores how Earth and the life it supports have changed through time. Geologic principles are used to reconstruct the planet's origin and the events that have modified the physical environment, whereas fossils are used to trace the history of life and discover how natural selection and environmental change have shaped living communities. Lab exercises include the identification of rocks and fossils, map interpretation, and field study of regional geologic history. (Spring) (Letter Grade or Pass/No Pass)

GEOL 114 Oceanography
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: none
An introduction to the physical and biological aspects of the marine environment, including processes of heat transfer, tides, currents, waves, life in the marine ecosystem, geological processes of shorelines, deep sea geology, plate tectonics, and marine economic resources. Includes field trips to local Coastal areas. (Letter Grade or Pass/No Pass)

GEOL 115 Oceanography Lab
1.0 unit
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: N/A
Corequisite: GEOL 114 - Oceanography or completion of GEOL 114
This course introduces the student to laboratory and field methods in oceanography. Topics include physical, chemical and geological processes along with human impacts on the ocean environment. The course includes field trips to locations on the central California coast. (Fall, Spring) (Letter Grade or Pass/No Pass)

GEOL 131 Geology Of California
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: GEOL 200
An overview of the geologic features and history of California emphasizing an understanding of California's past and present plate tectonic setting, unique landscape features, resources and hazards. (Letter Grade or Pass/No Pass)

GEOL 141 Environmental Geology
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: GEOL 130
A study of humankind's scientific, social, and ethical interactions with earth systems. Topics include earth processes, geologic hazards, the earth's renewable and non-renewable resources, and the earth's ability accept the products of human waste. This course is not open to students who have received credit for Environmental Studies 102. (Fall, Spring) (Letter Grade or Pass/No Pass)

GEOL 189 Independent Projects in Geology
1.0 - 3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: none
Courses for students capable of independent work who demonstrate the need or desire for additional study beyond the regular curriculum. Enrollment allows students to pursue activities such as directed field experience, research, or development of skills and competencies under faculty advisement and supervision. Independent projects may be earned in most discipline. Students wishing to enroll in Independent Projects should contact the appropriate instructor identified in the class schedule. If the project proposed is acceptable to that instructor, a contract will be developed. All contracts for these classes must be completed and submitted to the Records Office no later than the end of the second week of the semester. Units are awarded depending upon satisfactory performance and the amount of time committed by the student to the course. Allowable units vary according to discipline, and are based on the following formula: 1 unit- 48 hours per semester 2 units - 96 hours per semester 3 units - 144 hours per semester (Letter Grade or Pass/No Pass)

GEOL 199A Topics in Geology: CA Deserts
2.0 units
Acceptable for credit: D - Credit - Degree Applicable
A 90 hour field trip which will explore geologic features and geologic history of selected portions of California's deserts. The course is divided into two field trips: first to the Mojave Desert and to Death Valley National Monument (prior to and partly during spring recess), and second to the southern California desert near the Salton Sea and Anza-Borrego State Park (in the latter part of May). (Letter Grade or Pass/No Pass)

Graphics

GRPH 108 Design 1 on the Computer
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: n/a
This course is an introduction to the concepts, applications, and historical references related to two-dimensional art and composition, including the study of basic design principles and elements. Students will develop a visual vocabulary for creative expression through lectures, studio projects, problem-solving, and writing assignments. This course covers the same content as Art 110, but projects are executed digitally using the computer. This course is not open to students who are enrolled in or have received credit for ART 108. (Fall, Spring) (Letter Grade or Pass/No Pass)

GRPH 110 Introduction to Graphic Design
3.0 units
Acceptable for credit: Transfer CSU

C-ID Course Number: N/A
Advisories: ART 110 - Design 1 ; or GRPH 108 - Design 1 on the Computer ; or ART 108 - Design 1 on the Computer ; or PHTO 110 - Basic Photography
This course is an introduction to the theories, principles and processes of Graphic Design. Students develop visual communication skills and create digital artwork for printing, publishing and manufacturing industries. Topics include graphic design history; developing strong conceptual and production skills. Students work in a digital studio environment using Apple computers, current Adobe Creative Suite software and digital printing equipment. (Fall, Spring) (Letter Grade or Pass/No Pass)

GRPH 111 Digital Imagery Lab
1.0 unit
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Prerequisite: Completion of or concurrent enrollment in; GRPH 112 - Digital Imagery
This course teaches students how to construct, edit and process digital images using Adobe Photoshop software and Apple Macintosh computers, color scanners, and digital color printers for a variety of black/white and color projects. Students will explore creative solutions to assignments and utilize current technology to develop and process digital images for various industries including printing, digital publishing, photography, animation and video editing. (Fall, Spring) (Letter Grade or Pass/No Pass)

GRPH 112 Digital Imagery
3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Introduces students to the use of Apple computers and Adobe Photoshop for developing and editing digital images for use in graphic design, photography, web, video and motion graphics production. Students will learn raster image resolutions, file formats, color systems and professional creative practices for acquisition, creation, editing and processing for various industries including printing, digital publishing, animation, and video editing. (Fall, Spring) (Letter Grade or Pass/No Pass)

GRPH 113 Digital Illustration
3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Advisories: GRPH 108 - Design 1 on the Computer ; GRPH 110 - Introduction to Graphic Design
This course is an introduction to the field of illustration and vector-based drawing using Adobe Illustrator software and Apple computers. Emphasis will be placed on developing skills for producing graphics and illustrations for various commercial art marketplaces. Critical thinking and visual problem solving skills will be integrated with current digital illustration practices, tools and publishing technologies. (Spring) (Letter Grade or Pass/No Pass)

GRPH 114 Digital Illustration Lab
1.0 unit
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Corequisite: completion of, or concurrent enrollment in GRPH 113
This lab provides opportunities to create and develop digital illustrations and graphic designs utilizing current Adobe Illustrator software and Apple computers in a studio/lab environment. Students will explore the tools, techniques and processes used in developing artwork for graphic design and illustration projects for single and multi-color printing, publishing, and manufacturing processes. (Spring) (Letter Grade or Pass/No Pass)

GRPH 115 Digital Design and Publishing
3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Advisories: GRPH 110 - Introduction to Graphic Design ; or GRPH 112 - Digital Imagery ; or GRPH 113 - Digital Illustration
This course examines digital publication design tools and processes. Students will explore the tools, apply design principles, and learn about industry best-practices used in developing artwork for single-page, multi-page and long-form documents. They will develop knowledge of digital prepress requirements for print production and digital publications utilizing current Adobe InDesign software and Apple computers. Other software used includes text editors, Adobe Photoshop and Adobe Illustrator. (Spring) (Letter Grade or Pass/No Pass)

GRPH 116 Web Portfolio and Social Media
3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Introduces fundamental concepts, terminology and techniques to design and manage digital portfolios and develop brand identity for web and social media. Topics include designing for web and social media; presentation techniques for digital portfolios and using social media applications such as Facebook, Instagram, YouTube, Tumblr, and emerging social media platforms. (Spring) (Letter Grade or Pass/No Pass)

GRPH 117 Typography
3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Advisories: GRPH 108 - Design 1 on the Computer ; GRPH 110 - Introduction to Graphic Design
This class is an investigation of the expressive potential of typography as a critical element of visual communication and digital media. Students will be introduced to the history of letterforms, elements of basic typography, typographic styles and production techniques. Projects focus on the mechanics of type design, visual appropriateness, and type legibility. Students explore the creative use of typography as a fundamental communication tool using both traditional and digital media. This 3 unit course is a lecture/lab combination and lab work is on Apple computers using current Adobe Creative Suite Software. (Fall) (Letter Grade Only)

GRPH 118 User Interface Design
3.0 units
Acceptable for credit: Transfer CSU

Advisories: GRPH 112 - Digital Imagery ; or GRPH 113 - Digital Illustration
Introduction to digital interface design with an emphasis on usability and design aesthetics for developing web sites. Graphic design principles and human-centered design concepts are integrated to help develop and build successful interfaces that are meaningful to users and easy to navigate. Topics include designing for interactivity and efficiency; branding; visual content file formats and resolution; visual flow and composition; color, and typography. Software used: current versions of Adobe Creative Suite. Languages taught include HTML and CSS. (Fall) (Letter Grade or Pass/No Pass)

GRPH 120 Advanced Design for Publishing
3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Prerequisite: GRPH 115 - Digital Design and Publishing
This course is designed to advance the skills learned in GRAPH 115 to design for print and digital publishing systems. Production, management, and creative skills for printing and publishing processes are further explored using current versions of Adobe InDesign, Adobe Photoshop, Adobe Illustrator and other Adobe Creative Suite software. The lab experience allows for the development of complex projects in a professional publishing environment equipped with Apple Macintosh computers and high quality digital printers. (Spring) (Letter Grade or Pass/No Pass)

GRPH 121 Advanced Design for Publishing Lab
1.0 unit
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Corequisite: GRPH 120 - Advanced Design for Publishing
Prerequisite: GRPH 115 - Digital Design and Publishing ; GRPH 125 - Digital Design and Publishing Lab
This lab provides opportunities to plan, design, create and produce more advanced publication layouts utilizing current Adobe InDesign software and Apple computers in a studio/lab environment. Students will explore the tools, techniques and processes used in developing artwork for multi-page documents and books for both print and digital publications. (Spring) (Letter Grade or Pass/No Pass)

GRPH 125 Digital Design and Publishing Lab
1.0 unit
Acceptable for credit: Transfer CSU
Corequisite: GRPH 115 - Digital Design and Publishing
This lab provides opportunities to design, create and produce a variety of publication layouts utilizing current Adobe InDesign software and Apple computers in a studio/lab environment. Students will explore the tools, techniques, and processes used in developing artwork for single page, multiple page and long-form documents for print production and digital publications. (Spring) (Letter Grade or Pass/No Pass)

GRPH 127 History of Graphic Design
3.0 units
Acceptable for credit: Transfer to UC, CSU
A study of the development of visual communication in art, graphic design, illustration and popular culture. Emphasis is on the role of graphic designers and illustrators, the impact and interpretation of graphic images, symbols, and typography used in informative and persuasive media. The course is designed for graphics majors who want to transfer and is a Humanities elective for general education requirements. (Fall) (Letter Grade or Pass/No Pass)

GRPH 129 Digital Tools for Visual Media
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: N/A
A hands-on overview of computer operations, industry standard software and equipment common to digital visual communication. Students will apply art and design theory in the exploration of tools used in vector graphics, digital imaging, motion graphics and animation, and digital media interface design. Topics include media development, interactivity, file formats, storage and file management, industry trends and career options. Familiarity with current design software, hardware, input, and output devices will be established. Assignments integrate digital tools, techniques, and creative design using text and image, digital video and audio, and interactivity. The course is not open to students who are enrolled or have completed MMAC 129. (Fall) (Letter Grade or Pass/No Pass)

GRPH 130 3D Modeling For Production
3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Advisories: GRPH 112 - Digital Imagery ; or GRPH 113 - Digital Illustration
A study of 3D modeling as it applies to industrial design, packaging and animation. Topics include render theory and practices; and surface manipulation of objects. Polygonal and subdivision operations for 3D modeling will be stressed. 3D computer graphics will utilize programs such as Maya and Mudbox. Prior experience will raster and vector elements is desirable. This course is an elective for Applied Design/Media. (Spring) (Letter Grade or Pass/No Pass)

GRPH 189 Independent Projects in Graphics
1.0 - 3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Courses for students capable of independent work who demonstrate the need or desire for additional study beyond the regular curriculum. Enrollment allows students to pursue activities such as directed field experience, research, or development of skills and competencies under faculty advisement and supervision. Independent projects may be earned in most disciplines. Students wishing to enroll in Independent Projects should contact the appropriate instructor identified in the class schedule. If the project proposed is acceptable to that instructor, a contract will be developed. All contracts for these classes must be completed and submitted to the Records Office no later than the end of the second week of the semester. Students may enroll for any combination (unit value) of Independent Projects 189 and/or 389 for a total of four semesters in a specific discipline. Units are awarded depending upon satisfactory performance and the amount of time

committed by the student to the course. Allowable units vary according to discipline, and are based on the following formula: 1 unit - 48 hours per semester 2 units - 96 hours per semester 3 units - 144 hours per semester (Fall, Spring) (Letter Grade or Pass/No Pass)

GRPH 360 Applied Design Graphics Lab 1
0.5 - 1.0 units
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: N/A
Corequisite: Completion of, or concurrent enrollment in; any of the following: ART 107 or ART 108 or GRPH 108 or GRPH 110 or GRPH 112 or GRPH 113 or GRPH 115 or GRPH 116 or GRPH 117 or GRPH 118 or GRPH 120 or GRPH 130
This lab is designed to provide beginning level students the opportunity to refine and expand artistic and technical skills learned in ART 108, ART 107, GRPH 108, 110, 112, 113, 115, 116, 117, 118, 120, and/or 130. Students work on diverse imaging software including Adobe Creative Suite, Maya, and Mudbox on Apple Macintosh computers and have access to digital printers. (Fall, Spring) (Pass/No Pass)

GRPH 361 Applied Design Graphics Lab 2
0.5 - 1.0 units
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: N/A
Corequisite: ART 107 or ART 108 or GRPH 110 or GRPH 112 or GRPH 113 or GRPH 115 or GRPH 116 or GRPH 117 or GRPH 118 or GRPH 120 or GRPH 130
Prerequisite: GRPH 360 - Applied Design Graphics Lab 1
This lab is designed to provide intermediate design students opportunities to refine and expand intermediate level artistic and technical skills learned in ART 107, ART 108, GRPH 108, GRPH 110, GRPH 112, GRPH 113, GRPH 115, GRPH 116, GRPH 117, GRPH 118, GRPH 120, and/or GRPH 130. Students work on diverse imaging software including Adobe Creative Suite, Maya, and Mudbox on Apple computers and have access to digital printers. (Fall, Spring) (Pass/No Pass)

GRPH 362 Applied Design Graphics Lab 3
0.5 - 1.0 units
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: N/A
Corequisite: Completion of or concurrent enrollment in any one of the following: ART 107 or ART 108 or GRPH 110 or GRPH 112 or GRPH 113 or GRPH 115 or GRPH 116 OR GRPH 117 or GRPH 118 or GRPH 120 or GRPH 130.
Prerequisite: GRPH 361 - Applied Design Graphics Lab 2
This lab is designed to provide advanced design students opportunities to refine and expand advanced level artistic and technical skills learned in ART 107, ART 108, GRPH 108, GRPH 110, GRPH 112, GRPH 113, GRPH 115, GRPH 116, GRPH 117, GRPH 118, GRPH 120, and/or GRPH 130. Students work on diverse imaging software including Adobe Creative Suite, Maya, and Mudbox on Apple computers and have access to digital printers. (Pass/No Pass)

Health And Safety (Noncredit)

HEAL 7002A Body Conditioning
0.0 hours
Acceptable for credit: N - Noncredit
Develop a healthier, more balanced body in this fitness conditioning class. Designed for the beginning-to-advanced exerciser, this course focuses on cardiovascular conditioning and resistance exercises to build muscle and tone the body. Injury prevention and proper body mechanics are emphasized.

HEAL 7021 Balance and Mobility
16.0 - 24.0 hours
Acceptable for credit: N - Noncredit
C-ID Course Number: N/A
This class is designed for older adults identified as low-to-moderate risk for falls. Class activities target specific balance problems in a challenging, but safe training environment. This class is not intended to replace physical therapy. (Fall, Spring, Summer) (Noncredit)

HEAL 7101 Mature Driver Improvement
2.0 - 8.0 hours
Acceptable for credit: N - Noncredit
C-ID Course Number: N/A
The Mature Driver Improvement Course provides instruction on defensive driving and California motor vehicle laws. During this course, information is provided on (but not limited to) updates on rules of the road, the effects medication, fatigue, alcohol, visual and auditory limitations have on a mature driver's ability to safely operate a motor vehicle. (Fall, Spring, Summer) (Noncredit)

HEAL 7103 Meditation: Beyond Relaxation
12.0 - 16.0 hours
Acceptable for credit: N - Noncredit
C-ID Course Number: NA
Students develop consciousness to assess their own stress level and identify stressors, including their perceptions. A clear model of how the body and mind experience the stress reaction accompanies guided relaxation and meditation practice both in class and at home using video and audio recordings. Observations are journaled. Students who have taken the 4-week Stress Management course multiple times have reported, and display objective changes in their wellbeing, physical health, and social comfort levels. (Spring) (Noncredit)

HEAL 7104 Stress Management
4.0 - 8.0 hours
Acceptable for credit: N - Noncredit
Stress is not bad for you, your reaction to it is! This course teaches you to be less susceptible to the negative physical and emotional reactions to life's stresses. Discover how to use stress to your advantage. Learn effective coping skills, communication skills, and relaxation exercises. (Fall, Spring) (Noncredit)

HEAL 7105 Reduce Stress w/ Self-Hypnosis
16.0 - 18.0 hours
Acceptable for credit: N - Noncredit
C-ID Course Number: N/A

Self-Hypnosis, relaxation and concentration are introduced through the simple steps of induction, deepening, and the use of positive, present and progressive self-suggestion. Students will also develop a heightened sense of self determination and confidence that will benefit other aspects of life including health, study, community, work, and family. (Fall, Spring, Summer) (Noncredit)

HEAL 7106 Living with Food Allergies

2.0 - 8.0 hours

Acceptable for credit: N - Noncredit

This course explores topics about food allergies, such as identifying allergies, differentiating between allergies and food intolerance or sensitivity, reading food labels, causality, treatment, cooking tips, and restaurant guidelines. Students learn the consequences of food allergies, which can result in serious illness or death.

Health Education

HED 100 Social and Personal Health and Wellness

3.0 units

Acceptable for credit: Transfer to UC, CSU

C-ID Course Number: N/A

Students will learn and synthesize information concerning the impact of the social determinants of health, including education, socioeconomic status, race, sexual orientation, disability and gender. Students are provided with a broad foundation of knowledge dealing with such social determinants in mental health, stress management, fitness, diet and weight control, prevention and control of communicable and non-communicable diseases, drugs and alcohol, first aid, cancer prevention and control, and the scope of, and access to community health services. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

History

HIST 101 World Civilizations to 1600

3.0 units

Acceptable for credit: Transfer to UC, CSU

C-ID Course Number: HIST 150

An interdisciplinary, multi-cultural exploration of the development of the great civilizations: China/Japan, Egypt, Greece/Rome, India, Mesopotamian, and Pre-Columbian. Important ideas, events and discoveries are explored through literature, folklore, art history, philosophy, and science. This course is not open to students who are enrolled in or have received credit for HUM 101. (Fall, Spring) (Letter Grade or Pass/No Pass)

HIST 102 World Civilizations Since 1500

3.0 units

Acceptable for credit: Transfer to UC, CSU

C-ID Course Number: HIST 160

An interdisciplinary examination of the expansion, contraction, and conflicts of the major world civilizations from the 16th century to the present. Focus is on ideas, events, and discoveries that have shaped our world as viewed through literature, folklore, art history, philosophy, and science. This course is not open to students who are enrolled in or have received credit for HUM 102. (Letter Grade or Pass/No Pass)

HIST 103 East Asian Civilization

3.0 units

Acceptable for credit: Transfer to UC, CSU

C-ID Course Number: NA

An interdisciplinary, multicultural exploration of the development of the civilizations of East Asia from their origins through the 20th century including China, Japan, and South East Asia. Important ideas, events, and discoveries are explored through literature, folklore, art history, philosophy, and science. This course is not open to students who are enrolled in or have received credit for HUM 103. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

HIST 104 Western Civilizations to 1650

3.0 units

Acceptable for credit: Transfer to UC, CSU

C-ID Course Number: HIST 170

Surveys the origins, development, and characteristics of Western civilization from earliest times through the period of European exploration and colonization, emphasizing main currents in political, economic, social, intellectual, and scientific history. An effort is made to include some study of the "non-West." This course is not open to students who are enrolled in or have received credit for HUM 104. (Fall, Spring) (Letter Grade or Pass/No Pass)

HIST 105 Western Civilization Since 1650

3.0 units

Acceptable for credit: Transfer to UC, CSU

C-ID Course Number: HIST 180

Surveys the development and characteristics of Western civilization from 1600 to the present, emphasizing main currents in political, economic, social, intellectual, and scientific history. Some study of the "non-West" is included. This course is not open to students who are enrolled in or have received credit for HUM 105. (Letter Grade or Pass/No Pass)

HIST 107 U S History to 1877

3.0 units

Acceptable for credit: Transfer to UC, CSU

C-ID Course Number: HIST 130

A survey of United States history (New World exploration to 1877) and its method of research through critical thinking involving the economic, political, international, and ethnic factors fundamental for understanding the nation's origins and early development. (Letter Grade or Pass/No Pass)

HIST 108 U S History from 1877 to Present

3.0 units

Acceptable for credit: Transfer to UC, CSU

C-ID Course Number: HIST 140

A survey of United States history (1877 to the present) through philosophic systems as related to critical thinking involving the political, ethnic, economic, and international factors fundamental for understanding the nation's growth since the Civil War. (Letter Grade or Pass/No Pass)

HIST 118 United States History
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: N/A
A brief survey of United States history (New World exploration to the present), and its method of research through critical thinking involving the economic, political, international, and ethnic factors fundamental for understanding the nation's origins and growth. (Letter Grade or Pass/No Pass)

HIST 119 History of California
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: N/A
The history of California from the earliest explorers to the present, with emphasis on major social and cultural themes. (Letter Grade or Pass/No Pass)

HIST 120 Chicano History
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: N/A
A historical survey of the Chicano residing in the southwest United States. The course provides an interdisciplinary survey of the Mexican American/Chicano heritage with emphasis on the contemporary experience in the United States. The course will include an analysis of the economic, political, social, and intellectual elements of the culture of the Mexican American/ Chicano community, and a study of the changing relationship of the community to the general society of the United States. This course is not open to students who are enrolled in or have received credit for ES 120. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

HIST 121 African American History
3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
This is a survey of the history of African Americans from their origins in Africa to the present covering the political, cultural, social, and economic experiences of African Americans. Students will encounter the social, economic, and legal institutions which characterized being black in the United States at various periods in the nation's history. Topics include African civilization, slavery, the Diaspora, abolition, reconstruction, segregation, Harlem Renaissance, Civil Rights Movement, African Americans in politics, and race in Modern America. This course is not open to students who are enrolled in or have received credit for ES 121. (Letter Grade or Pass/No Pass)

HIST 138 Deaf History
3.0 units
Acceptable for credit: Transfer to UC, CSU
Advisories: ENGL 514 - Writing Skills 4 ; or eligibility for ENGL 101
A culturally diverse exploration of the deaf from Aristotle to the present. Focus is on the ideas, events and laws that have shaped the community as viewed through literature, folklore, art, and philosophy. Interrelationship of societies is emphasized. This course is not open to students who are enrolled in or have received credit for ASL 138. (Spring) (Pass/No Pass)

HIST 189 Independent Projects
0.0 units
Acceptable for credit: Transfer CSU
Courses for students capable of independent work who demonstrate the need or desire for additional study beyond the regular curriculum. Enrollment allows students to pursue activities such as directed field experience, research, or development of skills and competencies under faculty advisement and supervision. Independent projects may be earned in most disciplines. Students wishing to enroll in Independent Projects should contact the appropriate instructor identified in the class schedule. If the project proposed is acceptable to that instructor, a contract will be developed. All contracts for these classes must be completed and submitted to the Records Office no later than the end of the second week of the semester. Students may enroll for any combination (unit value) of Independent Projects 189 and/or 389 for a total of four semesters in a specific discipline. Units are awarded depending upon satisfactory performance and the amount of time committed by the student to the course. Allowable units vary according to discipline, and are based on the following formula: 1 unit - 48 hours per semester 2 units - 96 hours per semester 3 units - 144 hours per semester (Letter Grade or Pass/No Pass)

Health

HLTH 7001 Personal Care Attendant I
32.0 - 36.0 hours
Acceptable for credit: N - Noncredit
C-ID Course Number: N/A
Corequisite: HLTH 7002 - Personal Care Attendant II
The course prepares students to assist patients and families with non-medically directed personal care; assist with home management activities; care for patients with dementia and Alzheimer’s disease; and/or assist in the needs associated with end-of-life care. (Spring) (Noncredit)

HLTH 7002 Personal Care Attendant II
16.0 - 18.0 hours
Acceptable for credit: N - Noncredit
C-ID Course Number: N/A
Corequisite: HLTH 7001 - Personal Care Attendant I
This is the corresponding laboratory course to the Personal Care Attendant program. It prepares students to assist patients and families with non-medically directed personal care; assist with home management activities; care for patients with dementia and Alzheimer’s disease; and/or assist in the needs associated with end-of-life care. (Spring) (Noncredit)

HLTH 7113 Think Like a Registered Nurse
16.0 - 36.0 hours
Acceptable for credit: N - Noncredit
Repeatable: 5.00
C-ID Course Number: NA
Corequisite: Any RN courses
The course enables development of clinical thinking processes in dealing with health-related situations. It is based on National

Council of State Boards of Nursing recommendations, Benner's Novice-to-Expert Model, Tanner's Model of Clinical Judgment, and clinical judgment competencies. (Fall, Spring) (Noncredit)

HLTH 7114 Think Like a Vocational Nurse
16.0 - 18.0 hours
Acceptable for credit: N - Noncredit
Repeatable: 8.00
C-ID Course Number: NA
Corequisite: Any VN nursing course
The course enables development of clinical thinking processes in dealing with health-related situations. It is based on National Council of State Boards of Nursing recommendations, Benner's Novice-to-Expert Model, Tanner's Model of Clinical Judgment, and Caputi's Clinical Judgment Competencies. (Fall, Spring) (Noncredit)

HLTH 7200 CR Central Service Technician Concepts
90.0 - 100.0 hours
Acceptable for credit: N - Noncredit
Repeatable: 99.00
Corequisite: HLTH 7201 - CR Central Service Technician Applications
This theory course covers the required knowledge, skills, and professional behaviors of the central service technician. It includes medical terminology, anatomy, microbiology, regulations and standards, and infection prevention as these apply to decontamination, cleaning, and disinfection of surgical instrumentation and complex surgical instruments. It emphasizes specific processes like assembly and packaging, sterilization, storage, and transport as well as monitoring and record keeping and quality assurance. (Fall) (Noncredit)

HLTH 7201 CR Central Service Technician Applications
400.0 hours
Acceptable for credit: N - Noncredit
Repeatable: 99.00
Corequisite: HLTH 7200 - CR Central Service Technician Concepts
This laboratory course reinforces all the concepts in the theory course. The student will apply these concepts, practice with equipment, and perform hands-on work experiences including decontamination, preparing and packaging instruments, sterilization and disinfection, storage and distribution, quality assurance processes, and equipment. The course meets the required hours of work experiences to be eligible for certification examination. (Fall)

Home Economics (Noncredit)

HOEC 7003 Quick Meals With Whole Foods
12.0 hours
Acceptable for credit: N - Noncredit
Explore the use of whole foods to prepare quick, nutritious meals. Learn fast ways to achieve a nutritious diet using the microwave oven, wok, pressure cooker, food processor, bread machine, and other basic, kitchen appliances. (Fall, Spring) (Noncredit)

HOEC 7004 Meals for Home Entertainment
8.0 - 9.0 hours
Acceptable for credit: N - Noncredit
Learn basic food preparation techniques to successfully plan and execute an entertaining home dining event. Discussion topics include meal planning, food purchasing, preparation techniques, garnishes, serving, and food-safety procedures. (Fall, Spring, Summer) (Noncredit)

HOEC 7005 Healthy Meals in 30 Minutes
2.0 - 8.0 hours
Acceptable for credit: N - Noncredit
Prerequisite: TEEN Y
Prepare healthy foods using techniques and strategies that cut preparation time and calories while maintaining flavor and appearance, i.e., microwave, batch cooking, and portion freezing methods.

HOEC 7007 Cultural Aspects of Food
8.0 - 12.0 hours
Acceptable for credit: N - Noncredit
Learn to cook culinary specialties of many lands and enjoy new taste experiences while learning about the social, economic, and nutritional significance of food customs. Prepare and sample authentic international dishes. Different cuisines of the world are explored each semester including but not limited to Mediterranean, Mexican, Caribbean, Greek, and Thai. (Noncredit)

HOEC 7009 Holiday Cookies and Candy
3.0 - 12.0 hours
Acceptable for credit: N - Noncredit
Share in the holiday festivities by learning dozens of recipes for traditional favorites, new creations, and international cookies and candy. Basic procedures of baking and shaping to produce drop, shaped, spiral, bar, and layered cookies are practiced. Also learn to use various fillings and icings for more creative baking. This class is open to beginning-through-advanced bakers.

HOEC 7011 Holiday Foods: The Easy Way
64.0 - 72.0 hours
Acceptable for credit: N - Noncredit
Holiday dishes for seasonal celebrations can be prepared faster, tastier, and more nutritiously with the aid of a microwave oven and other time-saving techniques. Prepare and sample a range of holiday foods such as Fruited Pork Roast, Turkey Breast with Cranberry Glaze, Wild Rice Medley, Pecan Pie, Twice-Baked Sweet Potatoes, Chocolate Bourbon Balls, and Dickens' Plum Pudding. (Letter Grade or Pass/No Pass)

HOEC 7023 Vegetarian Cooking
6.0 - 18.0 hours
Acceptable for credit: N - Noncredit
This course introduces principles of meal planning, preparation techniques, and recipe conversion for vegetarian dishes that emphasize low-fat, low-sugar, and meat replacement. Topics include low-fat cooking; meatless meals for breakfast, lunch, and dinner; meatless meals using legumes, vegetables, and whole grains; and low-sugar cooking. Recipes are prepared and evaluated.

HOEC 7024 Microwave Cooking
4.0 - 16.0 hours
Acceptable for credit: N - Noncredit
Learn to prepare multi-course meals in a microwave oven. This course covers both basic and advanced microwave cooking techniques including appropriate utensils and their use, adapting recipes for the microwave, food preparation techniques, and defrosting and reheating foods.

HOEC 7030 Chocolate Desserts
3.0 - 12.0 hours
Acceptable for credit: N - Noncredit
Learn new ways to indulge your loved ones' chocolate desires. Make chocolate lava cake, a chocolate caramel tart, chocolate chip brownies, and chocolate cups. Basic candy-making methods and proper handling of chocolate are covered. Decorative chocolate work, including chocolate leaves, cups, and cutouts are demonstrated.

HOEC 7035 Light Cooking for 1-2 People
7.5 - 8.5 hours
Acceptable for credit: N - Noncredit
Preparing a healthy meal can be easy, economical, and creative. Learn techniques to make it easy to cook smaller portions, prepare a creative and healthful menu, cook and store meals, plan leftovers, and take advantage of value pricing.

HOEC 7036 Tarts: Sweet and Savory
3.0 - 12.0 hours
Acceptable for credit: N - Noncredit
Combinations for tart crusts and fillings are countless. Learn to prepare tarts and tartlets, including blind baking, baked fillings, custards, ganache, mousse, pastry cream, frangipane, and fruit fillings.

HOEC 7100A Beg Clothing Construction
60.0 - 68.0 hours
Acceptable for credit: N - Noncredit
This course presents successful sewing techniques using current methods and technology in custom and speed-clothing construction. Students also learn about pattern and fabric selection, fitting garments, proper use of tools and equipment, and construction techniques appropriate to various fabrics and garments. (Fall, Spring) (Noncredit)

HOEC 7101A Clothing Construction 2
60.0 - 68.0 hours
Acceptable for credit: N - Noncredit
Building on the basics, a wider variety of techniques are demonstrated for greater creativity and problem solving while working with a broader range of styles and fabrics. With the goal of gaining confidence and skill, students practice with special sewing machine feet, the overlock/serger, creative stitches, and special tools. (Letter Grade or Pass/No Pass)

HOEC 7102A Sewing Studio Open Lab
64.0 - 72.0 hours
Acceptable for credit: N - Noncredit
Sewing projects are selected by the student and developed under the guidance of an instructor. The lab provides students with individualized practical application of garment construction and fitting. Emphasis will be placed on comparative methods and techniques.

HOEC 7103A Clothing Alterations
60.0 - 68.0 hours
Acceptable for credit: N - Noncredit
Students develop practical skills in fitting, altering, and restyling ready-to-wear clothing for women, men and children. Students learn the basics of altering clothing for clients, with an emphasis on building speed and increasing fit expertise. Client relations, pricing of services and further education needed to own an alterations business are discussed. (Noncredit)

HOEC 7105A Sewing With Special Fabrics
60.0 - 68.0 hours
Acceptable for credit: N - Noncredit
Students explore the history and characteristics of a wide range of fabrics including silk, faux fur, leather, lace, and many more, to understand how to use these special fabrics effectively in clothing design and construction. Students learn how to select styles, choose tools, and apply specialized sewing methods for each fabric. (Noncredit)

HOEC 7106 Modern Tailoring Techniques
60.0 - 68.0 hours
Acceptable for credit: N - Noncredit
Students practice tailoring techniques that are faster and easier than traditional tailoring methods, yet yield professional, well-fitting results. Through use of fusible interfacings, fashion industry short cuts, precise sewing, and couture details, students create a custom-made, tailored jacket that will provide many years of use. (Fall, Spring) (Noncredit)

HOEC 7108A Serger Sewing
45.0 - 51.0 hours
Acceptable for credit: N - Noncredit
Students of all sewing levels learn how to use a home serger/overlock and coverstitch machine to achieve professional looking seams, hems, and garment details while significantly saving time and effort. Students start with the basics of threading and adjusting tension and advance to creative techniques of embellishing with decorative threads. (Noncredit)

HOEC 7110A Embroidery Machine Basics
45.0 - 51.0 hours
Acceptable for credit: N - Noncredit
Course introduces the basics of using a computerized, home embroidery machine to produce professional results that rival those seen in stores. Using stabilizers, selecting threads, combining designs and making templates are demonstrated. Methods of using the machine to create appliques, lace, and fine cutwork are practiced. (Noncredit)

HOEC 7111A Creative Sewing
45.0 - 51.0 hours
Acceptable for credit: N - Noncredit

Students develop general sewing techniques and skills necessary for well-fitting garments and desirable gifts. Students increase confidence as they develop talent in combining fabric and sewing skills with art for creative expression. Students may select projects of their choice or those provided by the instructor. (Noncredit)

HOEC 7112A Clothing Construction 3
60.0 - 68.0 hours
Acceptable for credit: N - Noncredit
Students learn how to plan, fit, and sew challenging projects that may include tailored garments, formalwear, or students' own designs. Building support and shape into garments, customizing patterns and applying couture and designer techniques are practiced. Surface embellishment and structural design features are shown to inspire student creativity. (Noncredit)

HOEC 7115A Fitting and Pattern Alterations
60.0 - 68.0 hours
Acceptable for credit: N - Noncredit
Students learn to recognize perfect fit and apply a logical system of measuring, altering patterns and fitting garments for any body type. Students create a master bodice and skirt or pants pattern that to use as a reference point for quickly altering any other pattern, or as a master pattern for custom designs. (Noncredit)

HOEC 7151A Quilting
48.0 - 45.0 hours
Acceptable for credit: N - Noncredit
Repeatable: 99.00
Learn the art of quilting! Explore traditional methods, new techniques, appliqué, speed-piecing, and a variety of finishing techniques. Create pillows, wall hangings, samplers, bed quilts, or work on an individual project. Beginning-to-advanced students are welcome. (Noncredit)

HOEC 7164A Crochet and Knitting
48.0 - 54.0 hours
Acceptable for credit: N - Noncredit
Learn basic through advanced knitting and crochet stitches and their combinations, how to read patterns, how to make garments, plus other needle arts as requested. Materials and project ideas are discussed at the first class. All experience levels welcome.

HOEC 7201A Home Construction and Decor
32.0 hours
Acceptable for credit: N - Noncredit
Repeatable: 99.00
This course is designed to introduce students to the various environmentally-friendly materials and green options available today in modern home construction. Whether building or remodeling, this course helps students make informed decisions about home materials including aesthetic characteristics of paint, flooring, textiles, window treatments, and cabinets. (Noncredit)

HOEC 7202A Decorative Painting: Interiors
45.0 hours
Acceptable for credit: N - Noncredit
Repeatable: 99.00
This course introduces various decorative painting techniques that can be achieved with water-based paints. Students discuss and practice the following techniques: surface textures, antiquing, crackling, distressing, stenciling, wood graining, marbleizing, and simulated granite applications. Design elements and various media and surfaces are presented to enable students to develop skills for personal use or practice the profession at a beginning level. (Noncredit)

HOEC 7301 Dealing With Anger
0.0 - 18.0 hours
Acceptable for credit: N - Noncredit
Whether in the workplace or at home, students learn to deal with various aspects of anger. Topics include anger management, types of anger, reasons for anger, anger and stress, appropriate anger, risks of anger, and dealing with angry people. This course emphasizes personal development and reduction of domestic and workplace violence. (Noncredit)

HOEC 7303 Heart Disease Prevention
0.0 hours
Acceptable for credit: N - Noncredit
Current cardiovascular research is reviewed and healthy lifestyle choices are introduced to improve heart health. Discussion topics include identifying and understanding reliable sources, dietary changes, stress management, and exercise. (Letter Grade or Pass/No Pass)

HOEC 7304 Balancing Work and Life
64.0 - 72.0 hours
Acceptable for credit: N - Noncredit
Prerequisite: TEEN Y
Students learn to create a healthy lifestyle that supports positive and loving relationships; a creative work environment that ensures wealth and security; and a sense of confidence and well-being that warrants respect and dignity. Students evaluate goals and lifestyle and align daily activities for success, prosperity, wellness, and happiness.

HOEC 7400 Estate Planning
3.0 - 9.0 hours
Acceptable for credit: N - Noncredit
It is never too soon to have your estate in order. Learn more about advanced health care directives, durable powers of attorney, wills, trusts, and probate. Understand why these items are necessary and how to make informed decisions about health and financial issues.

HOEC 7401 Planning for Retirement
3.0 - 9.0 hours
Acceptable for credit: N - Noncredit
Get the most out of your retirement saving plans! This class is designed for working people and their partners who are saving for retirement. Learn how 401(k)s, 403(b)s, SEP-IRAs, and other retirement plans work. Learn how to maximize your retirement benefits.

HOEC 7402 Overcome Fear in the Market
48.0 - 54.0 hours

Acceptable for credit: N - Noncredit
Prerequisite: TEEN Y
Many times the natural reaction to a market downturn can be counterproductive. Become a better informed, more sophisticated investor. Learn how to avoid common mistakes made by many investors when they follow their natural reactions during challenging markets. Learn how to become less focused on short-term movements of the market and more consistent in your investment strategy.

HOEC 7403 Investment/Stock Market Basics
3.0 - 9.0 hours
Acceptable for credit: N - Noncredit
Regardless of your financial situation or goals, you need to know about the power of investing. Learn how to increase investment income while reducing taxes on those investments. Learn about stock market basics, and how to focus on financial goals, whether saving for children's education or planning for retirement.

HOEC 7404 A Woman's Guide to Finances
9.0 hours
Acceptable for credit: N - Noncredit
Women have many of the same financial goals as men, but often face a different set of challenges when working toward those goals. Students learn how these challenges can affect women's financial futures and how to overcome them. Basics of money management, investing, estate planning, and tools to increase financial wealth are covered.

HOEC 7405 Choosing Stocks
48.0 - 54.0 hours
Acceptable for credit: N - Noncredit
Prerequisite: TEEN Y
With hundreds of companies listed on Wall Street, choosing the right stocks for your portfolio may seem like a daunting task. Learn how to build a balanced portfolio, evaluate companies, follow time-tested strategies, and reduce the risks of investing in stock.

Humanities

HUM 101 World Civilizations to 1600
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: HIST 150
An interdisciplinary, multicultural exploration of the development of the great civilizations: China/Japan, Egypt, Greece/Rome, India, Mesopotamian, and Pre-Columbian. Important ideas, events and discoveries are explored through literature, folklore, art history, philosophy, and science. This course is not open to students who are enrolled in or have received credit for History 101. (Fall, Spring) (Letter Grade or Pass/No Pass)

HUM 102 World Civilizations Since 1500
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: HIST 160
An interdisciplinary examination of the expansion, contraction, and conflicts of the major world civilizations from the 16th century to the present. Focus is on ideas, events, and discoveries that have shaped our world as viewed through literature, folklore, art history, philosophy, and science. This course is not open to students who are enrolled in or who have received credit for HIST 102. (Letter Grade or Pass/No Pass)

HUM 103 East Asian Civilization
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: N/A
An interdisciplinary, multicultural exploration of the development of the civilizations of East Asia from their origins through the 20th century: China, Japan, and South East Asia. Important ideas, events, and discoveries are explored through literature, folklore, art history, philosophy, and science. This course is not open to students who are enrolled in or have received credit for History 103. (Fall, Spring, Summer) (Pass/No Pass)

HUM 104 Western Civilizations to 1650
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: HIST 170
Surveys the origins, development, and characteristics of Western civilization from earliest times through the period of European exploration and colonization, emphasizing main currents in political, economic, social, intellectual, and scientific history. An effort is made to include some study of the "non-West." This course is not open to students who are enrolled in or have received credit for HIST 104. (Fall, Spring) (Letter Grade or Pass/No Pass)

HUM 105 Western Civilization Since 1650
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: HIST 180
Surveys the development and characteristics of Western civilization from 1600 to the present, emphasizing main currents in political, economic, social, intellectual, and scientific history. Some study of the "non-West" is included. This course is not open to students who are enrolled in or have received credit for HIST 105. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

Human Services

HUSV 101 Introduction to Human Services: Becoming a Helping Professional
3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
An introduction to a variety of aspects relating to human service helping professionals, including required education/training, certification/licensure, ethical/legal issues, motives, values, cultural sensitivity/competency, special populations, life transitions, transference/countertransference, boundary issues, stress, burnout, and self-care. (Fall, Spring) (Letter Grade or Pass/No Pass)

HUSV 102 Case Management Skills
3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A

An introduction to basic concepts and skills of case management with diverse populations including cultural competence, ethics, intakes, assessment, case planning, referrals, implementation and documentation. (Fall, Spring) (Letter Grade or Pass/No Pass)

HUSV 103 Basic Counseling Skills
3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Introduction to counseling skills for the human services worker with applications to different work settings and diverse populations. (Fall, Spring) (Letter Grade or Pass/No Pass)

HUSV 104 Group Dynamics
3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Explores the process and content of counseling groups and families. Topics include developmental stages of groups, group formation, constructive and ineffective processes, behavioral ground rules, interventions, entry into and exit from groups, ethics, cultural and ethnic diversity, documentation of client behavior, and self-awareness in group situations. (Fall, Spring) (Letter Grade or Pass/No Pass)

HUSV 106 Family Systems, Addiction and Trauma
3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Examines family systems dynamics and intergenerational transmission of addiction, and the interacting effects of these phenomena with abuse and psychological trauma. (Fall, Spring) (Letter Grade or Pass/No Pass)

HUSV 107 Serving Culturally Diverse Clients
3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Survey of culturally competent strategies and approaches for working in human service settings with clients who are culturally, ethnically, and physically diverse. (Fall, Spring) (Letter Grade or Pass/No Pass)

HUSV 108 Crisis Intervention Skills
3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Training in basic crisis intervention skills and application of these skills to a wide range issues, situations, and settings including domestic abuse, suicide, sexual assault, addiction, post traumatic stress, and losses including deaths. (Fall, Spring) (Letter Grade or Pass/No Pass)

HUSV 110 Alcohol, Other Drugs, and Addiction
3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/a
An overview of the role of alcohol and other drugs in society with emphasis on such topics as patterns of use, major categories of drugs, use/misuse/addiction, and approaches to prevention, intervention, and treatment. This course is not open to students who are enrolled in or have received credit for SOC 106 or PSY 106. (Fall, Spring) (Letter Grade Only)

HUSV 111 Addiction Treatment and Recovery
3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Advisories: HUSV 102 - Case Management Skills ; HUSV 103 - Basic Counseling Skills ; HUSV 110 - Alcohol, Other Drugs, and Addiction or PSY 106 or SOC 106
Survey of the theory, practice, and process of addiction treatment including such topics as ethics; assessment and diagnosis; planning; case management; cultural diversity; counseling strategies; aftercare; motivational interviewing; harm reduction; and relapse prevention. (Fall) (Letter Grade Only)

HUSV 112 Motivational Interviewing and Nonconfrontational Approaches
3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
This course presents a non-confrontational communication approach, Motivational Interviewing, designed to facilitate change in people who suffer from substance use, mental health, medical health, and lifestyle problems. The course presents theory and provides opportunities to practice evidence-based communication skills. (Fall, Spring) (Letter Grade or Pass/No Pass)

HUSV 113 Women and Addiction
3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
An overview of major issues related to women who have substance use problems and disorders. Topics include effects on pregnancy, drug-exposed children, family relationships, feminist issues, women's reactions to substances, and women's specific addiction treatment needs. (Fall, Spring) (Letter Grade or Pass/No Pass)

HUSV 120 Human Services (General) Practicum
2.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Limitations on Enrollment: NUMBER OF TIMES COURSE CAN BE REPEATED: Students enrolled in Cooperative Work Experience may earn up to 8 units of credit per semester not to exceed 16 units in total. Any units earned in any other Cooperative Work Experience course will be included in the 16 unit maximum. Permission of instructor required if student has not satisfactorily completed all other requirements in the certificate prior to enrolling.To participate in Cooperative Work Experience in HUSV 120: (1) students must be volunteering or working in the social services or interpersonal helping field or related field, (2) students must be able to become involved in new or expanded responsibilities on the job if they are using a job at which they are already employed for this course, (3) the employer must be willing to cooperate with the college in the

supervision and evaluation of the student, and (4) the student must attend all coordination/consultation meetings in addition to other work and class responsibilities. Students enrolled in HUSV 120 may earn 2 units of credit by completing 120 hours of work experience if unpaid or 150 hours if paid. CWE Units Unpaid Placement: 1 unit 60 hours 2 units 120 hours 3 units 180 hours 4 units 240 hours 5 units 300 hours 6 units 360 hours 7 units 420 hours 8 units 480 hours CWE Units Paid Placement: 1 unit 75 hours 2 units 150 hours 3 units 225 hours 4 units 300 hours 5 units 375 hours 6 units 450 hours 7 units 525 hours 8 units 600 hours
Taken together with HUSV 121, HUSV 120 is the capstone course of the Human Services (General) Certificate or degree. Provides students with supervised work experience in a social service or interpersonal helping agency or facility (2 units 120-150 hours) required. Permission of instructor is required if the student has not satisfactorily completed all other requirements in the degree or certificate prior to enrolling. (Fall, Spring) (Letter Grade Only)

HUSV 121 Human Services (General) Practicum Seminar

2.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Provides students with a seminar format in which to discuss, analyze, and critically evaluate their fieldwork experience in local human services agencies as it relates to Human Services. Designed for the student who is enrolled in HUSV 120. (Fall, Spring) (Letter Grade Only)

HUSV 122 States Of Consciousness

3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
An exploration of different states of consciousness, the means of attaining those states, their uses, misuses, and consequences. Topics include theories of consciousness, neural correlates of conscious experience, substance use disorders, sleep, dreams, hypnosis, dissociation and dissociative disorders, out-of-body states, near-death experiences, paranormal phenomena, meditation, non-Western methods of altering consciousness, and peak experiences. This course is not open to students who are enrolled in or who have received credit for PSY 122 or ANTH 122. (Fall, Spring) (Letter Grade or Pass/No Pass)

HUSV 126 Meditation, Mindfulness, and Stress Reduction

3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: NA
An introduction to the practices of meditation, mindfulness, and stress reduction including their origins in both Western and non-Western cultures, and their physiological and psychological benefits. (Fall, Spring) (Letter Grade or Pass/No Pass)

HUSV 127 Emotional Intelligence

3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
An introduction to Emotional Intelligence - a set of abilities and skills concerned with perceiving and managing emotional states in oneself and others. The neurobiology of emotions, how emotional states "hijack" people's behavior, and the application of emotional intelligence in a variety of personal and interpersonal situations are emphasized. This course is not open to students who are enrolled in or who have received credit for PSY 127. (Fall, Spring) (Letter Grade or Pass/No Pass)

HUSV 128 Positive Psychology

3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
An introduction to the psychological study of the positive, adaptive, creative, and emotionally fulfilling elements of human behavior and the factors that contribute to people being happy, productive, and well adjusted. This course is not open to students who are enrolled in or who have received credit for PSY 128. (Fall, Spring) (Letter Grade or Pass/No Pass)

HUSV 130 Addiction Studies Practicum

4.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Limitations on Enrollment: NUMBER OF TIMES COURSE CAN BE REPEATED: Students enrolled in Cooperative Work Experience may earn up to 8 units of credit per semester not to exceed 16 units in total. Any units earned in any other Cooperative Work Experience course will be included in the 16 unit maximum. Permission of instructor required if student has not satisfactorily completed all other requirements in the degree or certificate prior to enrolling. To participate in Cooperative Work Experience in HUSV 130: (1) Students must volunteer or work in the addiction treatment field, (2) Students must be able to become involved in a new or expanded responsibilities on the job if they are using a job at which they are already employed for this course, (3) the employer must be willing to cooperate with the college in the supervision and evaluation of the student, and (4) the student must attend all coordination/consultation meetings in addition to other work and class responsibilities. Students enrolled in HUSV 130 may earn 4 units of credit by completing 240 hours of work experience if unpaid or 300 hours if paid. CWE Units Unpaid Placement: 1 unit 60 hours 2 units 120 hours 3 units 180 hours 4 units 240 hours 5 units 300 hours 6 units 360 hours 7 units 420 hours 8 units 480 hours CWE Units Paid Placement: 1 unit 75 hours 2 units 150 hours 3 units 225 hours 4 units 300 hours 5 units 375 hours 6 units 450 hours 7 units 525 hours 8 units 600 hours
Taken together with HUSV 131, HUSV 130 is the capstone course of the Addiction Studies certificate or degree. Provides students with practicum/supervised work experience in an addiction treatment program or facility (4 units/240-300 hours required). Permission of instructor is required if the student has not satisfactorily completed all other requirements in the degree or certificate prior to enrolling. (Fall, Spring) (Letter Grade Only)

HUSV 131 Addiction Studies Practicum Seminar

2.0 units
Acceptable for credit: Transfer CSU

C-ID Course Number: N/A
Provides students with a seminar format in which to discuss, analyze, and critically evaluate their fieldwork experience in local human services agencies as it relates to Addiction Studies. Designed for the student who is concurrently enrolled in HUSV 130. (F,S) (Fall, Spring) (Letter Grade Only)

HUSV 132 Drugs, the Brain and the Body

3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Advisories: HUSV 110 - Alcohol, Other Drugs, and Addiction ; or SOC 106 - Alcohol, Other Drugs, and Addiction ; or PSY 106 - Alcohol, Other Drugs, and Addiction
Provides an overview of the pharmacology of drugs in substance use disorders with emphasis on drug effects, how drug effects occur, how the body processes drugs, and health consequences of drug use and addiction. Physiologic aspects of addiction and tolerance are explored. Pharmacologic interventions are integrated with other substance use disorder treatment modalities. This course is not open to students who are enrolled in or have received credit for PSY 132. (Fall) (Letter Grade Only)

HUSV 135 Ethics for Human Services Professionals

3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
An in-depth exploration of professional ethical standards for human services professionals, emphasizing confidentiality, privileged communication, dual/multiple relationships, professional boundaries, issues of abuse and neglect, the responsibilities and duties of professionals in helping relationships, and the differences between personal and professional relationships. (Fall, Spring) (Letter Grade or Pass/No Pass)

HUSV 140 Co-Occurring Disorders Practicum

2.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Limitations on Enrollment: NUMBER OF TIMES COURSE CAN BE REPEATED: Students enrolled in Cooperative Work Experience may earn up to 8 units of credit per semester not to exceed 16 units in total. Any units earned in any other Cooperative Work Experience course will be included in the 16 unit maximum. Permission of instructor required if student has not satisfactorily completed all other requirements in the certificate prior to enrolling. To participate in Cooperative Work Experience in HUSV 140: (1) students must be volunteering or working in the social services or interpersonal helping or related field focusing on the needs of persons with co-occurring substance use and mental disorders, (2) students must be able to become involved in new or expanded responsibilities on the job if they are using a job at which they are already employed for this course, (3) the employer must be willing to cooperate with the college in the supervision and evaluation of the student, and (4) the student must attend all coordination/consultation meetings in addition to other work and class responsibilities.; Students enrolled in HUSV 140 may earn 2 units of credit by completing 120 hours of work experience if unpaid or 150 hours if paid. 1 unit 60 hours 2 units 120 hours 3 units 180 hours 4 units 240 hours 5 units 300 hours 6 units 360 hours 7 units 420 hours 8 units 480 hours CWE Units Paid Placement: 1 unit 75 hours 2 units 150 hours 3 units 225 hours 4 units 300 hours 5 units 375 hours 6 units 450 hours 7 units 525 hours 8 units 600 hours
Provides students with a combination of practicum/supervised work experience in a helping agency or facility that serves clients with co-occurring substance use and mental disorders (2 units/120-150 hours required). Permission of instructor is required if the student has not satisfactorily completed all other requirements in the certificate prior to enrolling. (Fall, Spring) (Letter Grade Only)

HUSV 141 Co-Occurring Disorders Practicum Seminar

2.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Provides students with a seminar format in which to discuss, analyze, and critically evaluate their fieldwork experience in local human services agencies as it relates to co-occurring disorders. Designed for the student who is concurrently enrolled in HUSV 140. (Fall, Spring) (Letter Grade Only)

HUSV 142 Co-Occurring Disorders: Engagement

3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: NA
Concepts, definitions, and features of co-occurring mental health and substance use disorders emphasizing attainment of empathic engagement with persons who have these disorders. This course is not open to students who are enrolled in or who have received credit for PSY 142. (Fall, Spring) (Letter Grade or Pass/No Pass)

HUSV 143 Co-Occurring Disorders: Integrated Interventions

3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Advisories: HUSV 142 - Co-Occurring Disorders: Engagement ; or PSY 142 - Co-Occurring Disorders Engagement
A study of the intervention to benefit persons who have both psychiatric problems and alcohol or other drug use problems. This course is not open to students who are enrolled in or who have received credit for PSY 143. (Fall, Spring) (Letter Grade or Pass/No Pass)

HUSV 145 Effective Writing for Human Services

3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
A course designed to enable helping professionals and human service workers to prepare written documentation accurately, correctly, and in a professional manner. (Letter Grade or Pass/No Pass)

HUSV 150 Family Studies Practicum

2.0 units

Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Limitations on Enrollment: NUMBER OF TIMES COURSE CAN BE REPEATED: Students enrolled in Cooperative Work Experience may earn up to 8 units of credit per semester not to exceed 16 units in total. Any units earned in any other Cooperative Work Experience course will be included in the 16 unit maximum. Permission of instructor required if student has not satisfactorily completed all other requirements in the certificate prior to enrolling.Permission of instructor is required if student has not satisfactorily completed all other requirements in the certificate prior to enrolling. To participate in Cooperative Work Experience in HUSV 150: (1) students must be volunteering or working at a job in the social services or interpersonal helping field focusing on the needs of families and children, (2) students must be able to become involved in new or expanded responsibilities on the job if they are using a job at which they are already employed for this course, (3) the employer must be willing to cooperate with the college in the supervision and evaluation of the student, and (4) the student must attend all coordination/consultation meetings in addition to other work and class responsibilities. Students enrolled in HUSV 150 may earn 2 units of credit by completing 120 hours of work experience if unpaid or 150 hours if paid.
Taken together with HUSV 151, HUSV 150 is the capstone course of the Family Studies Certificate. Provides students with practicum/supervised work experience in a social service or interpersonal helping agency or facility focusing on the needs of families and children (2 units/120-150 hours required). Permission of instructor is required if the student has not satisfactorily completed all other requirements for the certificate prior to enrolling. (Fall, Spring) (Letter Grade Only)

HUSV 151 Family Studies Practicum Seminar
2.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Provides students with a seminar format in which to discuss, analyze, and critically evaluate their fieldwork experience in local human services agencies as it relates to Family Studies. Designed for the student who is enrolled in HUSV 150. (Fall, Spring) (Letter Grade Only)

HUSV 160 Family Service Worker 2 Practicum
2.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Limitations on Enrollment: NUMBER OF TIMES COURSE CAN BE REPEATED: Students enrolled in Cooperative Work Experience may earn up to 8 units of credit per semester not to exceed 16 units in total. Any units earned in any other Cooperative Work Experience course will be included in the 16 unit maximum. To participate in Cooperative Work Experience in HUSV 160:(1) students must volunteer or work in the social services or interpersonal helping field focusing on the needs of families and children, (2) students must be able to become involved in new or expanded responsibilities on the job if they are using a job at which they are already employed for this course, (3) the employer must be willing to cooperate with the college in the supervision and evaluation of the student, and (4) the student must attend all coordination/consultation meetings in addition to other work and class responsibilities. Students enrolled in HUSV 160 may earn 2 units of credit by completing 120 hours of work experience if unpaid or 150 hours if paid.
Taken together with HUSV 161, HUSV 160 is the capstone course of the Family Service Worker 2 Certificate. Provides students with practicum/supervised work experience in a social service or interpersonal helping agency or facility focusing on the needs of family and children (2 units/120-150 hours required). Permission of instructor is required if the student has not satisfactorily completed all other requirements in the certificate prior to enrolling. (Fall, Spring) (Letter Grade Only)

HUSV 161 Family Service Worker 2 Practicum Seminar
2.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Provides students with a seminar format in which to discuss, analyze, and critically evaluate their fieldwork experience in local human services agencies as it relates to the Family Services Worker 2 certificate. Designed for the student who is enrolled in HUSV 161. (Fall, Spring) (Letter Grade Only)

HUSV 170 Concurrent Human Services Practicum
2.0 - 4.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Limitations on Enrollment: Number of times course can be repeated: Students enrolled in Cooperative Work Experience may earn up to 8 units of credit per semester not to exceed 16 units in total. Any units earned in any other Cooperative Work Experience course will be included in the 16 unit maximum. Permission of instructor required. For students undertaking a second or second and third practicum concurrently with an internship (HUSV 120, 130, 140, 150, or 160). To participate in Cooperative Work Experience in HUSV 170: (1) students must volunteer or work in a social service or helping field, (2) students must be able to become involved in new or expanded responsibilities on the job at which they are already employed for this course, (3) the employer must be willing to cooperate with the college in the supervision and evaluation of the student, and (4) the student must attend all coordination/consultation meetings in addition to other work and class responsibilities. Students enrolled in HUSV 170 may earn 2-4 units of credit by completing 120-240 hours of work experience if unpaid or 150-300 hours if paid. Completion of HUSV 170 concurrently with HUSV 120, 130, 140, 150, or 160 will meet the internship requirement for the Human Services (General) degree or certificate or the Co-Occurring Disorders or Family Studies or Family Service Worker 2 certificates, depending on the completion of remaining degree or certificate requirements.
Allows students to expedite degree or certificate completion by undertaking an additional practicum concurrently with one of the Human Services program internships (HUSV 120, 130, 140, 150, or 160). Provides students with a combination of practicum/supervised work experience in a social services or helping setting (2-4 units/120-300 hours required). The internship course in which

the student is concurrently enrolled provides a seminar format in which to discuss, analyze, and critically evaluate their experience in this practicum. Permission of instructor is required. This course may not be used to meet the internship requirement for the Addiction Studies degree/certificate. (Letter Grade Only)

HUSV 189 Independent Projects in Human Services

1.0 - 3.0 units

Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Courses for students capable of independent work who demonstrate the need or desire for additional study beyond the regular curriculum. Enrollment allows students to pursue activities such as directed field experience, research, or development of skills and competencies under faculty advisement and supervision. Independent projects may be earned in most disciplines. Students wishing to enroll in Independent Projects should contact the appropriate Academic Dean, or an instructor identified in the class schedule. If the project proposed is acceptable to that instructor, a contract will be developed. All contracts for these classes must be completed and approved by the appropriate dean before the last day of enrollment. Units are awarded depending upon satisfactory performance and the amount of time committed by the student to the course. Allowable units vary according to discipline, and are based on the following formula: 1 unit - 48 hours per semester 2 units - 96 hours per semester 3 units - 144 hours per semester (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

Interior Design

INTD 149 Cooperative Work Experience OCCUPATIONAL

1.0 - 8.0 units

Acceptable for credit: Transfer CSU
Limitations on Enrollment: To participate in Cooperative Work Experience: (1) students must be working at a job within their major, (2) students must be able to become involved in new or expanded responsibilities on the job, (3) the employer must be willing to cooperate with the college in the supervision and evaluation of the student and (4) the student must attend all coordination/consultation meetings in addition to other work and class responsibilities. NUMBER OF TIMES COURSE CAN BE REPEATED: Students enrolled in CWE 149 may earn up to 8 units of credit per semester not to exceed 16 units in total. Any units earned in any other Cooperative Work Experience course will be included in the 16 unit maximum. CWE Units Unpaid Placement: 1 unit 60 hours, 2 units 120 hours, 3 units 180 hours, 4 units 240 hours, 5 units 300 hours, 6 units 360 hours, 7 units 420 hours, 8 units 480 hours. CWE Units Paid Placement: 1 unit 75 hours, 2 unit 150 hours, 3 unit 225 hours, 4 units 300 hours, 5 units 375 hours, 6 units 450 hours, 7 units 525 hours, 8 units 600 hours.
Supervised employment extending classroom-based learning to an on-the-job learning environment relating to the student's career and educational goals. In addition, these work experiences improve the student's basic work skills and professional competencies by creating awareness, improving work habits, and fostering positive workplace attitudes. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

INTD 170 Interior Design

3.0 units

Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Fundamentals of interior design and furnishings including application of the elements and principles of color and design, space planning, selection, and arrangement of decorative materials, and the organized selection of furnishings and materials. Involves solving individual design problems, considers consumer and socioeconomic factors, and includes graphic materials and drafting skills used in the organization and presentation of projects.Course not open to students who enrolled in and received credit for FCS 170. (Fall) (Letter Grade or Pass/No Pass)

INTD 171 Interior Design Materials

3.0 units

Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Advisories: MATH 521 - Foundations of Mathematics
Analyzes and evaluates products and materials used in interior design, and applies selection criteria to their specific uses. Emphasis is placed on cost, estimations, and resources for furniture, floor and wall coverings, window treatments, architectural finishes, lighting fixtures, and accessories. Course not open to students who enrolled in and received credit for FCS 171. (Spring) (Letter Grade or Pass/No Pass)

Library Skills

LBRY 110 Internet Research Skills

3.0 units

Acceptable for credit: Transfer CSU
This course is an introductory survey to the content, use, and the evaluation of electronic information sources. Emphasis is placed on the effective use of the Internet as a research tool. This course covers free Internet search tools as well as subscription databases and emerging technologies. Searching strategies are covered as are techniques for selecting appropriate search tools for different research needs. Historical and social issues surrounding the Internet are also discussed. This course will also discuss the use of Internet technologies in libraries. (Letter Grade or Pass/No Pass)

LBRY 170 Research Methods

2.0 units

Acceptable for credit: Transfer to UC, CSU
Presents effective methods for research to locate, critically evaluate, and ethically use information from a variety of print, non-print and online resources. Students will learn research skills and strategies for college term papers and life-long learning while exploring the changing world of information. (Fall, Spring) (Letter Grade or Pass/No Pass)

LBRY 180 Advanced Research

3.0 units

Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: N/A

Prerequisite: LBRY 170 - Research Methods ; or ENGL 101 - Freshman Composition: Exposition
This course presents advanced research methods with an emphasis on learning how to use research to locate, critically evaluate, and ethically use information from a variety of print, non-print and online resources. Emphasis is placed on the effective use of research tools and critical analysis. This course will include in-depth explorations of research resources such as article databases and will include analysis of structural and pedagogical ramifications of taxonomies. (Letter Grade or Pass/No Pass)

Leadership

LDER 111 Principles and Practices of Student Government
3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
An introduction to leadership and skills associated with effective leadership. Topics include parliamentary procedure, group dynamics, planning and conducting activities. Self awareness, cultural differences, ethics, communications skills, motivation, delegation and time management as related to organizational structure are emphasized. (Letter Grade or Pass/No Pass)

LDER 112 Practices and Application of Leadership Principles
3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Prerequisite: LDER 111 - Principles and Practices of Student Government
Provides an opportunity for students to enhance and apply leadership skills and practice peer mentoring. Communication, team building, and activity/event planning are emphasized. Participation in ASBG meetings and activities is required. (Letter Grade or Pass/No Pass)

Law Enforcement

LE 310 Introduction to Law Enforcement Academy (Pre-Academy)
1.0 unit
Acceptable for credit: D - Credit - Degree Applicable
Limitations on Enrollment: Admission by application.
An orientation course designed to prepare students for the Law Enforcement Academy. A series of self-assessment activities and exercises will help students understand the Academy challenges and requirements. This course is presented in a rigorous and disciplined training environment. Students will participate in activities designed to simulate the Allan Hancock College Law Enforcement Academy to assess individual emotional, mental and physical readiness for the Academy. Students with pre-existing injuries or disabilities or who have physical, emotional or mental limitations should contact the course coordinator or college student services office for advisement. (Fall, Spring) (Letter Grade Only)

LE 318 Traffic Collision Investigation
0.5 units
Acceptable for credit: D - Credit - Degree Applicable
Limitations on Enrollment: Must possess a valid driver's license.
Prerequisite: POST certified basic law enforcement academy or equivalent training as determined by the Director, Law Enforcement training. NOTE: Approval of equivalent enrollment eligibility is not a guarantee that state regulatory and licensing authorities will also grant equivalency for licensure or employment purposes.
This P.O.S.T. certified course provides field officers with advanced knowledge and skills for investigating traffic collisions. Emphasis will be upon documenting information and evidence at the collision scene. Participants will learn and demonstrate in practical simulations effective procedures for conducting preliminary traffic collision investigations. The course satisfies the mandates of California Vehicle Code 40600(a). (Fall, Spring, Summer) (Pass/No Pass)

LE 320 Basic Law Enforcement Academy
22.5 units
Acceptable for credit: D - Credit - Degree Applicable
Advisories: ENGL 306 - Writing Lab ; PE 141 - Physical Fitness Laboratory
Limitations on Enrollment: Students who are not sponsored by a law enforcement agency must complete the 18 hours Pre Academy evaluation and preparation course, LE 310, to ensure that they are physically capable of safely meeting the rigorous State of California physical fitness requirements. Prior to enrollment, students must also complete an academy application packet and submit Livescan fingerprints to the California Department of Justice to verify that they can legally be issued and possess a firearm. Students must score 42 or higher on the POST PELLETB Test. Students must submit a completed California POST approved Medical History/Clearance form signed by their physician after medical examination. Additionally, students must be approved by the Law Enforcement Training Division of the Public Safety Department prior to enrolling.
This course is designed to satisfy the State of California Commission on Peace Officers Standards and Training (POST) requirements for basic law enforcement recruit training. It is presented in an environment of serious study, rigorous physical training, and strict law enforcement disciplinary procedures. The course is open to newly hired peace officers and other qualified students interested in employment as a law enforcement officer. Students who successfully complete the academy are awarded a certificate that qualifies them to be employed as law enforcement trainee by any California POST certified law enforcement agency. (F,S) (Fall, Spring) (Letter Grade Only)

LE 321 Basic Law Enforcement Academy 1A
10.0 units
Acceptable for credit: D - Credit - Degree Applicable
Advisories: ENGL 101 - Freshman Composition: Exposition ; LE 310 - Introduction to Law Enforcement Academy (Pre-Academy)
LE310 is recommended before taking LE321. This can be waived for sponsored students or those student with prior military experience.

Limitations on Enrollment: Students who are not sponsored by a law enforcement agency must complete the 20 hours Pre Academy evaluation and preparation course, LE 310, to ensure that they are physically capable of safely meeting the rigorous State of California physical fitness requirements. Prior to enrollment, students must also complete an academy application packet and submit Livescan fingerprints to the California Department of Justice to verify that they can legally be issued and possess a firearm. Students must score 42 or higher on the POST PELLETB Test. Students must submit a completed California POST approved Medical History/Clearance form signed by their physician after medical examination. Additionally, students must be approved by the Law Enforcement Training Division of the Public Safety Department prior to enrolling
The first in a two-course sequence designed to satisfy all State of California requirements for basic law enforcement officer training. The Basic Law Enforcement Academy consists of LE 321 and LE 322. Both courses must be completed within the same semester. The package is designed to satisfy the training requirements for the Basic Law Enforcement Training as established by the California Commission on Peace Officer Standards and Training (POST). Academic, manipulative, and technical training are presented in an environment of serious study, rigorous physical training, and standard law enforcement disciplinary procedures. (Fall, Spring, Summer) (Letter Grade Only)

LE 322 Basic Law Enforcement Academy 1B

10.0 units

Acceptable for credit: D - Credit - Degree Applicable
Prerequisite: LE 321 - Basic Law Enforcement Academy 1A
The second in a two-course sequence designed to satisfy all State of California requirements for basic law enforcement officer training. The Basic Law Enforcement Academy consists of LE321 and LE322. Both must be completed within the same semester. The package is designed to satisfy the training requirements for the Basic Law Enforcement Training as established by the California Commission on Peace Officer Standards and Training. Academic, manipulative, and technical training are presented in an environment of serious study, rigorous physical training, and standard law enforcement disciplinary procedures. (Fall, Spring, Summer) (Letter Grade Only)

LE 329 State Hospital Peace Officer

17.0 units

Acceptable for credit: D - Credit - Degree Applicable
Limitations on Enrollment: Students must possess a valid driver's license; meet the state required minimum qualifications for State Hospital Peace Officer, and have a Department of Justice clearance letter to possess a firearm.
Prerequisite: LE 424 - PC 832 Arrest ; or Completion of a 40 hour arrest and control course completed at another institution, or equivalent training as determined by the Director, Law Enforcement Training. NOTE: Approval of equivalent enrollment eligibility is not a guarantee that state regulatory and licensing authorities will also grant equivalency for licensure or employment purposes.
This course delivered over fifteen weeks provides the student with the basic knowledge and skills for entry into the on-the-job training program for peace officers at state hospitals such as Atascadero State Hospital. To enroll, students need to meet the State-required minimum qualifications for employment as a State Hospital Peace Officer, complete a 40-hour Arrest and Control Course (LE424, or equivalent at another institution), and have a Department of Justice clearance letter to possess a firearm. The course is presented in an atmosphere of serious study and standard law enforcement discipline. (Fall, Spring, Summer) (Pass/No Pass)

LE 330 Core Custody Academy

13.5 units

Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: N/A
Advisories: PE 141 - Physical Fitness Laboratory ; and ENGL 306 - Writing Lab
Limitations on Enrollment: Students must 1) Be free of felony convictions; 2) possess a valid California Driver's License; 3) undergo a fingerprint and criminal history check; 4) be a minimum of 18 years of age; 5) be a high school graduate, pass the GED, the California High School Proficiency Examination, or have attained a two-year or four-year degree from an accredited college or university; 6) complete a medical suitability examination; and 7) complete a Personal History Statement and interview prior to start of class.
The Core Custody Academy is designed to satisfy State of California Standards and Training for Corrections (STC) requirements for students wanting to be hired as a custody officer by a law enforcement agency or currently employed as such. Core refers to the description of the job as it relates to the overall mission of the adult corrections officer job and its place in the criminal justice system and from the state-wide job analysis research conducted periodically by the STC program of the California Board of State and Community Corrections. The Core Academy is an intensive college course with para-military discipline. Students attending the academy will be physically challenged, faced with solving complex problems in a stressful, disciplined and structured environment. Student will understand the roles and functions of the adult criminal justice system and its processes. Students will demonstrate problem solving strategies for addressing criminal behavior in a custody setting. (Fall, Spring, Summer) (Letter Grade Only)

LE 341 Emergency Vehicle Operations/Non-Law Enforcement

0.5 units

Acceptable for credit: D - Credit - Degree Applicable
Repeatable: 99.00
Corequisite: Enrollment in a public safety academy, or equivalent training, as determined by the Director Law Enforcement training.
NOTE: Approval of equivalent enrollment eligibility is not a guarantee that state regulatory and licensing authorities will also grant equivalency for licensure or employment purposes.
Limitations on Enrollment: Must possess and show proof of a valid driver's license.
An emergency vehicle operators course for those working in non-law enforcement public safety disciplines. The student will learn defensive driving and handling techniques in the classroom setting and through field examples. (Fall) (Pass/No Pass)

LE 351 Field Training Officer
2.5 units
Acceptable for credit: D - Credit - Degree Applicable
Prerequisite: Satisfactory completion of a P.O.S.T. (State of California Commission on Peace Officers Standards and Training) certified basic law enforcement academy, or certified Standards and Training for Corrections (STC) academy or equivalent training as determined by the Director, Law Enforcement training. NOTE: Approval of equivalent enrollment eligibility is not a guarantee that state regulatory and licensing authorities will also grant equivalency for licensure or employment purposes.
This P.O.S.T. certification 40-hour course provides students with the P.O.S.T. Field Training Officer requirements, training techniques, and methodologies for officers assigned to train and supervise new field trainees. (Fall, Spring, Summer) (Pass/No Pass)

LE 352 Field Training Officer Update
1.5 units
Acceptable for credit: D - Credit - Degree Applicable
Repeatable: 99.00
Prerequisite: POST certified basic law enforcement academy or equivalent training as determined by the Director, Law Enforcement Training. NOTE: Approval of equivalent enrollment eligibility is not a guarantee that state regulatory and licensing authorities will also grant equivalency for licensure or employment purposes.
This P.O.S.T. certified 24-hour course meets the tri-annual update requirements for Field Training Officers assigned in P.O.S.T. certified Field Training Programs. F.T.O.s will receive updated information and methods regarding teaching and training skills, leadership, ethics, legal requirements, standardized evaluation guidelines, and current curriculum and methods used in Law Enforcement Academy. (Fall, Spring) (Pass/No Pass)

LE 353 Field Training Administrator
1.5 units
Acceptable for credit: D - Credit - Degree Applicable
Repeatable: 99.00
Prerequisite: P.O.S.T certified basic law enforcement academy or equivalent as determined by the Director, Law Enforcement Training. NOTE: Approval of equivalent enrollment eligibility is not a guarantee that state regulatory and licensing authorities will also grant equivalency for licensure or employment purposes.
This P.O.S.T. certified 24-hour course meets the requirements for law enforcement agency personnel assigned as Supervisors, Administrators, or Coordinators (S.A.C.s) of P.O.S.T. approved Field Training Programs. Course curriculum includes P.O.S.T. requirements, roles and responsibilities, contemporary adult learning, legal and liability issues, evaluations and documentation, and program management methods and strategies. (Fall, Spring) (Pass/No Pass)

LE 354 Training Management Update
1.5 units
Acceptable for credit: D - Credit - Degree Applicable
Prerequisite: POST certified basic law enforcement academy or equivalent training as determined by the Director, Law Enforcement Training. NOTE: Approval of equivalent enrollment eligibility is not a guarantee that state regulatory and licensing authorities will also grant equivalency for licensure or employment purposes.
This POST certified 24-hour course is designed to update the law enforcement agency training manager or coordinator with changes in regulations and case law, challenges, opportunities, and trends in the training environment. (Letter Grade Only)

LE 355 Leadership Development
2.5 units
Acceptable for credit: D - Credit - Degree Applicable
Prerequisite: P.O.S.T. certified basic law enforcement academy or Standards and Training for Corrections (STC) certified training academy, or equivalent training as determined by the Director Law Enforcement Training. NOTE: Approval of equivalent enrollment eligibility is not a guarantee that state regulatory and licensing authorities will also grant equivalency for licensure or employment purposes.
This P.O.S.T. and STC certified 40-hour course is designed to prepare students for a leadership position within a law enforcement agency. It is offered in two formats: one day per month for five months, or five consecutive days. Course curriculum includes leadership concepts and roles, organizational change, liability issues, performance evaluations, disciplinary processes, group dynamics, ethical decision making, community policing, and oral board preparation and exercise. (Fall, Spring) (Pass/No Pass)

LE 356 Crime Scene Investigation
2.0 units
Acceptable for credit: D - Credit - Degree Applicable
Prerequisite: POST certified basic law enforcement academy or equivalent training as determined by the Director, Law Enforcement Training. NOTE: Approval of equivalent enrollment eligibility is not a guarantee that state regulatory and licensing authorities will also grant equivalency for licensure or employment purposes.
This POST certified course provides advanced instruction and "hands-on" application in photographing, protecting, processing, and documenting crime scenes as well as the proper methods of the handling of associated physical evidence. This course satisfies the requirement for the universal elective for ICI certification pursuant to California Penal Code 13519.9. (Fall, Spring) (Letter Grade or Pass/No Pass)

LE 357 Instructor Development
2.5 units
Acceptable for credit: D - Credit - Degree Applicable
Prerequisite: P.O.S.T. certified basic law enforcement academy or equivalent as determined by the Director, Law Enforcement Training. NOTE: Approval of equivalent enrollment eligibility is not a guarantee that state regulatory and licensing authorities will also grant equivalency for licensure or employment purposes.
This P.O.S.T. certified 40-hour course provides the essential instructional and facilitation skills and strategies for those interested in being an instructor in a law enforcement or public safety related training program. The P.O.S.T. Academy Instructor Certification Course (A.I.C.C.) meets the initial training requirement for instructors in the Regular Basic Course (Law

Enforcement Academy) as well as the tri-annual recertification training requirement. (Fall, Spring) (Pass/No Pass)

LE 360 Arrest and Control/Emergency Vehicle Operations Course

0.5 units

Acceptable for credit: D - Credit - Degree Applicable
Limitations on Enrollment: Must possess a valid driver's license.
Prerequisite: P.O.S.T. certified basic law enforcement academy or equivalent as determined by the Director, Law Enforcement Training. NOTE: Approval of equivalent enrollment eligibility is not a guarantee that state regulatory and licensing authorities will also grant equivalency for licensure or employment purposes.
Short-term training courses focusing on specialized law enforcement instruction in arrest and control and emergency vehicle operations. The training will be divided into four-hour modules. Topics will be identified on an annual basis in conjunction with law enforcement agencies. On the track driving is used. May be repeated as often as necessary for purposes of recertification. (Pass/No Pass)

LE 361 Force Options Simulator Emergency Vehicle Operations Course (EVOC)

0.5 units

Acceptable for credit: D - Credit - Degree Applicable
Limitations on Enrollment: Limitation on enrollment: must possess a valid driver's license.
Prerequisite: POST certified basic law enforcement academy or equivalent as determined by the Director, Law Enforcement Training. NOTE: Approval of equivalent enrollment eligibility is not a guarantee that state regulatory and licensing authorities will also grant equivalency for licensure or employment purposes.
Short-term training course focusing on specialized law enforcement instruction in force options simulator and emergency vehicle operations. The training will be divided into four-hour modules. Topics will be identified on an annual basis in conjunction with law enforcement agencies. May be repeated as often as necessary for purposes of recertification. (Pass/No Pass)

LE 362 Law Enforcement Driving Simulator/ Emergency Vehicle Operations

0.5 units

Acceptable for credit: D - Credit - Degree Applicable
Repeatable: 99.00
Limitations on Enrollment: Must possess a valid driver's license.
Prerequisite: POST certified basic law enforcement academy or equivalent as determined by the Director, Law Enforcement Training. NOTE: Approval of equivalent enrollment eligibility is not a guarantee that state regulatory and licensing authorities will also grant equivalency for licensure or employment purposes.
Short-term training courses focusing on specialized law enforcement technology in law enforcement driving simulators and emergency vehicle operations. The training will be divided into four-hour modules. Topics will be identified on an annual basis in conjunction with law enforcement agencies. On the track driving and driving simulators are used. May be repeated as often as necessary for purposes of recertification. (Pass/No Pass)

LE 363 Force Options Simulator/Arrest and Control

0.5 units

Acceptable for credit: D - Credit - Degree Applicable
Repeatable: 99.00
Prerequisite: P.O.S.T. certified basic law enforcement academy or equivalent as determined by the Director, Law Enforcement Training. NOTE: Approval of equivalent enrollment eligibility is not a guarantee that state regulatory and licensing authorities will also grant equivalency for licensure or employment purposes.
Short-term training courses focusing on specialized law enforcement instruction in force options simulator and arrest and control techniques. The training will be divided into four-hour modules. Topics will be identified on an annual basis in conjunction with law enforcement agencies. May be repeated as often as necessary for purposes of recertification. (Pass/No Pass)

LE 364 Law Enforcement Driving Simulator/Arrest and Control

0.5 units

Acceptable for credit: D - Credit - Degree Applicable
Prerequisite: P.O.S.T. certified basic law enforcement academy or equivalent as determined by the Director, Law Enforcement Training. NOTE: Approval of equivalent enrollment eligibility is not a guarantee that state regulatory and licensing authorities will also grant equivalency for licensure or employment purposes.
Short-term training courses focusing on specialized law enforcement instructions in law enforcement driving simulator and arrest and control techniques. The training will be divided into four-hour modules. Topics will be identified on an annual basis in conjunction with law enforcement agencies. Driving simulators will be used. May be repeated as often as necessary for purposes of recertification. Arrest and control consists of a comprehensive update and review of arrest and control skills and methods. (Pass/No Pass)

LE 365 Law Enforcement Driving Simulator/Force Options Simulator

0.5 units

Acceptable for credit: D - Credit - Degree Applicable
Limitations on Enrollment: Must possess a valid driver's license.
Prerequisite: P.O.S.T. certified basic law enforcement academy or equivalent as determined by the Director, Law Enforcement Training. NOTE: Approval of equivalent enrollment eligibility is not a guarantee that state regulatory and licensing authorities will also grant equivalency for licensure or employment purposes.
Short-term training courses focusing on specialized law enforcement technology in law enforcement driving simulators and force operations simulators. The training will be divided into four-hour modules. Topics will be identified on an annual basis in conjunction with law enforcement agencies. Driving and force option simulators will be used. May be repeated as often as necessary for purposes of recertification. (Pass/No Pass)

LE 366 Emergency Vehicle Operations Course

0.5 - 1.0 units

Acceptable for credit: D - Credit - Degree Applicable
Prerequisite: POST certified basic law enforcement academy or equivalent training as determined by the Director, Law

Enforcement Training. NOTE: Approval of equivalent enrollment eligibility is not a guarantee that state regulatory and licensing authorities will also grant equivalency for licensure or employment purposes.
This course focuses on law enforcement emergency vehicle operations. Topics will be identified on a periodic basis in conjunction with law enforcement agencies. (Letter Grade or Pass/No Pass)

LE 367 Arrest and Control Update

0.5 units

Acceptable for credit: D - Credit - Degree Applicable
Prerequisite: POST certified basic law enforcement academy or equivalent as determined by the Director, Law Enforcement Training. NOTE: Approval of equivalent enrollment eligibility is not a guarantee that state regulatory and licensing authorities will also grant equivalency for licensure or employment purposes.
Course consists of a comprehensive update and review of arrest and control skills and methods, including safety, liability, control techniques, handcuffing and searching, grappling, and pugilistic. Variable unit range course. (Pass/No Pass)

LE 368 Law Enforcement Agency Emergency Vehicle Operations Course Training

1.0 unit

Acceptable for credit: D - Credit - Degree Applicable
Corequisite: Must be enrolled in a State of California Commission on Peace Officers Standards and Training (P.O.S.T.) certified Law Enforcement Academy.
Limitations on Enrollment: Must possess a valid driver’s license to operate a motor vehicle within the State of California.
This course is designed to satisfy POST requirements for basic training in vehicle operations for Recruits/Cadets enrolled in a POST certified Law Enforcement Academy. The student will learn defensive driving principles and techniques, recognize that emergency response (Code 3) driving demands a high level of concentration and instant reactions, understand that a vehicle pursuit is never more important than the safety of officers and the public, and be proficient in the operation of the emergency vehicle and understand dynamic forces. (Pass/No Pass)

LE 370 Arrest and Control Instructor Update

1.5 units

Acceptable for credit: D - Credit - Degree Applicable
Prerequisite: P.O.S.T. and Standards and Training for Corrections certified basic law enforcement academy or equivalent as determined by the Director, Law Enforcement Training. NOTE: Approval of equivalent enrollment eligibility is not a guarantee that state regulatory and licensing authorities will also grant equivalency for licensure or employment purposes.
Course consists of review and update of arrest and control skills, teaching and training methods including safety, liability, control techniques, handcuffing and searching, grappling, and pugilistic. Previous state certification as an Arrest and Control Instructor is required. May be repeated as often as necessary for purposes of recertification. (Pass/No Pass)

LE 371 Arrest and Control Instructor Certification Course

5.0 units

Acceptable for credit: D - Credit - Degree Applicable
Prerequisite: P.O.S.T. and Standards and Training for Corrections certified basic law enforcement academy or equivalent as determined by the Director, Law Enforcement Training. NOTE: Approval of equivalent enrollment eligibility is not a guarantee that state regulatory and licensing authorities will also grant equivalency for licensure or employment purposes.
This P.O.S.T. and STC certified course is designed to prepare the student as an instructor in arrest and control methods and meets the P.O.S.T. training requirements for Arrest and Control Instructors pursuant to regulations 1070/1082 for arrest and control courses. (Letter Grade Only)

LE 372 Physical Training Instructor

2.5 units

Acceptable for credit: D - Credit - Degree Applicable
Prerequisite: P.O.S.T. certified basic law enforcement academy or equivalent as determined by the Director, Law Enforcement Training. NOTE: Approval of equivalent enrollment eligibility is not a guarantee that state regulatory and licensing authorities will also grant equivalency for licensure or employment purposes.
This P.O.S.T. certified course is designed to prepare the student as an instructor in physical training methods and meets the P.O.S.T. training requirements for Law Enforcement Basic Academy Physical Training Instructors pursuant to regulation 1070/1082 for the regular basic course. (Pass/No Pass)

LE 390 Driver Awareness Instructor

0.5 units

Acceptable for credit: C - Credit - Not Degree Applicable
C-ID Course Number: N/A
Advisories: POST certified basic law enforcement academy or equivalent as determined by the Director, Law Enforcement Training. NOTE: Approval of equivalent enrollment eligibility is not a guarantee that state regulatory and licensing authorities will also grant equivalency for licensure or employment purposes.
Limitations on Enrollment: Students must I) Be free of felony convictions; 2) possess a valid California Driver's License; 3) undergo a fingerprint and criminal history check; 4) be a minimum of I8 years of age; 5) be a United States high school graduate; pass the GED, pass the California High School Proficiency Examination, or have attained a two-year or four-year degree from an accredited college or university; and 6) complete a medical suitability examination.
This course is designed to prepare the student to become an instructor for a law enforcement driver awareness course involving slow skills driving. This course covers the dynamics of emergency and law enforcement vehicle operations including defensive driving, to enhance the safety and raise the skill level of peace officers in California. Students will learn to implement and instruct the basic skills that can be incorporated into all vehicle operation. Students who complete this course can then take the Driver Training Instructor 40-hour course (LE 391). (Fall, Spring, Summer) (Pass/No Pass)

LE 391 Driver Training Instructor
1.0 unit
Acceptable for credit: C - Credit - Not Degree Applicable
C-ID Course Number: N/A
Advisories: LE 390 - Driver Awareness Instructor ; POST certified basic law enforcement academy or equivalent as determined by the Director, Law Enforcement Training. NOTE: Approval of equivalent enrollment eligibility is not a guarantee that state regulatory and licensing authorities will also grant equivalency for licensure or employment purposes.
Limitations on Enrollment: Students must I) Be free of felony convictions; 2) possess a valid California Driver's License; 3) undergo a fingerprint and criminal history check; 4) be a minimum of I8 years of age; 5) be a United States high school graduate; pass the GED, pass the California High School Proficiency Examination, or have attained a two-year or four-year degree from an accredited college or university; and 6) complete a medical suitability examination.
Course is designated to teach skills and techniques necessary to effectively provide instruction in Driver Training courses focused on Emergency Driving, Emergency Vehicle Operation, and Law Enforcement Pursuit Driving (Fall, Spring, Summer) (Pass/No Pass)

LE 421 Complaint Dispatcher
4.5 units
Acceptable for credit: C - Credit - Not Degree Applicable
Emphasizes the responsibilities and tasks of the public safety dispatcher in law enforcement and fire agencies. Students learn and demonstrate in practical simulations acceptable telephone and radio procedures as well as effective decision-making. (Letter Grade Only)

LE 424 PC 832 Arrest
2.0 units
Acceptable for credit: C - Credit - Not Degree Applicable
Limitations on Enrollment: Freedom from illness or disability that would prevent the student from safely performing the required arrest and control physical skills.
This course is a survey of the laws of arrest, search and seizure, and use of force. Course includes skill development and assessment of physical arrest and control methods. Meets all requirements for certification under California Penal Code section 832 in laws and methods of arrest for limited function peace officers and other public officers as required by statute. (Fall, Spring, Summer) (Letter Grade Only)

LE 425 PC 832 Firearms
0.5 units
Acceptable for credit: D - Credit - Degree Applicable
Limitations on Enrollment: Freedom from illness or disability that would prevent the student from safely participating in live fire shooting activities. Students not employed (as a peace officer) or sponsored by a California law enforcement agency are required to obtain a CA Department of Justice (DOJ) Firearms Clearance (PC13511.5).
This course is a basic knowledge and skills course in firearms for peace officers newly assigned to carry a firearm in the course of their duties. Course includes skill development and assessment of fundamentals of shooting, firearms nomenclature, maintenance, and safety. Meets requirements for certification under California Penal Code section 832 for limited function peace officers to carry and use firearms as required by statute. Presented over three consecutive days including two full days on a local firing range. (F,S,U) (Fall, Spring, Summer) (Letter Grade Only)

LE 426 Patrol Rifle Course
0.5 units
Acceptable for credit: C - Credit - Not Degree Applicable
Limitations on Enrollment: Students must I) Be free of felony convictions; 2) possess a valid California Driver's License; 3) undergo a fingerprint and criminal history check; 4) be a minimum of I8 years of age; 5) be a United States high school graduate; pass the GED, pass the California High School Proficiency Examination, or have attained a two-year or four-year degree from an accredited college or university; and 6) complete a medical suitability examination.
Prerequisite: POST certified basic law enforcement academy or equivalent as determined by the Director, Law Enforcement Training. NOTE: Approval of equivalent enrollment eligibility is not a guarantee that state regulatory and licensing authorities will also grant equivalency for licensure or employment purposes.
Patrol Rifle Course, long/short barrel, meets POST 1081 Mandate and Penal Code section 33220(b). P.O.S.T. describes this course as a rifle course part II. The course covers law update, review of use of force issues, agency policies, mission, safety issues, nomenclature, specifications, capabilities, firearm care, breakdown, and cleaning, tactical considerations, skill development and qualifications. (Letter Grade Only)

LE 427 Bicycle Patrol
1.5 units
Acceptable for credit: C - Credit - Not Degree Applicable
Limitations on Enrollment: Students must I) Be free of felony convictions; 2) possess a valid California Driver's License; 3) undergo a fingerprint and criminal history check; 4) be a minimum of I8 years of age; 5) be a United States high school graduate; pass the GED, pass the California High School Proficiency Examination, or have attained a two-year or four-year degree from an accredited college or university; and 6) complete a medical suitability examination.
Prerequisite: POST certified basic law enforcement academy or equivalent as determined by the Director, Law Enforcement Training. NOTE: Approval of equivalent training is not a guarantee state regulatory or licensing agencies will also grant equivalency
Provides instruction on the skills necessary to properly use a bicycle for patrol, including bicycle maintenance, riding skills, apprehension techniques and tactical firearms. Curriculum includes basic riding skills, tactical firearms, equipment, nutrition, physical fitness and basic bicycle maintenance. (Letter Grade or Pass/No Pass)

LE 428 Campus Law Enforcement
2.5 units
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: N/A

This specialized course of instruction provides California school peace officers, as defined in Penal Code section 830.32, with training designed to meet the unique safety needs of a school environment. This course is intended to supplement any other training requirements. This P.O.S.T. certification 40-hour course provides students with the P.O.S.T. Field Training Officer requirements, training techniques, and methodologies for officers assigned to train and supervise new field trainees. (Letter Grade Only)

LE 432 Probation Academy
14.0 units
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: NA
The Core Probation Academy is designed to satisfy State of California Standards and Training for Corrections (STC) requirements for students wanting to be hired as a probation officer by a law enforcement agency or currently employed as such. Core refers to the description of the job as it relates to the overall mission of the probation officer job and its place in the criminal justice system and from the state-wide job analysis research conducted periodically by the STC program of the California Board of State and Community Corrections. The Core Academy is an intensive college course. Students attending the academy will be faced with solving complex problems in a stressful, disciplined, and structured environment. Students will understand the roles and functions of the adult criminal justice system and its processes. Students will demonstrate problem-solving strategies for addressing criminal behavior in a probation setting. (Letter Grade Only)

LE 440 Basic Driving Skills
0.5 units
Acceptable for credit: D - Credit - Degree Applicable
Limitations on Enrollment: Students must possess a valid driver's license and have no physical conditions that would prohibit them from safely operating a motor vehicle.
This course is designed to improve basic driving skills to include defensive driving techniques, collision avoidance, slow speed precision driving maneuvers and driving simulator practice. Students are required to study the California Driver Handbook prior to the class and bring the California Driver Handbook to the class. (Letter Grade or Pass/No Pass)

LE 441 Advanced Driving Skills II
0.5 units
Acceptable for credit: D - Credit - Degree Applicable
Limitations on Enrollment: Students must possess a valid driver's license and have no physical conditions that would prohibit them from safely operating a motor vehicle.
Prerequisite: LE 440 - Basic Driving Skills
This course is designed to reinforce basic driving skills in addition to advanced simulator training and vehicle control techniques to include skid control, braking, acceleration and turning. Students are required to study the California Driver Handbook prior to the class and bring the California Driver Handbook to the class. (Letter Grade or Pass/No Pass)

LE 450 Firearms Instructor
1.0 unit
Acceptable for credit: C - Credit - Not Degree Applicable
C-ID Course Number: N/A
Advisories: POST certified basic law enforcement academy or equivalent as determined by the Director, Law Enforcement Training. NOTE: Approval of equivalent enrollment eligibility is not a guarantee that state regulatory and licensing authorities will also grant equivalency for licensure or employment purposes.
Limitations on Enrollment: Students must I) Be free of felony convictions; 2) possess a valid California Driver's License; 3) undergo a fingerprint and criminal history check; 4) be a minimum of I8 years of age; 5) be a United States high school graduate; pass the GED, pass the California High School Proficiency Examination, or have attained a two-year or four-year degree from an accredited college or university; and 6) complete a medical suitability examination.; Must be a sworn peace officer or retired peace officer with DOJ clearance
This 40 hour course is designed to train individuals to be Firearms Instructors. The course will cover Instructor responsibilities, training philosophies, fundamental shooting principals, shooting errors, teaching techniques and lesson planning. THIS COURSE PROVIDES UPDATED LEGISLATIVE CONTENT REGARDING PC835(a) (Fall, Spring, Summer) (Pass/No Pass)

LE 480 Women in Public Safety Careers
3.0 units
Acceptable for credit: C - Credit - Not Degree Applicable
Limitations on Enrollment: Students may be prohibited from enrolling based on health and safety issues. Students will be participating in rigorous physical activities including lifting weights from the floor to overhead, strength training with weight machines and free weights, calisthenics such as push-ups and sit-ups, running distances of 1 ½ miles or farther, sprinting 200 yards, climbing 6 foot fences and walls, climbing ladders, walking and climbing embankments and stairways with ambulance gurneys and stretchers, climbing flights of stairs while dragging fire hoses and wearing several pounds of equipment.
This course is designed to prepare women for successful completion of a Public Safety Basic Academy in Law Enforcement, Fire Technology or Emergency Medical Services. This course will focus on physical, academic, emotional and psychological preparation. (Letter Grade or Pass/No Pass)

LGBT Studies

LGBT 101 Introduction to LGBTQ Studies
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: SJS 130
This introductory course examines a wide range of issues related to the lesbian, gay, bisexual, and transgender community, and how those issues impact family, education and the community. (Fall) (Letter Grade or Pass/No Pass)

LGBT 102 LGBTQ Communities, Family and Education in the 21st Century
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: N/A

This course examines the Lesbian, Gay, Bisexual, Transgender and Queer community in the 21st century including issues, events, and activism impacting LGBTQ families and education. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

Learning Skills

LS 189 Independent Projects
1.0 unit
Acceptable for credit: Transfer CSU
Acceptable for credit: CSU, UC-Determined after admission
Courses for students capable of independent work who demonstrate the need or desire for additional study beyond the regular curriculum. Enrollment allows students to pursue activities such as directed field experience, research, or development of skills and competencies under faculty advisement and supervision. Independent projects may be earned in most disciplines. Students wishing to enroll in Independent Projects should contact the appropriate instructor identified in the class schedule. If the project proposed is acceptable to that instructor, a contract will be developed. All contracts for these classes must be completed and submitted to the Records Office no later than the end of the second week of the semester. Students may enroll for any combination (unit value) of Independent Projects 189 and/or 389 for a total of four semesters in a specific discipline. Units are awarded depending upon satisfactory performance and the amount of time committed by the student to the course. Allowable units vary according to discipline, and are based on the following formula: 1 unit - 48 hours per semester 2 units - 96 hours per semester 3 units - 144 hours per semester (Letter Grade or Pass/No Pass)

Medical Assisting

MA 305 Body Systems and Disease
5.0 units
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: NA
A study of medical terminology, anatomy, physiology, pathophysiology, diagnostic testing and treatment modalities. The course is not open to students who are currently enrolled or have received credit for MB 305. (Fall) (Letter Grade Only)

MA 350 MA Fundamentals
2.0 units
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: NA
Limitations on Enrollment: Admittance to MA program
The course introduces the student to the medical assisting profession including aspects of the work environment, laws that govern the profession, code of ethics, multicultural issues, communication techniques, and the profession characteristics that enable the medical assistant to be a successful member of a heath care team. Study skills, critical thinking, and basic pharmacological math are also included. (Fall) (Letter Grade Only)

MA 351 MA Clinical Procedures 1
3.0 units
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: NA
Limitations on Enrollment: Admittance to MA program
The course is designed to prepare the student to assist the doctor in selected phases of clinical procedures. It emphasizes asepsis, physical examination, screening practices, including care and use of equipment. (Fall) (Letter Grade Only)

MA 352 MA Administrative Procedures
4.0 units
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: NA
The course explores administrative office tasks including secretarial and accounting procedures, written and oral communications, appointment scheduling, and records management. Topics include insurance, banking, professional fees, billing, and collection of fees. Administrative legal and ethical issues are addressed. Computer applications are employed for most functions in the medical field. The course is not open to students who are currently enrolled or have received credit for MB 352. (Fall, Spring) (Letter Grade Only)

MA 353 MA Clinical Procedures 2
5.0 units
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: NA
Limitations on Enrollment: Admittance to MA program
The course is designed to provide the student with the opportunity to develop skills required to perform medical office laboratory procedures and to provide patient education. (Spring) (Letter Grade Only)

MA 355 MA Pharmacology
4.0 units
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: NA
Limitations on Enrollment: Admittance to MA program and successful completion of first semester MA courses.
The course is designed to provide instruction in the scope of practice of the Medical Assistant in medication administration. Included are drug classifications, drug measurement systems, and calculation of dosages. Parenteral and non-parenteral drug administration techniques are practiced. (Spring) (Letter Grade Only)

MA 356 MA Job Success Externship
3.5 units
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: NA
Limitations on Enrollment: Admittance to MA program; and Successful completion of the first semester MA courses.
The course provides an opportunity for students to be exposed to the actual work environment and practice job skills learned in the program. Students interface regularly with faculty during the experience. (Spring) (Pass/No Pass)

MA 360 Medical Billing and Insurance
4.0 units
Acceptable for credit: D - Credit - Degree Applicable
Corequisite: MA 361 - Coding for Medical Insurance

Limitations on Enrollment: Successful completion of first semester MA courses
The course covers practices and principles of health insurance using medical terminology for completion of medical forms. It is an introduction to various types of medical billing practices including the pegboard system, computerized billing, basic insurance forms, collections, and basic legal aspects of billing. (Fall) (Letter Grade Only)

MA 361 Coding for Medical Insurance
3.0 units
Acceptable for credit: D - Credit - Degree Applicable
Corequisite: MA 360 - Medical Billing and Insurance
Limitations on Enrollment: Admittance to the MA program
The course covers practices and principles of health insurance and health care finance coding procedures. International Classification of Diseases 10th Revision Clinical Modification (ICD 10-CM), current Healthcare Common Procedure Coding System (HCPCS) and Current Procedural Terminology (CPT) guidelines for coding and reporting are utilized in practical application scenarios. (Spring) (Letter Grade Only)

MA 379A Success in MA Practice
1.5 units
Acceptable for credit: C - Credit - Not Degree Applicable
Limitations on Enrollment: Completion of Medical Assisting Program within the past 5 years and two years of recent work experience as a medical assistant
The course prepares students for the challenges in Registered Medical Assistant (RMA) practice. It refreshes the fundamentals of practice and provides opportunities to perform the functions and procedures within the scope of entry level medical assistant. The course is designed for students who have completed a medical assisting program within five years and/or two years of recent work experience as a medical assistant. (Fall, Spring) (Pass/No Pass)

Mathematics

MATH 100 Nature of Modern Mathematics
3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Prerequisite: MATH 331 - Algebra 2 ; or Placement according to AHC placement policy
A study of contemporary topics in mathematics including statistics, social choice, management science, and geometric and algebraic patterns. (Fall, Spring) (Letter Grade or Pass/No Pass)

MATH 105 Mathematics for Teachers
4.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: Math 120
Prerequisite: MATH 331 - Algebra 2 ; or prior completion of Math 334 Algebra 2: Part 2
A study of basic concepts of mathematics required for the liberal studies major and the multiple subject teaching credential. It is recommended for current elementary and junior high school teachers. It is also recommended for the career technical single subject education credential candidate. Topics include development of critical thinking, set theory, logic, numeration systems, the set of integers, elementary number theory, the set of rational numbers, the set of real numbers, and measurement of geometric figures. (Fall, Spring) (Letter Grade Only)

MATH 121 Trigonometry
3.0 units
Acceptable for credit: Transfer CSU
Prerequisite: MATH 331 - Algebra 2 ; or Placement according to AHC placement policy.
The study of directed angles, degree/radian measures of angles, trigonometric functions of angles and of numbers, solutions of right and oblique triangles, identities, functions of composite angles, graphs, equations, inverse functions, vectors and complex numbers. (Fall, Spring) (Letter Grade Only)

MATH 123 Elementary Statistics
4.0 units
Acceptable for credit: *Transfer to CSU, limited to UC/see counselor
C-ID Course Number: MATH 110
Prerequisite: MATH 331 - Algebra 2 ; or Placement according to AHC placement policy.
A study of descriptive and inferential statistics including applications in the behavioral and natural sciences. Topics include classification and analysis of data, probability, distributions, sampling, the binomial, normal, t, F, and chi-square distributions, confidence intervals, hypothesis testing, regression analysis, analysis of variance and non-parametric methods. Calculators and/or computers will be used throughout. (Fall, Spring, Summer) (Letter Grade Only)

MATH 123S Support For Math 123: Elementary Statistics
1.0 unit
Acceptable for credit: Transfer CSU
Corequisite: MATH 123 - Elementary Statistics
This course is offered as a supplement for students enrolled in Math 123, Elementary Statistics. It is intended for students for whom support has been recommended or required. The course reviews prerequisite topics and strategies to be a more successful math student. (Fall, Spring, Summer) (Pass/No Pass)

MATH 131 College Algebra
3.0 units
Acceptable for credit: Transfer to UC, CSU
Prerequisite: MATH 331 - Algebra 2 ; or Placement according to AHC placement policy.
College level course in algebra for majors in science, technology, engineering, and mathematics: polynomial, rational, radical, exponential, absolute value, and logarithmic functions; systems of equations; theory of polynomial equations; analytic geometry. (Fall, Spring, Summer) (Letter Grade Only)

MATH 131S Support For Math 131: College Algebra
1.5 units
Acceptable for credit: Transfer CSU
Corequisite: MATH 131 - College Algebra

This course is offered as a supplement for students enrolled in Math 131; College Algebra. It is intended for students for whom support has been recommended or required. The course reviews prerequisite topics and strategies to be a more successful math student. (Fall, Spring, Summer) (Pass/No Pass)

MATH 135 Calculus with Applications

4.0 units

Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: Math 140
Prerequisite: MATH 331 - Algebra 2 ; or Placement according to AHC placement policy.
Techniques of calculus as applied to problem-solving in business and social, behavioral, and natural sciences, including limits, continuity, differentiation and integration in one and several dimensions, optimization, transcendental functions, and the use of computing technology. (Fall, Spring) (Letter Grade Only)

MATH 135S Support For Math 135: Calculus with Applications

1.5 units

Acceptable for credit: Transfer CSU
Corequisite: MATH 135 - Calculus with Applications
This course is offered as a supplement for students enrolled in Math 135, Calculus with Applications. It is intended for students for whom support has been recommended or required. The course reviews prerequisite topics and strategies to be a more successful math student. (Fall, Spring) (Pass/No Pass)

MATH 141 Precalculus

6.0 units

Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: MATH 955
Prerequisite: MATH 331 - Algebra 2 ; or Placement according to AHC placement policy.
Preparation for calculus: the study of polynomial, absolute value, radical, rational, exponential, and logarithmic functions, analytic geometry, and polar coordinates. The study of trigonometric functions, their inverses and their graphs, identities and proofs related to trigonometric expressions, trigonometric equations, solving right triangles, solving triangles using the Law of Cosines and the Law of Sines, and introduction to vectors. This is an accelerated one semester alternative to the two semesters of trigonometry (Math 121) and College Algebra (Math 131). (Fall, Spring, Summer) (Letter Grade Only)

MATH 141S Support For Math 141: Precalculus

1.5 units

Acceptable for credit: Transfer CSU
Corequisite: MATH 141 - Precalculus
This course is offered as a supplement for students enrolled in Math 141, Precalculus. It is intended for students for whom support has been recommended or required. The course reviews prerequisite topics and strategies to be a more successful math student. (Fall, Spring, Summer) (Pass/No Pass)

MATH 179A Support for Math 123: Elementary Statistics

1.0 unit

Acceptable for credit: D - Credit - Degree Applicable
This course is offered as a supplement for students enrolled in Math 123, Elementary Statistics. It is intended for students for whom support has been recommended or required. The course reviews prerequisite topics and strategies to be a more successful math student. (Fall, Spring) (Pass/No Pass)

MATH 181 Calculus 1

4.0 units

Acceptable for credit: *Transfer to CSU, limited to UC/see counselor
C-ID Course Number: MATH 210, MATH 900S
Prerequisite: MATH 141 - Precalculus ; or MATH 121 - Trigonometry ; and MATH 131 - College Algebra
The first in a two-semester sequence comprising first-year calculus. Topics include functions, limits, continuity, the derivative, differentiation of algebraic, trigonometric and transcendental functions, applications of differentiation, the definite integral, and the use of technology to solve calculus problems. (Fall, Spring, Summer) (Letter Grade Only)

MATH 181S Support for Math 181: Calculus 1

2.0 units

Acceptable for credit: Transfer CSU
Corequisite: MATH 181 - Calculus 1
This course is offered as a supplement for students enrolled in Math 181, Calculus 1. It is intended for students for whom support has been recommended or required. The course reviews prerequisite topics and strategies to be a more successful math student. (Pass/No Pass)

MATH 182 Calculus 2

4.0 units

Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: MATH 220, MATH 900S
Prerequisite: MATH 181 - Calculus 1
The second in a two-semester sequence comprising first-year calculus. Topics include methods and applications of integration, sequences and series, Taylor series, an introduction to differential equations, and the use of technology to solve calculus problems. (Fall, Spring) (Letter Grade Only)

MATH 183 Multivariable Calculus

4.0 units

Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: MATH 230
Prerequisite: MATH 182 - Calculus 2
Topics include vectors, functions of several variables; differentiation and integration in several dimensions; change of variables; parameterized curves and vector fields, line and surface integrals; Green's, Stokes', and divergence theorems. (Fall, Spring) (Letter Grade Only)

MATH 184 Linear Algebra/Differential Equations

5.0 units

Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: MATH 910S
Prerequisite: MATH 182 - Calculus 2

First order ordinary differential equations, including separable, linear, homogeneous of degree zero, Bernoulli and exact with applications and numerical methods. Solutions to higher order differential equations using undetermined coefficients, variation of parameters, and power series, with applications. Solutions to linear and non-linear systems of differential equations, including numerical solutions. Matrix algebra, solutions of linear systems of equations, and determinants. Vector spaces, linear independence, basis and dimension, subspace and inner product space, including the Gram-Schmidt procedure. Linear transformations, kernel and range, eigenvalues, eigenvectors, diagonalization and symmetric matrices. (Fall, Spring) (Letter Grade Only)

MATH 189 Independent Projects
1.0 - 3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Courses for students capable of independent work who demonstrate the need or desire for additional study beyond the regular curriculum. Enrollment allows students to pursue activities such as directed field experience, research, or development of skills and competencies under faculty advisement and supervision. Independent projects may be earned in most disciplines. Students wishing to enroll in Independent Projects should contact the appropriate instructor identified in the class schedule. If the project proposed is acceptable to that instructor, a contract will be developed. All contracts for these classes must be completed and submitted to the Records Office no later than the end of the second week of the semester. Students may enroll for any combination (unit value) of Independent Projects 189 and/or 389 for a total of four semesters in a specific discipline. Units are awarded depending upon satisfactory performance and the amount of time committed by the student to the course. Allowable units vary according to discipline, and are based on the following formula: 1 unit - 48 hours per semester 2 units - 96 hours per semester 3 units - 144 hours per semester (Letter Grade or Pass/No Pass)

MATH 309 Algebra and Math Literacy
4.0 units
Acceptable for credit: D - Credit - Degree Applicable
Prerequisite: MATH 521 - Foundations of Mathematics or MATH 531
This course will focus on mathematical modeling, including linear equations, quadratic equations and exponential equations. Fundamentals of algebra, geometry, statistics and measurement will be discussed. Numeracy, graphing and problem solving strategies will be incorporated throughout the course. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

MATH 311 Algebra 1
4.0 units
Acceptable for credit: D - Credit - Degree Applicable
Prerequisite: MATH 521 - Foundations of Mathematics ; or MATH 579A
A study of the fundamental ideas and methods used to simplify expressions and solve equations and inequalities, including applications. Topics covered include the real numbers, linear equations and inequalities, graphing, polynomials, factoring, rational expressions, introduction to square roots, and quadratic equations. This course is not open to students who are enrolled in or have received credit for MATH 313 or 314. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

MATH 321 First Year Geometry
3.0 units
Acceptable for credit: C - Credit - Not Degree Applicable
Prerequisite: MATH 309 - Algebra and Math Literacy ; or MATH 311 - Algebra 1 ; or completion of Math 313 and 314
A study of basic geometry principles including constructions, congruence, parallels, right triangles, similarity, circles, and proofs. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

MATH 331 Algebra 2
4.0 units
Acceptable for credit: D - Credit - Degree Applicable
Advisories: MATH 321 - First Year Geometry
Prerequisite: MATH 309 - Algebra and Math Literacy ; or MATH 311 - Algebra 1 ; or MATH 313 and MATH 314
A continuation of the study of methods used to simplify expressions and solve equations and inequalities, including applications. Topics covered include exponents and radicals, rational and radical expressions, complex numbers, nonlinear equations and inequalities, functions and their graphs, systems of equations, exponential expressions, and logarithms. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

MATH 331S Support For Math 331: Algebra 2
1.0 unit
Acceptable for credit: D - Credit - Degree Applicable
Corequisite: MATH 331 - Algebra 2
This course is offered as a supplement for students enrolled in Math 331; Algebra 2. It is intended for students for whom support has been recommended. or required. The course reviews prerequisite topics and strategies to be a more successful math student. (Fall, Spring, Summer) (Pass/No Pass)

MATH 521 Foundations of Mathematics
5.0 units
Acceptable for credit: C - Credit - Not Degree Applicable
Prepares students for the algebra sequence and updates mathematical skills for personal, career, or academic advancement. Topics include: fractions, decimals, percents, measurement, signed numbers, simple equations and modeling. The course emphasizes problem solving techniques that are useful in practical situations. Students should have knowledge of multiplication tables, division, subtraction, number operations and number sense, measurement, basic geometry, and patterns. The course is not open to students who have passed MATH 511. (Fall, Spring) (Letter Grade or Pass/No Pass)

Medical Billing

MB 305 Body Systems and Diseases
5.0 units
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: N/A
A study of medical terminology, anatomy, physiology, pathophysiology, diagnostic testing and treatment modalities. The

course is not open to students who are currently enrolled or have received credit for MA 305. (Fall) (Letter Grade Only)

MB 352 MB Administrative Procedures
4.0 units
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: NA
The course explores administrative office tasks including clerical and accounting procedures, written and oral communications, appointment scheduling, and records management. Topics include insurance, banking, professional fees, billing, and collection of fees. Administrative legal and ethical issues are addressed. Computer applications are employed for most functions in the medical field. The course is not open to students who are currently enrolled or have received credit for MA 352. (Fall, Spring) (Letter Grade Only)

MB 360 Medical Billing and Insurance
4.0 units
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: NA
Corequisite: MB 361 - Coding for Medical Insurance
Limitations on Enrollment: Completion of first semester medical billing or equivalent medical assisting courses.
The course covers practices and principles of health insurance using medical terminology for completion of medical forms. It is an introduction to various types of medical billing practices including the pegboard system, computerized billing, basic insurance forms, collections, and basic legal aspects of billing. The course is not open to students who have received credit for MA 360. (Fall) (Letter Grade Only)

MB 361 Coding for Medical Insurance
3.0 units
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: NA
Corequisite: MB 360 - Medical Billing and Insurance or MA 360
Limitations on Enrollment: Admittance to the medical billing program and/or completion of first semester medical billing or equivalent medical assisting courses.
The course covers practices and principles of health insurance and health care finance coding procedures. International Classification of Diseases 10th Revision Clinical Modification (ICD 10-CM), current Healthcare Common Procedure Coding System (HCPCS) and Current Procedural Terminology (CPT) guidelines for coding and reporting are utilized in practical application scenarios. The course is not open to students who have received credit for MA 361. (Fall) (Letter Grade Only)

Multimedia Arts & Communication

MMAC 101 Introduction to Multimedia
3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
The course explores how multimedia transforms experiences of creative expression and communication and impacts our cultural, business, and personal lives. Topics include project planning, development, and exploration through multiple projects. Projects include art for interaction, web imagery, animation, motion graphics, UI/UX, gaming, visual effects, video production, and transmedia storytelling. Course software: Adobe Creative Suite and other relevant software. (Fall, Spring) (Letter Grade or Pass/No Pass)

MMAC 102 Introduction to Multimedia Lab
1.0 unit
Acceptable for credit: Transfer CSU
Corequisite: MMAC 101 - Introduction to Multimedia
A hands-on introduction to the skills, tools, and processes of interactive multimedia, including creation of image, sound, animation and video files. Students will learn to use authoring software and simple scripting language to develop their projects. Course software: Adobe Photoshop, Animate, Audition, and Acrobat. (Fall, Spring) (Letter Grade or Pass/No Pass)

MMAC 112 Responsive Web Design
3.0 units
Acceptable for credit: Transfer CSU
Advisories: GRPH 111 - Digital Imagery Lab ; and GRPH 112 - Digital Imagery ; and GRPH 108 - Design 1 on the Computer ; or ART 108 - Design 1 on the Computer
An introduction to the skills and tools necessary for producing modern responsive web design for a variety of media devices. Students will learn how the combination of flexible grids, layouts, optimized images and the intelligent use of CSS media queries create easy reading and navigation for the end user. Software taught: Adobe Creative Suite. Languages learned HTML and CSS. (Fall) (Letter Grade or Pass/No Pass)

MMAC 114 Game and App Design
3.0 units
Acceptable for credit: Transfer CSU
Advisories: GRPH 108 - Design 1 on the Computer or ART 108 Design 1 On the Computer; or MMAC 129 - Digital Tools for Visual Media or GRPH 129 Digital Tools for Visual Media
Hands-on instruction in the techniques and tools for adding dynamic motion and interactivity to games and applications for a variety of media devices. Includes integration of graphics, video, text, and sound on desktop computers, tablets, phones, and other media devices. (Spring) (Letter Grade or Pass/No Pass)

MMAC 115 Introduction to Animation
3.0 units
Acceptable for credit: Transfer to UC, CSU
An introduction to animation production including classical character animation and other techniques. This course is not open to students who are enrolled in or have received credit for Art 115 or FILM 115. (Fall, Spring) (Letter Grade or Pass/No Pass)

MMAC 116 Intermediate Animation
3.0 units
Acceptable for credit: Transfer CSU
Prerequisite: ART 115 - Introduction to Animation ; or MMAC 115 - Introduction to Animation ; or FILM 115 - Introduction To Animation
A continuation of MMAC 115 emphasizing the development and refinement of animation skills through involvement in class and

individual projects. This course is not open to students who are enrolled in or have received credit for FILM 116. (Fall, Spring) (Letter Grade or Pass/No Pass)

MMAC 117 3D Computer Animation 1

3.0 units

Acceptable for credit: Transfer CSU
Advisories: GRPH 111 - Digital Imagery Lab ; or GRPH 112 - Digital Imagery ; or FILM 110 - Introduction to Motion Picture and Video Production
An introduction to 3D modeling and animation, using professional software to create characters, environments, and animation on the computer. This course is not open to students who are enrolled in or have received credit for FILM 117. (Fall) (Letter Grade or Pass/No Pass)

MMAC 118 3D Computer Animation 2

3.0 units

Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Prerequisite: FILM 117 - 3D Computer Animation 1 ; or MMAC 117 - 3D Computer Animation 1
An intermediate experience in 3D computer animation that reproduces the industry work environment for production of animation projects and show reels. This course is not open to students who have completed or who are enrolled in FILM 118. (Fall) (Letter Grade or Pass/No Pass)

MMAC 125 Computer Video Editing

3.0 units

Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Presents non-linear video editing including combining clips and digital source materials, editing digital movies, and preparing digital movies for the web. This course is not open to students who are enrolled in or have received credit for Film 125. (Fall, Spring) (Letter Grade or Pass/No Pass)

MMAC 126 Introduction to Motion Graphics

3.0 units

Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Advisories: GRPH 111 - Digital Imagery Lab ; and GRPH 112 - Digital Imagery
Explores new digital approaches for creating and compositing powerful visual imagery for use in film/video, multimedia, and design. Includes integration of graphics, video, text, and sound on desktop computers. This course is not open to students who are enrolled in or have completed FILM 126. Course software: Adobe After Effects and Photoshop. (Fall) (Letter Grade or Pass/No Pass)

MMAC 127 Digital Video Post-Production

3.0 units

Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Advisories: MMAC 125 - Computer Video Editing ; or FILM 125 - Computer Video Editing
This class is for students who wish to expand their digital video postproduction skills and learn to present and publish digital work on emerging media platforms. The course covers advanced non-linear video editing, digital effects and filters, color correction, and compression for distribution over the Internet and to mobile devices such as tablets and cellular phones. The class is a lecture/lab combination with lab work on Apple computers using current Final Cut Pro and Adobe Creative Suite software . Not open to students who are enrolled in or have received credit for FILM 127. (Spring) (Letter Grade or Pass/No Pass)

MMAC 128 Intermediate Motion Graphics

3.0 units

Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Advisories: FILM 126 - Introduction to Motion Graphics ; MMAC 126 - Introduction to Motion Graphics
Intermediate study in motion graphics utilizing current industry standard software. Emphasizes the expansion and refinement of digital visual effects skills through involvement in class and individual projects. This course is not open to students who are enrolled in or have completed FILM 128. Course software: Adobe After Effects, Photoshop, current industry software. (Fall) (Letter Grade or Pass/No Pass)

MMAC 129 Digital Tools for Visual Media

3.0 units

Acceptable for credit: Transfer to UC, CSU
A hands-on overview of computer operations, industry standard software and equipment common to digital visual communication. Students will apply art and design theory in the exploration of tools used in vector graphics, digital imaging, motion graphics and animation, and digital media interface design. Topics include media development, interactivity, file formats, storage and file management, industry trends and career options. Familiarity with current design software, hardware, input, and output devices will be established. Assignments integrate digital tools, techniques, and creative design using text and image, digital video and audio, and interactivity. The course is not open to students who are enrolled or have completed GRPH 129. (Fall) (Letter Grade or Pass/No Pass)

MMAC 189 Independent Projects

1.0 - 3.0 units

Acceptable for credit: Transfer CSU
Courses for students capable of independent work who demonstrate the need or desire for additional study beyond the regular curriculum. Enrollment allows students to pursue activities such as directed field experience, research, or development of skills and competencies under faculty advisement and supervision. Independent projects may be earned in most disciplines. Students wishing to enroll in Independent Projects should contact the appropriate instructor identified in the class schedule. If the project proposed is acceptable to that instructor, a contract will be developed. All contracts for these classes must be completed and submitted to the Records Office no later than the end of the second week of the semester. Students may enroll for any combination (unit value) of Independent Projects 189 and/or 389 for a total of four semesters in a specific discipline. Units are awarded depending upon satisfactory performance and the amount of time committed by the student to the course. Allowable units vary according to discipline, and are based on the following formula: 1

unit - 48 hours per semester 2 units - 96 hours per semester 3 units - 144 hours per semester (Fall, Spring) (Letter Grade or Pass/No Pass)

MMAC 380 Web-Based Multimedia Lab
1.0 unit
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: N/A
Corequisite: MMAC 112 or MMAC 114
An open-entry laboratory class designed to provide students with the opportunity to refine and expand techniques learned in the corequisite course. (Fall, Spring) (Pass/No Pass)

MMAC 381 Disk-Based Multimedia Lab
1.0 unit
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: N/A
Corequisite: MMAC 101 or MMAC 102 or MMAC 116 or MMAC 117 or MMAC 118 or GRPH 116 or FILM 117 or FILM 118
An open-entry laboratory class designed to provide students with the opportunity to refine and expand techniques learned in the corequisite course. (Fall, Spring) (Pass/No Pass)

MMAC 382 Video-Based Multimedia Lab
1.0 unit
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: N/A
Corequisite: MMAC 125 or MMAC 126 or MMAC 127 or MMAC 128 or FILM 125 or FILM 126 or FILM 127 or FILM 128
An open-entry laboratory class designed to provide students with the opportunity to refine and expand techniques learned in the corequisite course. (Fall, Spring) (Pass/No Pass)

Machine Technology

MT 109 Survey of Machining and Manufacturing
4.0 units
Acceptable for credit: Transfer CSU
An introduction to machining and manufacturing technology where students will learn basic tool geometry, blueprint reading, shop math, precision measuring tools, co-ordinate systems and how to safely operate a variety of industrial equipment. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

MT 110 CNC G Code
4.0 units
Acceptable for credit: Transfer CSU
Advisories: MT 109 - Survey of Machining and Manufacturing
This course is designed for students with machine shop experience seeking to learn set-up, operation and programming of computer numerical controlled (CNC) machines. Included is an introduction to Computer Aided Design and Manufacturing (CAD/CAM). (Letter Grade or Pass/No Pass)

MT 111 CNC CAD/CAM
4.0 units
Acceptable for credit: Transfer CSU
Advisories: MT 109 - Survey of Machining and Manufacturing
This course is designed for students with computer numerical controlled (CNC) machining and/or computer-aided design and computer-aided manufacturing (CAD/CAM) experience who wish to learn advanced set-up, operation and programming using CNC machines and CAD/CAM software. (Letter Grade or Pass/No Pass)

MT 112 CNC Multi-Axis
4.0 units
Acceptable for credit: Transfer CSU
Advisories: MT 111 - CNC CAD/CAM
An advanced course in computer numerical controlled (CNC) machining where students will learn to design complex parts using CAD/CAM software and produce them on 4 and 5 axis CNC milling machines and lathes with “live tooling.” (Letter Grade or Pass/No Pass)

MT 113 SolidWorks 1
3.0 units
Acceptable for credit: Non-Transferable
An introduction to three-dimensional computer aided design(CAD/CAM) where students will learn to design complex objects using SolidWorks. At the end of the course, students will be prepared for the Certified SolidWorks Associate (CSWA) assessment. It is recommended that students be capable of using a personal computer and managing computer files. (Letter Grade or Pass/No Pass)

MT 114 SolidWorks 2
3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Advisories: MT 113 - SolidWorks 1
An advanced course in three dimensional computer-aided-design (CAD) where students will learn to design complex parts and assemblies using SolidWorks. Students will learn to use SolidWorks to design Weldments, Sheet Metal components and Molds. This course will prepare students for the Certified SolidWorks Professional (CSWA) exam. (Spring) (Letter Grade or Pass/No Pass)

MT 115 Lean Manufacturing
3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
An introduction to the theory and practice of continuous improvement where students will learn to identify and eliminate waste, improve quality and increase efficiency in every area of manufacturing operations. Students will participate in an actual Kaizen (or continuous improvement) event to make a change for the better in a real world setting. (Fall, Spring) (Letter Grade or Pass/No Pass)

MT 116 Mastercam 1 (CAD/CAM)
3.0 units
Acceptable for credit: Transfer CSU
An introduction to Mastercam, a leading software for computer-aided design/computer-aided manufacturing (CAD/CAM). Students will learn to create lines and arcs, simple surfaces and solids. Students will create tool paths and machine code for

CNC lathes, mills and routers. (Fall, Spring) (Letter Grade or Pass/No Pass)

MT 117 Print Reading and Interpretation
3.0 units

Acceptable for credit: Transfer CSU
An introductory class where students will learn to read engineering drawings, evaluate print specifications, recognize orthographic views and visualize the actual objects or projects shown in the illustration. This course is not open to students who are enrolled in or have received credit for AB 330, AT 330, ET 330, MT 330, or AB/AT/ET 117. (Fall, Spring) (Letter Grade or Pass/No Pass)

MT 118 Understanding and Measuring GD and T
3.0 units

Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Advisories: MT 117 - Print Reading and Interpretation
An advanced class where students will learn to interpret complex manufacturing specifications, symbols and standards, including those referred to as Geometric Dimensioning and Tolerancing (GD and T). Students will evaluate components using a coordinate measuring machine and learn to generate accurate inspection reports. This course is not open to students who have received credit for MT 331. (Letter Grade or Pass/No Pass)

MT 189 Independent Projects
1.0 - 3.0 units

Acceptable for credit: Transfer CSU
Acceptable for credit: CSU, UC-Determined after admission Courses for students capable of independent work who demonstrate the need or desire for additional study beyond the regular curriculum. Enrollment allows students to pursue activities such as directed field experience, research, or development of skills and competencies under faculty advisement and supervision. Independent projects may be earned in most disciplines. Students wishing to enroll in Independent Projects should contact the appropriate instructor identified in the class schedule. If the project proposed is acceptable to that instructor, a contract will be developed. All contracts for these classes must be completed and submitted to the Records Office no later than the end of the second week of the semester. Students may enroll for any combination (unit value) of Independent Projects 189 and/or 389 for a total of four semesters in a specific discipline. Units are awarded depending upon satisfactory performance and the amount of time committed by the student to the course. Allowable units vary according to discipline, and are based on the following formula: 1 unit - 48 hours per semester 2 units - 96 hours per semester 3 units - 144 hours per semester (Letter Grade or Pass/No Pass)

MT 300 Shop Math and Measurement
3.0 units

Acceptable for credit: D - Credit - Degree Applicable
An introduction to the mathematics used in the Industrial Technology programs. Students will learn to solve problems using fractions, decimals, percentage, ratios and basic geometric shapes. Students will learn about the Cartesian coordinate system and how to use a variety of basic and precision measuring tools from rulers and tape measures to calipers and micrometers. This course is not open to students who are enrolled in, or have received credit for MT 381, AB 381, AT 381, ET 381, WLDT 381, or AT/AB/ET/WLDT 300. (Fall, Spring) (Letter Grade or Pass/No Pass)

MT 301 Introduction to Safety
2.0 units

Acceptable for credit: D - Credit - Degree Applicable
An introduction to manufacturing safety principles and practices. Students will learn about Material Safety Data Sheets (MSDS), work in confined space, lock out/tag out, zero energy state, hazardous materials, storage of flammable materials, storage of fuel gas and high pressure gas cylinders, portable powered tool safety, hand tool safety, record keeping, training, employer enforcement of safety regulations, and employee right to know. This course will prepare students for the optional Certified Production Technician (CPT) assessment through the Manufacturing Skill Standards Council (MSSC). (Letter Grade or Pass/No Pass)

MT 302 Quality and Process Improvement
2.0 units

Acceptable for credit: -
An introduction to quality practices in manufacturing. Students will learn to read and interpret blueprints, understand Geometric Dimensioning and Tolerancing(GD and T, use essential measuring tools, perform root cause failure analysis, adopt methods of process improvement and employ statistical tools. This course will prepare students for the optional Certified Production Technician (CPT) assessment through the Manufacturing Skill Standards Council (MSSC). (Letter Grade or Pass/No Pass)

MT 303 Manufacturing Processes and Production
2.0 units

Acceptable for credit: D - Credit - Degree Applicable
An introduction to manufacturing procedures, practices and principles. Students will learn about mechanical principles, machining operations and tooling, production materials documentation, manufacturing planning, production control, inventory management and product distribution. This course will prepare students for the optional Certified Production Technician (CPT) assessment through the Manufacturing Skill Standards Council (MSSC). (Letter Grade or Pass/No Pass)

MT 304 Maintenance Awareness
2.0 units

Acceptable for credit: D - Credit - Degree Applicable
An introduction to manufacturing maintenance awareness. Students will learn about basic electrical circuits, electrical, pneumatic and hydraulic power systems, lubrication concepts, bearings, and couplings, belt and chain drives and the concepts of machine control and automation. This course will prepare students for the optional Certified Production Technician (CPT) assessment through the Manufacturing Skill Standards Council (MSSC). (Letter Grade or Pass/No Pass)

MT 305 Select Machine Projects
1.5 units

Acceptable for credit: D - Credit - Degree Applicable
Repeatable: 2.00

Prerequisite: MT 109 - Survey of Machining and Manufacturing
Projects selected by the student upon the recommendation of any faculty member are developed under the direct counseling and guidance of the instructional staff in the Machine Technology disciplines. All work is completed within the machine facilities under the direct supervision of the responsible instructor. The student will develop the skills necessary to complete the project. (Letter Grade or Pass/No Pass)

MT 306 Advanced Machining
1.5 units
Acceptable for credit: D - Credit - Degree Applicable
Advisories: MT 109 - Survey of Machining and Manufacturing
This course will provide advanced training, continuing education and professional development for persons using industrial machine tools. Students will learn safe work habits, advanced set-up strategies and machining fundamentals such as the selection of optimum cutting speeds and feeds. (Letter Grade or Pass/No Pass)

MT 315 Advanced Machining
4.0 units
Acceptable for credit: D - Credit - Degree Applicable
Repeatable: 3.00
Prerequisite: MT 110 - CNC G Code
An individualized course of instruction covering those skills required for employment in a manufacturing machining facility, general machining facility, or a maintenance machining facility. The student will select 4, 8, 12, or 16 units from the appropriate skill cluster table (available in the Counseling Center). (Letter Grade or Pass/No Pass)

MT 370 SkillsUSA
3.0 units
Acceptable for credit: D - Credit - Degree Applicable
Repeatable: 3.00
SkillsUSA is a partnership of students, teachers and industry working together to ensure America has a skilled workforce. This SkillsUSA course prepares students for employment and inter-collegiate competition in Career Technical Education. Students will learn to plan projects, work in teams, solicit community support and develop a range of skills valued by employers. Students registered for this class may not register for AB 370, ARCH 370, AT 370, EL 370, ET 370, or WLDT 370 during the same semester. Participation in the SkillsUSA competition is required. This course may be repeated up to three times for credit with different competitions. (Letter Grade or Pass/No Pass)

MT 389 Independent Projects
1.0 - 3.0 units
Acceptable for credit: -
MT 389 Independent Projects is for students capable of independent work who demonstrate the need or desire for additional study beyond the regular curriculum. Enrollment allows students to pursue activities such as directed field experience, search or development of skills and competencies under faculty advisement and supervision. Students wishing to enroll in MT 389 Independent Projects should contact the appropriate instructor identified in the class schedule. If the project proposed is acceptable to that instructor, a contract will be issued no later than the end of the second week of the semester. Units are awarded depending upon satisfying performance and the amount of time committed by the students to the course. Allowable units vary according to discipline, and are based on the following formula: 1 unit - 48 hours per semester 2 units - 96 hours per semester 3 units - 144 hours per semester (Letter Grade or Pass/No Pass)

Music

MUS 100 Music Appreciation
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: MUS 100
An overview of the music of Western (European) civilization including analysis of its common forms, examination of its basic elements, survey of its development, and discussion of its relationship to the other arts and to general cultural history. Designed for the general student; music majors should enroll in Music 101 and 102. (Fall, Spring) (Letter Grade or Pass/No Pass)

MUS 101 Music History Ancient-Baroque
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: MUS 105
Advisories: ENGL 101 - Freshman Composition: Exposition
A study of the development of the music of Western civilizations from the ancient Greeks and early Christian periods through music of the eighteenth-century Baroque period. Recommended course for the music major. (Fall) (Letter Grade or Pass/No Pass)

MUS 102 Music History Classical-Modern
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: MUS 106
Advisories: ENGL 101 - Freshman Composition: Exposition ; MUS 101 - Music History Ancient-Baroque
A study of the development of music from the Classic and Romantic periods through the contemporary period. Recommended course for the music major. (Spring) (Letter Grade or Pass/No Pass)

MUS 104 Roots of Pop, Rock, Jazz
3.0 units
Acceptable for credit: Transfer to UC, CSU
A general survey course tracing the roots and special idiosyncrasies of the American popular music tradition from medieval Europe and Africa to the commercial and non-commercial world of today. (Fall, Spring) (Letter Grade or Pass/No Pass)

MUS 106 World Music Appreciation
3.0 units
Acceptable for credit: Transfer to UC, CSU
A study of the music of many cultures around the world. Includes an overview of the cultures and social situations that gave rise to these varied musical forms of expression. (Letter Grade or Pass/No Pass)

MUS 110 Music Fundamentals
2.0 units

Acceptable for credit: Transfer to UC, CSU
A basic and elementary approach to reading music, writing musical notation, and singing simple songs. Designed for the non-music major and the Elementary Teaching Credential candidate. (Spring, Summer) (Letter Grade or Pass/No Pass)

MUS 111 Music Theory 1

4.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: MUS 120, MUS 125
Advisories: MUS 110 - Music Fundamentals ; or The ability to read music.
A comprehensive course dealing with the fundamentals of traditional music theory and its applications in classical, commercial and global music. Course concepts include rhythm, meter, basic properties of sound, intervals, scales, modes, triads, seventh chords, 4-part voice leading, phrase structure, cadential formulas, figured-bass and non harmonic tones. These topics will be studied through guided composition and analysis as well as ear training, sight singing, aural analysis and dictation. (Fall) (Letter Grade or Pass/No Pass)

MUS 112 Music Theory 2

4.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: MUS 130, MUS 135
Prerequisite: MUS 111 - Music Theory 1
A continuation of Comprehensive Music Theory 1. In addition, through guided composition and analysis, the course will include: an introduction to two-part counterpoint; voice leading involving four-part chorale writing; diatonic harmony; and an introduction to secondary chords and modulation. These rhythmic, melodic and harmonic materials will be applied and developed through ear training, sight singing and dictation. (Spring) (Letter Grade or Pass/No Pass)

MUS 113 Music Theory 3

4.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: MUS 140, MUS 145
Prerequisite: MUS 112 - Music Theory 2
A continuation of Comprehensive Music Theory, dealing with sight singing, ear training, one and two-part melodic dictation, advanced materials of musicianship and rhythmic notation, advanced modulation techniques, tertian extensions of the triad including 9th, 11th and 13th chords, augmented sixth chords, Neapolitan sixth chords, advanced four-part harmonic writing, and analysis. (Fall) (Letter Grade or Pass/No Pass)

MUS 114 Music Theory 4

4.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: MUS 150, MUS 155
Prerequisite: MUS 113 - Music Theory 3
A continuation of Comprehensive Music Theory 3 dealing with sight singing, ear training, melodic dictation, complex rhythmic notation, and materials of musicianship, Post-Romantic harmony, quartal and quintal harmony, Impressionist harmonic procedures, Jazz, Atonality, the 12-tone method, integral serialism, aleatorism, Post-Serialism and minimalism. (Spring) (Letter Grade or Pass/No Pass)

MUS 115 Introduction to Sound Recording and Mixing

3.0 units
Acceptable for credit: Transfer CSU
An introduction to the equipment, terminology and procedures of sound engineering. Combines lectures and demonstrations with hands-on use of equipment. Students will have the opportunity to use professional sound recording and processing equipment in various recording and mix-down situations. This course is not open to students who are enrolled in or have received credit for Film 120. (Spring) (Letter Grade or Pass/No Pass)

MUS 116 Sound Production Techniques

3.0 units
Acceptable for credit: Transfer CSU
Explores the digital audio software for recording music and computer-based multi-track sound recording for producing audio for video projects, as well as the use of digital signal processors for mixing and mastering recordings. This course is not open to students who have received credit for or who are currently enrolled in FILM 121. (Letter Grade or Pass/No Pass)

MUS 117 Electronic Music MIDI Recording

3.0 units
Acceptable for credit: Transfer CSU
An introduction to the use of Musical Instrument Digital Interface (MIDI). Includes working with synthesizers, sequencing and music notation in a MIDI-controlled environment. This course is intended for music majors and non-majors. (Spring) (Letter Grade or Pass/No Pass)

MUS 118 Intro to Electronic Music

3.0 units
Acceptable for credit: Transfer CSU
An introduction to the various areas of electronic music, including the history of electronic music, sound synthesis techniques and the use of digital and analog synthesizers in a recording studio. Designed for both music majors and non-majors. (Letter Grade or Pass/No Pass)

MUS 119 Electronic Music Studio Technique

1.0 unit
Acceptable for credit: Transfer CSU
Prerequisite: MUS 118 - Intro to Electronic Music
Provides the opportunity for the student to apply and refine the sound synthesis skills introduced in Music 118. (Fall, Spring) (Letter Grade or Pass/No Pass)

MUS 120 Piano 2

1.0 unit
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: N/A
Prerequisite: MUS 128 - Piano 1
A basic piano course covering music reading, playing scales and arpeggios, simple chords, sight reading, and two handed elementary level pieces. Recommended for perspective

elementary classroom teachers and music majors who have had little or no piano training. (Fall, Summer) (Letter Grade or Pass/No Pass)

MUS 121 Piano 3
1.0 unit
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: N/A
Prerequisite: MUS 120 - Piano 2
A continuation of Music 120, covering technical problems, scales, arpeggios, chording, sight reading, fundamentals of technique, and the interpretation of piano literature within the ability of each student. Recommended for prospective elementary classroom teachers and music majors who have had an introduction to piano playing. (Fall, Spring) (Letter Grade or Pass/No Pass)

MUS 122 Piano 4
1.0 unit
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: N/A
Prerequisite: MUS 121 - Piano 3
A study of standard piano repertoire from style periods ranging from the Baroque period to modern works. Students will continue the study of scales, arpeggios, and correct performance practices. (Letter Grade or Pass/No Pass)

MUS 123 Voice 2
2.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: N/A
Prerequisite: MUS 129 - Voice 1
An introduction to the fundamental techniques of vocal performance. Topics include warm-up techniques, proper breathing, phrasing, vocal production diction, as well as an introduction to the vocal repertoire and associated performance practices. (Fall, Spring) (Letter Grade or Pass/No Pass)

MUS 124 Voice 3
2.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: N/A
Prerequisite: MUS 123 - Voice 2
A continuation of the development of vocal performance techniques introduced in MUS 123. Topics include exercises for the extension of the vocal range and improvement of diction and tone, as well as the study and performance of more difficult works from the vocal repertoire. (Fall, Spring) (Letter Grade or Pass/No Pass)

MUS 125 Beginning Guitar
1.0 unit
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: N/A
An introduction to the techniques of guitar performance including reading music and performing scales, chord patterns and beginning level pieces. The course is intended for music majors and non-majors. Students must provide his/her own acoustic guitar. (Fall) (Letter Grade or Pass/No Pass)

MUS 126 Intermediate Guitar
1.0 unit
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: N/A
Prerequisite: MUS 125 - Beginning Guitar
A continuation of Music 125 covering technical problems, scales, chording, sight reading, fundamentals of technique, and the interpretation of guitar literature within the ability of each student. (Fall, Spring) (Letter Grade or Pass/No Pass)

MUS 127 Voice 4
2.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: N/A
Prerequisite: MUS 124 - Voice 3
A study of standard vocal repertoire with an emphasis on solo and small ensemble literature. Students practice correct tone production, diction, stage presence, and style interpretation. (Fall, Spring) (Letter Grade or Pass/No Pass)

MUS 128 Piano 1
1.0 unit
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: N/A
An introductory lecture/lab course designed for the first time piano student, with instruction focused on good hand and finger position, learning the notes on the keyboard and music staff, and counting simple rhythms accurately. No prerequisites required. (Fall, Spring) (Letter Grade or Pass/No Pass)

MUS 129 Voice 1
2.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: N/A
An introductory singing lecture/lab course designed for the aspiring singer with little or no knowledge of vocal and music fundamentals. Emphasis Is placed on good vocal habits and instruction will include group lessons as well as private coaching, opportunities to work with a piano accompanist, and a recital performance. No prerequisites required. (Fall, Spring) (Letter Grade or Pass/No Pass)

MUS 130 Mixed Ensemble
1.0 unit
Acceptable for credit: Transfer to UC, CSU
Repeatable: 3.00
C-ID Course Number: MUS 180
Limitations on Enrollment: Audition at first class meeting.
Designed to give singers with varying degrees of musical experience the opportunity to rehearse and perform standard choral literature in a broad range of styles, including a cappella and instrumentally accompanied works. Public appearances are scheduled throughout the semester with an emphasis on community outreach. This course is designed to enhance mental/physical skills and fosters socialization. (Fall, Spring) (Letter Grade or Pass/No Pass)

MUS 132 Masterworks Chorale
1.0 unit

Acceptable for credit: Transfer to UC, CSU
Repeatable: 3.00
C-ID Course Number: MUS 180
Limitations on Enrollment: Audition at first class meeting.
Study and performance of standard choral literature of the later Baroque and early Classical periods. Includes the study and performance of selected larger, accompanied works. Public concert appearances presenting repertoire in a wide range of styles. (Fall, Spring) (Letter Grade or Pass/No Pass)

MUS 133 Chamber Voices

1.0 unit
Acceptable for credit: Transfer to UC, CSU
Repeatable: 3.00
C-ID Course Number: MUS 180
Limitations on Enrollment: Audition at first class meeting.
Provides the opportunity to study and perform standard choral literature of the Baroque and Classical periods. A cappella performance is emphasized. Public concert appearances will include repertoire in a wide range of styles, including accompanied works. Audition at first class meeting. (Fall, Spring) (Letter Grade or Pass/No Pass)

MUS 137 Concert Chorale

1.0 unit
Acceptable for credit: Transfer to UC, CSU
Repeatable: 3.00
C-ID Course Number: MUS 180
Limitations on Enrollment: Audition at first class meeting.
Designed to give singers the opportunity to rehearse and perform standard choral literature with emphasis on large choral works. (Fall, Spring) (Letter Grade or Pass/No Pass)

MUS 140 Symphonic Band

1.0 unit
Acceptable for credit: Transfer to UC, CSU
Repeatable: 3.00
C-ID Course Number: MUS 180
Limitations on Enrollment: Audition.
The study of band literature, techniques of ensemble playing, and concert performance. Numerous public performances. (Fall, Spring) (Letter Grade or Pass/No Pass)

MUS 143 Jazz Band

1.0 unit
Acceptable for credit: Transfer to UC, CSU
Repeatable: 3.00
C-ID Course Number: N/A
Designed for members of the Allan Hancock College Jazz Band, which will perform a variety of traditional and contemporary jazz works. The band will make several appearances during the semester. (Fall, Spring) (Letter Grade or Pass/No Pass)

MUS 144 Jazz Improvisation

1.0 unit
Acceptable for credit: Transfer to UC, CSU
Repeatable: 3.00
C-ID Course Number: N/A
Prerequisite: Ability to play appropriate instrument and read music.
Focuses on the development of various improvisational techniques in both small ensemble and Big Band Jazz situations. There will be several performances during the course of the semester. (Fall, Spring) (Letter Grade or Pass/No Pass)

MUS 145 Big Band Jazz

1.0 unit
Acceptable for credit: Transfer to UC, CSU
Repeatable: 3.00
Prerequisite: Ability to play an appropriate instrument and read music
A performance ensemble that specializes in the Big Band and Swing Music of the 1930s and 1940s. (Fall, Spring) (Letter Grade or Pass/No Pass)

MUS 146 Jazz Ensemble

1.0 unit
Acceptable for credit: Transfer to UC, CSU
Repeatable: 3.00
C-ID Course Number: N/A
Advisories: ability to play an appropriate instrument and read music
A performance ensemble that specializes in the music of Jazz composers and arrangers from the second half of the 20th century. The ensemble will have several performances each semester. (Fall, Spring) (Letter Grade or Pass/No Pass)

MUS 151 Concert Band

1.0 unit
Acceptable for credit: Transfer to UC, CSU
Repeatable: 3.00
C-ID Course Number: MUS 180
Limitations on Enrollment: Audition
The study of concert band literature, with an emphasis on ensemble performance and rehearsal techniques. There will be several public performances. (Fall, Spring) (Letter Grade or Pass/No Pass)

MUS 160 Music Business

2.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
An overview of business concerns that affect musicians and composers in the fields of live performance and sound recording. Topics include copyright; royalties; the roles of managers, agents, and attorneys; as well as Internet issues. (Spring) (Letter Grade or Pass/No Pass)

MUS 170 Applied Music

0.5 units
Acceptable for credit: Transfer CSU
Repeatable: 3.00
C-ID Course Number: MUS 160
Corequisite: MUS 111 - Music Theory 1 ; or MUS 112 Music Theory 2 MUS 113 Music Theory 3 MUS 114 Music Theory 4 MUS 130 Mixed Ensemble MUS 132 Masterworks Chorale MUS

133 Chamber Voices MUS 140 Symphonic Band MUS 143 Jazz Band MUS 144 Jazz Improvisation or MUS 137 Concert Chorale
Prerequisite: Audition Required
This course consists of individualized study of the appropriate techniques and repertoire for the specific instrument or voice being studied through private instruction. The emphasis is on the progressive development of skill needed for solo performance. Achievement is evaluated through a juried performance. Students must be concurrently enrolled in a performance ensemble and music theory course to enroll in Applied Music each of the four semesters. (Fall, Spring) (Letter Grade Only)

MUS 189 Independent Projects
1.0 - 3.0 units
Acceptable for credit: Transfer to UC, CSU
Courses for students capable of independent work who demonstrate the need or desire for additional study beyond the regular curriculum. Enrollment allows students to pursue activities such as directed field experience, search or development of skills and competencies under faculty advisement and supervision. Independent Projects may be earned in most disciplines. Students wishing to enroll in Independent Projects should contact the appropriate Academic Dean, or an instructor identified in the class schedule. If the project proposed is acceptable to that instructor, a contract will be developed. All contracts for these classes must be completed and approved by the appropriate dean before the last day of enrollment. Units are awarded depending upon satisfying performance and the amount of time committed by the students to the course. Allowable units vary according to discipline, and are based on the following formula: 1 unit - 48 hours per semester 2 units - 96 hours per semester 3 units - 144 hours per semester (Letter Grade or Pass/No Pass)

English As A Second Language (Noncredit)

NESL 7555 Pronunciation for ESL
48.0 - 54.0 hours
Acceptable for credit: N - Noncredit
Repeatable: 99.00
A pronunciation skills course for all levels of ESL students. This course introduces students to Standard American English consonant and vowel sounds, stress, and intonation. Students will practice listening discrimination and production skills at the segmental and suprasegmental levels. This is a mirrored course; it is offered at the same time and place as the credit course. Noncredit and credit students take the class together with one instructor and complete the same coursework. No credit is given for this course. (Satisfactory Progress)

Nursing

The nursing programs at Allan Hancock College provide students interested in nursing the opportunity to progress through the various levels of nursing education in a career ladder, from Nursing Assistant to Licensed Vocational Nurse to Registered Nurse. Students in all nursing programs are required by the clinical agencies to have drug screening and background checks. A positive drug screen or conviction appearing on the background check may make the student ineligible for clinical placement, and therefore ineligible to continue in the program.

NURS 101 Transitions to Professional Practice
1.5 units
Acceptable for credit: Transfer CSU
Limitations on Enrollment: Admittance to RN Program
The course facilitates transition to professional nursing practice. It focuses on ethical and legal issues and personal accountability and responsibility. It analyzes standards of practice and the significance of functioning according to state regulations and statutes. Nursing process and clinical nurse thinking are applied in communication, patient teaching, culture, and across the lifespan. It also identifies issues and trends that affect nursing practice and healthcare in general. (Spring) (Letter Grade Only)

NURS 102 Med Surg Nursing 1
3.0 units
Acceptable for credit: Transfer CSU
Limitations on Enrollment: Admittance to RN Program
This course focuses on the care of patients across the lifespan with complex medical/surgical health problems. Emphasis is placed on helping clients and their families cope with alterations in body functions throughout the continuum of healthcare. Concepts of pharmacology, health promotion and education, evidence based practice, and interdisciplinary collaboration will be integrated throughout the course. (Spring) (Letter Grade Only)

NURS 103 RN Practicum 1
5.0 units
Acceptable for credit: Transfer CSU
Corequisite: NURS 111 - RN Skills 1
Limitations on Enrollment: Admittance to RN Program
This course provides the student with clinical opportunities to apply theoretical concepts and implement safe care to patients across the lifespan in a variety of care settings. Introduction to complex clinical skills, as well as priority setting, clinical judgment, and tenets of legal and ethical practice, are integrated throughout the course. (Spring) (Letter Grade Only)

NURS 104 Med Surg Nursing 2
3.0 units
Acceptable for credit: Transfer CSU
Limitations on Enrollment: Admittance to RN program
This course focuses on the care of clients across the lifespan with complex medical/surgical health problems. Emphasis is placed on helping patients and their families cope with alterations in body functions. Concepts of pharmacology, health promotion and education, evidence based practice, and interdisciplinary collaboration will be integrated throughout the course. (Spring) (Letter Grade Only)

NURS 106 Leadership and Management
1.5 units
Acceptable for credit: Transfer CSU
Limitations on Enrollment: Admittance to RN Program and successful completion of first semester RN courses.
This course facilitates transition to professional nursing practice. It focuses on leadership and management concepts, delegation,

teamwork, conflict management, and contemporary issues. It includes change, quality management, applicable ethical and legal standards, and workplace issues. It covers application by examination for nursing licensure. (Fall) (Letter Grade Only)

NURS 108 RN Practicum 2

5.0 units

Acceptable for credit: Transfer CSU
Corequisite: NURS 112 - RN Skills 2
Limitations on Enrollment: Admittance to RN Program and successful completion of first semester RN courses.
The course provides opportunities to apply nurse caring concepts to people at risk. The student implements the nursing process with increasing level of independence. It includes a learning-objectives based preceptorship. (Fall) (Letter Grade Only)

NURS 109 Med Surg Nursing 3

3.0 units

Acceptable for credit: Transfer CSU
Limitations on Enrollment: Admittance to RN program and successful completion of first semester RN courses.
This course focuses on advanced concepts of nursing care as they relate to patients across the lifespan with complex, multisystem alterations in health. Emphasis is placed on implementing time management and organizational skills while managing the care of patients with multiple needs and collaborating with the interdisciplinary team. (Fall) (Letter Grade Only)

NURS 110 Mental Health Nursing

3.0 units

Acceptable for credit: Transfer CSU
Limitations on Enrollment: Admittance to RN Program and successful completion of first semester RN courses.
This course focuses on the care of patients across the lifespan experiencing cognitive, mental and behavioral disorders. Emphasis is placed on management of patients facing emotional and psychological stressors as well as promoting and maintaining the mental health of individuals and families. Concepts of crisis intervention, therapeutic communication, anger management, and coping skills are integrated throughout the course. The community as a site for care and support services is addressed. (Fall) (Letter Grade Only)

NURS 111 RN Skills 1

1.0 unit

Acceptable for credit: Transfer CSU
Limitations on Enrollment: Admittance to RN Program
This course provides opportunities to further develop clinical thinking and practice advanced nursing skills. These situations integrate previously nursing knowledge, skills, and attitudes with evidence-based protocols in a structured lab setting. (Spring) (Letter Grade Only)

NURS 112 RN Skills 2

0.5 units

Acceptable for credit: Transfer CSU
Limitations on Enrollment: Admittance to RN Program and successful completion of first semester RN courses.
This course provides opportunities to develop and practice advanced nursing skills. These complex skills integrate previously learned nursing skills and applied protocols in the structured lab setting. It facilitates clinical thinking, timely decision-making, and nursing actions to address patient conditions. (Fall) (Letter Grade Only)

NURS 189 Independent Projects in Nursing

1.0 - 3.0 units

Acceptable for credit: Transfer CSU
Courses for student capable of independent work who demonstrate the need or desire for additional study beyond the regular curriculum. Enrollment allows students to pursue activities such as directed field experience, search, or development of skills and competencies under faculty advisement and supervision. Independent Projects may be earned in most disciplines. Students wishing to enroll in Independent Projects should contact the appropriate instructor identified in the class schedule. If the project proposed is acceptable to that instructor, a contract will be developed no later than the end of the second week of the semester. Units are awarded depending upon satisfactory performance and the amount of time committed by the student to the course. Allowable units vary according to discipline, and are based on the following formula: 1 units - 48 hours per semester 2 units - 96 hours per semester 3 units - 144 hours per semester (Letter Grade Only)

NURS 300 CNA/Acute Care Aide

12.0 units

Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: NA
Limitations on Enrollment: Admittance to CNA program.
Prerequisite: ENGL 101 - Freshman Composition: Exposition
The course details the roles and responsibilities of the certified nursing assistant in both long-term and acute care settings. It emphasizes the importance of professionalism, responsibility, and accountability. It introduces various health care professional careers. (Fall, Spring) (Letter Grade Only)

NURS 310 Pharmacology

3.0 units

Acceptable for credit: D - Credit - Degree Applicable
Limitations on Enrollment: Admittance to the VN Program
The course covers basic pharmacologic principles including pharmacokinetics, pharmacodynamics, therapeutic effects, adverse effects, clinical uses, and contraindications. It introduces the nursing process and drug dosage calculations. Emphasis is on the role of the nurse in drug administration, prevention of drug interactions, assessment of therapeutic and adverse effects, and patient teaching across the lifespan. (Fall) (Letter Grade Only)

NURS 311 Medication Administration

1.5 units

Acceptable for credit: D - Credit - Degree Applicable
Limitations on Enrollment: Admittance to VN Program and successful completion of NURS 310
This course focuses on the administration of medications to adult, geriatric and pediatric patients that require medical, surgical or preventive intervention. Concepts of patient-centered care,

informatics, safety, evidence-based practice, quality, collaboration and professionalism are integrated throughout the course. (Spring) (Letter Grade Only)

NURS 317 Fundamentals of Nursing

3.5 units

Acceptable for credit: D - Credit - Degree Applicable
Limitations on Enrollment: Admittance to VN Program and successful completion of NURS 310
This course provides an introduction to nursing and roles of the nurse in various care settings; as well as profession-related and patient care concepts. Emphasis is placed on the knowledge and skills needed to provide safe, quality care. The theoretical foundation for basic assessment and nursing skills is presented and the student is given an opportunity to demonstrate these skills in a laboratory setting. An introduction to the nursing process provides the student with a beginning framework for decision making. (Spring) (Letter Grade Only)

NURS 318 Clinical Lab 1

8.0 units

Acceptable for credit: D - Credit - Degree Applicable
Corequisite: NURS 311 - Medication Administration ; and NURS 317 - Fundamentals of Nursing
Limitations on Enrollment: Admittance to VN Program and successful completion of NURS 310
This course focuses on the care of the adult patients in long-term care, acute care, and outpatient settings who require medical and/or surgical interventions. Concepts of patient-centered care, informatics, safety, evidence-based practice, quality, collaboration, and professionalism are integrated throughout the course. (Spring) (Pass/No Pass)

NURS 320 Care of Older Adults

2.0 units

Acceptable for credit: D - Credit - Degree Applicable
Limitations on Enrollment: Admittance to the VN program and/or successful completion of spring semester VN courses
This course focuses on the care of older adult patients with health issues that require medical and/or surgical interventions. Concepts of patient-centered care, informatics, safety, evidence-based practice, quality, collaboration, and professionalism are integrated throughout the course. (Summer) (Letter Grade Only)

NURS 322 Maternal and Infant Health

2.0 units

Acceptable for credit: D - Credit - Degree Applicable
Limitations on Enrollment: Admittance to VN Program and/or successful completion of the summer semester VN courses
This course focuses on the care of all phases of the maternity cycle including care of the obstetrical patient and newborn infant. Concepts of patient-centered care, informatics, safety, evidence-based practice, quality, collaboration, and professionalism are integrated throughout the course. (Fall) (Letter Grade Only)

NURS 323 Respiratory Conditions

2.0 units

Acceptable for credit: D - Credit - Degree Applicable
Limitations on Enrollment: Admittance to VN Program and/or successful completion of NURS 310
This course focuses on the care of adult patients with respiratory conditions that require medical and/or surgical interventions. Concepts of patient-centered care, informatics, safety, evidence-based practice, quality, collaboration, and professionalism are integrated throughout the course. (Spring) (Letter Grade Only)

NURS 327 GI and Urinary Conditions

2.5 units

Acceptable for credit: D - Credit - Degree Applicable
Limitations on Enrollment: Admittance to VN Program and/or successful completion of spring semester VN courses
This course focuses on the care of adult patients with gastrointestinal (GI) or urinary conditions that require medical and/or surgical intervention. Concepts of patient-centered care, informatics, safety, evidence-based practice, quality, collaboration, and professionalism are integrated throughout the course. (Summer) (Letter Grade Only)

NURS 328 Clinical Lab 2

3.0 units

Acceptable for credit: D - Credit - Degree Applicable
Limitations on Enrollment: Admittance to VN Program and/or successful completion of spring semester VN courses
The course is a supervised clinical experience in various health care settings using intermediate vocational nursing skills. (Summer) (Pass/No Pass)

NURS 329 Endocrine and Reproductive Conditions

2.5 units

Acceptable for credit: D - Credit - Degree Applicable
Limitations on Enrollment: Successful completion of NURS 310 and admission to VN Program
This course focuses on the care of adult patients with endocrine and reproductive conditions that require medical and/or surgical interventions. Concepts of patient-centered care, informatics, safety, evidence-based practice, collaboration, and professionalism are integrated throughout the course. (Spring) (Letter Grade Only)

NURS 330 Care of Infants and Children

1.5 units

Acceptable for credit: D - Credit - Degree Applicable
Limitations on Enrollment: Admittance to VN Program and/or successful completion of the summer semester VN courses
This course focuses on the care of pediatric patients with health issues that require medical and/or surgical intervention. Concepts of patient-centered care, informatics, safety, evidence-based practice, quality, collaboration, and professionalism are integrated throughout the course. (Fall) (Letter Grade Only)

NURS 331 Cardiovascular Conditions

2.0 units

Acceptable for credit: D - Credit - Degree Applicable
Limitations on Enrollment: Admittance to VN Program and/or successful completion of summer semester VN courses

This course focuses on the care of adult patients with circulatory conditions that require medical and/or surgical interventions. Concepts of patient-centered care, informatics, safety, evidence-based practice, quality, collaboration, and professionalism are integrated throughout the course. (Fall) (Letter Grade Only)

NURS 332 Neurosensory Conditions

2.0 units

Acceptable for credit: D - Credit - Degree Applicable
Limitations on Enrollment: Admittance to VN Program and/or successful completion of summer semester VN courses
This course focuses on the care of adult patients with neurological conditions that require medical and/or surgical interventions. Concepts of patient-centered care, informatics, safety, evidence-based practice, quality, collaboration, and professionalism are integrated throughout the course. (Fall) (Letter Grade Only)

NURS 335 Skin and Musculoskeletal Conditions

2.5 units

Acceptable for credit: D - Credit - Degree Applicable
Limitations on Enrollment: Admittance to VN Program and/or successful completion of spring semester VN courses
This course focuses on the care of adult patients with skin and musculoskeletal conditions that require medical and/or surgical interventions. Concepts of patient-centered care, informatics, safety, evidence-based practice, quality, collaboration, and professionalism are integrated throughout the course. (Summer) (Letter Grade Only)

NURS 337 Professional Relationships

1.0 unit

Acceptable for credit: D - Credit - Degree Applicable
Limitations on Enrollment: Admittance to VN Program and/or successful completion of summer semester VN courses
This course facilitates the transition of the student to the role of a licensed vocational nurse (LVN). Emphasis is placed on issues related to nursing and healthcare as well as skills necessary to provide care to multiple patients and assign tasks to other LVNs and unlicensed personnel. Concepts related to leadership and management are presented as well as career development options that enhance career mobility. Standards of practice and the importance of practicing according to state regulations and statutes are examined. (Fall) (Letter Grade Only)

NURS 338 Clinical Lab 3

8.0 units

Acceptable for credit: D - Credit - Degree Applicable
Limitations on Enrollment: Admittance to VN Program and/or successful completion of summer semester VN courses
This clinical course focuses on the care of adult, children, and obstetric patients in acute, long term, and outpatient settings who require medical and/or surgical interventions. Concepts of patient-centered/family-centered care, informatics, safety, evidence-based practice, quality, collaboration, and professionalism are integrated throughout the course. (Fall) (Pass/No Pass)

NURS 370 Intravenous Therapy

2.0 units

Acceptable for credit: D - Credit - Degree Applicable
Limitations on Enrollment: Current California LVN license or concurrent enrollment in the third semester VN program.
The course prepares the student for starting and superimposing intravenous fluids, blood, and blood products. Licensed vocational nurses that successfully complete the course will be issued a California Board of Vocational Nurse and Psychiatric Technician Examiners certificate of completion. (Letter Grade Only)

NURS 380 Licensed Vocational Nursing Skills Lab

0.5 units

Acceptable for credit: D - Credit - Degree Applicable
Repeatable: 2.00
Corequisite: enrollment in the licensed vocational nursing program
Open-entry laboratory course designed to provide students with the opportunity to refine and expand skills learned in the corequisite program. Students may repeat the course as they progress through the program. (Fall, Spring) (Pass/No Pass)

NURS 416 Certified Home Health Aide

2.0 units

Acceptable for credit: C - Credit - Not Degree Applicable
C-ID Course Number: N/A
Advisories: MA 305 - Body Systems and Disease
Limitations on Enrollment: Completion of course admission packet.
Prerequisite: NURS 400; or NURS 300 - CNA/Acute Care Aide ; or Proof of current CNA certificate
The course prepares the certified nurse assistant to expand skills and meet the home health aide eligibility requirements for State of California certification. (Summer) (Letter Grade Only)

NURS 420 Restorative Aide

1.5 units

Acceptable for credit: C - Credit - Not Degree Applicable
C-ID Course Number: N/A
Limitations on Enrollment: Must provide documentation of being a current certified nursing assistant or proof of successful completion of NATAP testing.
Prepares the certified nursing assistant to assist the resident in maintaining or promoting independence in the areas of mobility and performing activities of daily living. Upon successful completion, the student will receive a certificate of completion and will be qualified to work as a restorative aide in a long-term facility under the guidance of a licensed physical or occupational therapist or a licensed nurse. 26 CEUs will be offered. (Summer) (Letter Grade Only)

NURS 422 EKG/Monitor Observer

1.5 units

Acceptable for credit: C - Credit - Not Degree Applicable
C-ID Course Number: N/A
Limitations on Enrollment: Completion of course admission packet.
Prepares the medical professional to function as a monitor observer in a clinical area where patients receive cardiac monitoring. Basic electrocardiograph patterns and cardiac arrhythmias are learned. (Letter Grade Only)

NURS 480 Certified Nursing Assistant Skills Lab
0.5 units
Acceptable for credit: C - Credit - Not Degree Applicable
Corequisite: enrollment in the licensed vocational nursing program
Open-entry laboratory class designed to provide students with the opportunity to refine and expand skills learned in the corequisite program. Students may repeat the course as they progress through the program. (Fall, Spring) (Pass/No Pass)

Noncredit Nursing

NURX 7149 Work Experience Education
60.0 - 75.0 hours
Acceptable for credit: N - Noncredit
Repeatable: 4.00
Limitations on Enrollment: To participate in this course, (1) the student must be working at a job within their major; (2) the student must be able to become involved in new or expanded responsibilities on the job; (3) the employer must be willing to cooperate with Allan Hancock College in the supervision and evaluation of the student; and (4) the student must attend all coordination/consultation meetings in addition to other work and course responsibilities. Students enrolled in NURX 7149 may earn up to 120 (unpaid placement) - 150 (paid placement) hours. These hours will count towards a maximum of 480 (unpaid) - 600 (paid) hours.
Supervised employment extending career and technical education program-based learning in Health Sciences including but not limited to medical assisting, nursing assisting, etc. to an on-the-job learning environment related to the student's career and educational goals. These work experiences improve the student's basic work skills and professional competencies by creating career awareness, improving work habits, and fostering positive workplace attitudes and behaviors. (Satisfactory Progress)

Older Adults (Noncredit)

OLDR 7000 Natural History: Central Coast
4.0 - 8.0 hours
Acceptable for credit: N - Noncredit
This course, designed to promote socialization and cognitive acuity, presents an engaging review of the natural history and conservation issues related to the Central Coast of California. Discussion topics include (but are not limited to) plant communities, floral components, geology, soil, climate, biology, archeology, and environmental concerns. (Spring) (Noncredit)

OLDR 7001A Topics for Older Adults
15.0 - 45.0 hours
Acceptable for credit: N - Noncredit
This course is designed to promote the socialization and mental stimulation through the presentation and discussion of international, national, and local events from a current and historical viewpoint. Topics include a range of literature, current world issues, historical events, and personal issues of interest as they relate to the student.

OLDR 7002 Great Literature
6.0 - 12.0 hours
Acceptable for credit: N - Noncredit
Prerequisite: TEEN Y
This course is an intellectually and socially rewarding class in which outstanding short stories, essays, books, plays and poems are read and discussed. Through the method of shared inquiry, along with thought-provoking questions, students are offered exciting opportunities for self-discovery and personal growth.

OLDR 7005 Film Appreciation
4.0 - 12.0 hours
Acceptable for credit: N - Noncredit
This course is an examination of film as an art form, which emphasizes film appreciation, a study of the historical context, dramatic issues, artistic and technical objectives, and narrative genre. Students view films and critically analyze and discuss the genre in order to develop a broad appreciation, insight, and analytical understanding of visual media.

OLDR 7035 Jewelry Making and Repair
24.0 - 68.0 hours
Acceptable for credit: N - Noncredit
Repeatable: 5.00
C-ID Course Number: n/a
Discover how easy it is to make a ring or pendant and perform simple jewelry repairs. Topics include jewelry restoration, restringing pearls or beads, silversmithing, and goldsmithing. This course provides an avenue for creative expression, fine and soft motor skills and improved mental acuity. (Fall, Spring) (Satisfactory Progress)

OLDR 7100 Sensory Awareness
32.0 - 36.0 hours
Acceptable for credit: N - Noncredit
This sensory awareness class is designed to engage the five senses in order to sustain mental/cognitive acuity. Activities include discussions centered on current events and topics of interest. Music, storytelling, touch, aroma, and taste experiences provide focus and stimulation. (Fall, Spring, Summer) (Noncredit)

OLDR 7101A Crafts for Seniors
32.0 - 36.0 hours
Acceptable for credit: N - Noncredit
Learn to work with one or all of the following craft media in this survey of crafts class: clay, paper, fabric, and paint. Some classes have a materials fee.

OLDR 7102 Current Topics
32.0 - 36.0 hours
Acceptable for credit: N - Noncredit
This course is designed to promote socialization and stimulate memory and cognition. Students explore a wide range of topics via discussions, guest speakers, and other techniques. Course discussion and activities draw upon current local, national, and/or world topics, and draws upon the participants' experiences and knowledge of current and historical events. (Fall, Spring) (Noncredit)

OLDR 7200 Int. Watercolor Painting

24.0 - 54.0 hours

Acceptable for credit: N - Noncredit

Designed with the older adult in mind, expand your knowledge of watercolor and aquamedia techniques, develop your personal painting style, and enhance creative thinking and expression in this inspirational class. Demonstrations, challenging projects, and creative exercises build ability and confidence. Appropriate for all with a basic knowledge of watercolor. (Fall, Spring, Summer) (Noncredit)

OLDR 7201A Jewelry, Sculpture, and Repousse

48.0 - 54.0 hours

Acceptable for credit: N - Noncredit

Develop your creative expression through mixed-media sculpture and pewter repousse, a mixed media with enamels and acrylics. Create two- and three-dimensional sculptures from wood, metal, clay, plaster, fabric, and paper. Explore design fundamentals including space, perspective, dimension, proportion, and balance.

OLDR 7206A Tole Painting

48.0 - 54.0 hours

Acceptable for credit: N - Noncredit

Prerequisite: TEEN Y

Students explore the history of tole painting, while gaining practical experience in the basic techniques of brush control, shading, use of color, and finishing. Additional course topics include fabric painting, folk art, and pen and ink methods, with an emphasis on artistic awareness, small-muscle dexterity, social interaction, and self-esteem.

OLDR 7209 Botanical Illustration

24.0 - 54.0 hours

Acceptable for credit: N - Noncredit

Designed with the older adult in mind, explore drawing and/or watercolor, and learn to create accurate renderings of plants, ranging from fruits and vegetables to weeds and wildflowers while exploring your creative expression. Review examples of the classic scientific style in botanical illustration and the use of realistic plant images in contemporary, fine art. Exercises range from quick sketches to finished compositions. Beginners are welcome. (Fall, Spring, Summer) (Noncredit)

OLDR 7211 The Joy of Drawing

24.0 - 54.0 hours

Acceptable for credit: N - Noncredit

Drawing is the foundation of visual communication and can only be learned through practice. Students explore the use of charcoal, colored pencil, graphite, and ink to develop graphic fluency. Exercises help students give form and definition, convey volume, define planes, give movement and direction, and articulate emotion through drawing. (Fall, Spring, Summer) (Noncredit)

OLDR 7212A Watercolor Painting

45.0 - 51.0 hours

Acceptable for credit: N - Noncredit

This course is designed for developing and/or sustaining confidence in creative expression, as well as providing opportunities for creative/personal growth, community engagement, and lifelong learning. Beginning-to-advanced painters learn basic to advanced watercolor techniques while working on gross and fine motor skills, and memory recall. Course will also explore art history, color theory, design elements, color mixing, brush techniques, luminous transparent wash techniques, and simple elements of composition. (Noncredit)

OLDR 7213 Painting in Oils and Acrylics

24.0 - 51.0 hours

Acceptable for credit: N - Noncredit

Learn how to paint your favorite subjects. This class covers the basics of oil and acrylics, from the beginning drawing to the finished painting. Beginning through experienced painters who wish to work with oils and acrylic media are welcome. (Fall, Spring, Summer) (Noncredit)

OLDR 7214 Ceramics 1

96.0 - 108.0 hours

Acceptable for credit: N - Noncredit

Repeatable: 5.00

C-ID Course Number: N/A

This course serves as an introduction to ceramics materials, concepts and processes, including design principles, creative development, and ceramic terminology. Low-fire clay and glaze processes using hand-building forming techniques will be emphasized. These practices will help students to improve fine/gross motor skills, enhance mental acuity, enhance creativity, foster socialization, and increase appreciation for the arts among older adults. (Fall, Spring) (Noncredit)

OLDR 7215 Mixed Media 1

96.0 - 108.0 hours

Acceptable for credit: N - Noncredit

Repeatable: 2.00

C-ID Course Number: NA

An exploration of a variety of traditional and distinctly unique 2-dimensional art media as they relate to drawing and painting mediums. This course is designed to enhance mental/physical skills and fosters socialization. (Fall) (Noncredit)

OLDR 7216 Ceramics 2

96.0 - 108.0 hours

Acceptable for credit: N - Noncredit

Repeatable: 5.00

C-ID Course Number: NA

A continuation of Ceramics 1 and low-fire clay and glaze processes, using the potter's wheel, extruder, making and using molds, graphic design with low-fire colored glazes. This course is designed to enhance mental/physical skills and fosters socialization. (Fall, Spring) (Noncredit)

OLDR 7400 Mixed Ensemble

52.0 - 58.5 hours

Acceptable for credit: N - Noncredit

C-ID Course Number: N/A

Limitations on Enrollment: Audition at first class meeting

Designed to give singers with varying degrees of musical experience the opportunity to rehearse and perform standard choral literature in a broad range of styles, including a cappella and

instrumentally accompanied works. Performances are scheduled throughout the semester with an emphasis on community outreach. This course is designed to enhance mental/physical skills and fosters socialization. (Fall, Spring) (Noncredit)

OLDR 7401 Jazz Ensemble
48.0 - 54.0 hours
Acceptable for credit: N - Noncredit
Repeatable: 12.00
Designed for members of the Allan Hancock College Jazz Band, which will perform a variety of traditional and contemporary jazz works. The band will make several appearances during the semester. This course is designed to enhance mental/physical skills and fosters socialization. (Fall, Spring) (Noncredit)

OLDR 7405 Symphonic Band
48.0 - 54.0 hours
Acceptable for credit: -
Repeatable: 12.00
This is a noncredit class for students in the community who wish to play and perform in a community band. This course provides social interactions as well as the development of dexterity and continued development of breathing capacity for the older adult. The band performs a concert for the public every six to eight weeks. (Noncredit)

Parenting (Noncredit)

PARN 7002 Topics of Parenting
6.0 - 16.0 hours
Acceptable for credit: N - Noncredit
This course covers a wide variety of topics related to parent/family education. The topics will vary each term, dependent upon the needs of the parents/families enrolled in the course. Topics may include, but not be limited to the following: child growth and development, family literacy, 5 protective factors, health, safety, nutrition, family financial literacy, community resources, and other relevant topics based on family requests. (Fall, Spring) (Noncredit)

PARN 7010 Strengthening Families
8.0 - 10.0 hours
Acceptable for credit: N - Noncredit
This course presents the knowledge and skills necessary to successfully guide, discipline, and communicate with children. Students learn parenting styles and healthy living skills to meet current challenges facing families. (Fall, Spring) (Noncredit)

PARN 7011 Mommy/Daddy and Me: Toddlers
16.0 - 18.0 hours
Acceptable for credit: N - Noncredit
Students in this course participate in discussions facilitated by an experienced parent educator and covers important topics such as emerging independence, sleep issues, nutrition, and self-esteem. Parents learn play activities featuring easel painting, art experiences, outdoor play, music, and exploration of new environments. (Fall, Spring, Summer) (Noncredit)

Personal Development

PD 100 Personal and Career Exploration
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: N/A
Provides in-depth career direction with an intensive exploration of one's own values, interests, abilities, and an intensive career information search. Instruction includes self-paced materials, lecture, small group discussion, interviews, and input from various campus departments. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

PD 101 Success in College
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: N/A
Assists students in considering individual development with the goal of increasing knowledge of self and others within the college. Topics include self-knowledge and assessment, learning to learn, and making the best use of college resources. This course is not open to students who have received credit for LS 101. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

PD 102 Human Relationships
3.0 units
Acceptable for credit: Transfer CSU
An exploration of the dynamics of human relationships with an emphasis on a positive view of human connections, and how individuals relate to one another. Counseling and psychology theories integrated with communication skills are combined to better understand oneself within relationships and how to create positive relationships. (F,S) (Fall, Spring) (Letter Grade or Pass/No Pass)

PD 110 College Success Seminar
1.0 unit
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Designed specifically for first-time students to introduce them to the college and its resources. Develops critical awareness of the student's role in the college culture focusing on strategies for achieving academic success. Teaches students to deal effectively with the myriad of academic, personal, and professional choices through interactive learning and practical application. Students will transfer skills and abilities to other courses thereby improving student success. (Fall, Spring, Summer) (Pass/No Pass)

PD 114 Navigating University Transfer
1.0 unit
Acceptable for credit: Transfer CSU
C-ID Course Number: NA
Designed specifically for transfer students to introduce them to information and resources available to facilitate their transfer from Allan Hancock College to four-year colleges and universities. Students will develop critical awareness of research tools and learn to explore transfer possibilities, focus on strategies for selecting schools that fit their academic and personal needs, and design

a plan for achieving their transfer goals. (Fall, Spring, Summer) (Pass/No Pass)

PD 115 Career Planning
1.0 unit
Acceptable for credit: Transfer CSU
A career planning course designed to assist students in discovering their basic aptitudes, skills, interests, personality, and values. Uses standardized vocational preference inventories, self-directed search, and career resource research to develop a career and educational plan. (F,S) (Pass/No Pass)

Personal Development Noncredit

PDNC 7000 College Success Strategies for Noncredit Students
20.0 hours
Acceptable for credit: N - Noncredit
C-ID Course Number: N/A
In this course, students will learn about the tools, study skills and resources to be successful in noncredit courses. This course is aimed to support students who are new, current and returning noncredit students. (Fall, Spring, Summer) (Noncredit)

PDNC 7001 Noncredit Bridge to Credit Seminar
20.0 hours
Acceptable for credit: N - Noncredit
C-ID Course Number: N/A
This course will provide students the tools, study skills and resources to help their successful transition to credit courses. This course aims to support students who are new, current and returning noncredit students. (Fall, Spring, Summer) (Noncredit)

PDNC 7100 College Connect
8.0 hours
Acceptable for credit: N - Noncredit
Repeatable: 1.00
An introduction to college culture, policies, resources, and services. Topics include the characteristics of a successful student as well as strategies and essential tools to ensure a successful first semester. (Fall, Spring, Summer) (Noncredit)

PDNC 7101 Career Connect
8.0 hours
Acceptable for credit: N - Noncredit
Repeatable: 1.00
C-ID Course Number: n/a
An exposure and skill development course in establishing mentorship relationships, building professional networks, and engaging in internships designed to enhance students' abilities in career success within their academic journey. (Noncredit)

Physical Education

PE 100 Introduction to Kinesiology
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: KIN 100
An introduction to the discipline of kinesiology including the importance, philosophy, history, and biomechanics of human movement. Students will be exposed to various professional opportunities available to those pursuing an education in the field of exercise science. Students will also examine ways of understanding and studying human movement and its role and significance in daily life. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

PE 106 Sports Officiating
3.0 units
Acceptable for credit: Transfer CSU
An introduction to the basic principles of sports officiating with emphasis on the following sports: baseball/softball, basketball, football, soccer and volleyball. Includes application of contest rules, officiating mechanics, officiating styles, and professional responsibilities applicable to each sport covered. Students will learn about ethical considerations, effective communication, decision making skills, and conflict resolution, as they relate to professional officiating. (Fall, Spring) (Letter Grade or Pass/No Pass)

PE 118 Indoor Cycling
1.0 unit
Acceptable for credit: Transfer CSU
C-ID Course Number: NA
Indoor cycling techniques to improve cardio-respiratory fitness, muscular strength and endurance, and flexibility. Emphasis will be on improving overall fitness and endurance through a low-impact activity utilizing stationary bicycles, and auditory and visual cues. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

PE 120 Beginning and Intermediate Swimming
1.0 unit
Acceptable for credit: Transfer to UC, CSU
An introduction to swimming, mastering the skills of the crawl stroke and elementary backstroke, and learning personal safety skills such as floating, treading water, and elementary forms of rescue. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

PE 121 Swim Fitness Lab
1.0 unit
Acceptable for credit: *Transfer to CSU, limited to UC/see counselor
Advisories: PE 120 - Beginning and Intermediate Swimming
Designed to permit students to develop skills and improve and maintain overall physical fitness and cardiovascular conditioning in a low impact aquatic environment with flexible scheduling. Students may not be concurrently enrolled in PE 122. (Fall, Spring, Summer) (Pass/No Pass)

PE 122 Swim Fitness Lab
0.5 units
Acceptable for credit: *Transfer to CSU, limited to UC/see counselor
Advisories: PE 120 - Beginning and Intermediate Swimming
Designed to permit students to develop skills and improve and maintain overall physical fitness and cardiovascular conditioning in a low impact aquatic environment with flexible scheduling.

Students may not be concurrently enrolled in PE 121. (Fall, Spring, Summer) (Pass/No Pass)

PE 123 Aerobic Swim

1.0 unit

Acceptable for credit: *Transfer to CSU, limited to UC/see counselor

Advisories: PE 120 - Beginning and Intermediate Swimming

This course familiarizes the student with the concepts of aerobic fitness, aerobic fitness evaluation, and swimming as an alternative aerobic conditioning program. Students will tailor an aerobic swim fitness program to meet their own needs with the goal of improving and maintaining their level of aerobic fitness. Students will learn how to take and use their heart rate as an indicator for evaluating and monitoring their level of aerobic fitness and their progress towards aerobic fitness. Specifically students will learn how to take and evaluate the three important stages of heart rate, resting heart rate (RHR), target or training heart rate (THR), and recovery heart rate. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

PE 128 Sport Psychology

3.0 units

Acceptable for credit: Transfer to UC, CSU

Designed to provide mental and psychological considerations as they relate to sport and exercise. Students will learn how various subjects impact the participation in and execution of sport in both individual and team settings. Subjects such as leadership and communication, goal setting, anxiety, violence, team cohesion, burnout, and drug abuse will be discussed. (Fall, Spring) (Letter Grade or Pass/No Pass)

PE 129 First Aid-CPR: Educator/Coach

1.0 unit

Acceptable for credit: Transfer CSU

Repeatable: 100.00

This course is designed to allow students who are considering a kinesiology based profession, to develop the necessary knowledge and skills to successfully respond in various first aid and safety circumstances which may arise in their distinctive work environment as a professional educator/coach. Topics include: injury prevention; sudden illness; heat/cold related injuries; responding to acute asthmatic emergencies; soft tissue, and muscular, bone and joint injuries; responding to unconscious or choking persons; and cardiac emergencies. At the end of the course, students will be American Red Cross “lay responder” certified in first aid, AED, and adult, child, and infant CPR. Students will not be certified at the “professional rescuer” level. Students must obtain and review the required textbook prior to the first class meeting. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

PE 130 Self Defense

1.0 unit

Acceptable for credit: *Transfer to CSU, limited to UC/see counselor

Affords all students the opportunity to become proficient in basic self-defense skills. Instruction in both physical and mental skills regarding methods and techniques for providing personal safety and defending oneself. Defensive and offensive tactics will be presented in the areas of movement, leverage, striking, and the utilization of various objects. Does not require any prior martial arts training. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

PE 132 Cardio Kickboxing

1.0 unit

Acceptable for credit: *Transfer to CSU, limited to UC/see counselor

Emphasizes aerobic and strength conditioning through martial art movements. An aerobic exercise program that improves endurance, strength, and flexibility by using kickboxing movements. It involves a variety of punching and kicking movements focusing in the mirror and then on the workout bag. The high intensity, low impact activity accommodates most students at all fitness levels. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

PE 133 Beginning Yoga Fitness

1.0 unit

Acceptable for credit: *Transfer to CSU, limited to UC/see counselor

Fundamentals of physical yoga at a beginning level, which focus on breathing, posture, and the development of the connection between the mind and muscles of the body. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

PE 134 Martial Arts Techniques

1.0 unit

Acceptable for credit: *Transfer to CSU, limited to UC/see counselor

Introduction to basic techniques from over 10 different martial arts systems. Discussion of characteristics of each style, as well as physical and mental attributes of those likely to excel within each system. This non-sparring exercise program will improve reflexes, coordination, strength, flexibility, balance, and muscle tone. Techniques will be practiced in the mirror and on work-out bags. Designed to accommodate most students of various fitness levels. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

PE 135 Intermediate Yoga Fitness

1.0 unit

Acceptable for credit: Transfer CSU

Advisories: PE 133 - Beginning Yoga Fitness or Comparable Experience

Continued instruction and practice in intermediate-based yoga poses designed to enhance strength, flexibility, balance and focus. Emphasis on safety, proper body alignment, improved posture, and developing breathing techniques that encourage mind-body integration and relaxation response. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

PE 140 Physical Fitness Laboratory

1.0 unit

Acceptable for credit: *Transfer to CSU, limited to UC/see counselor

Designed to permit students to build muscle mass and strength, as well as develop overall physical fitness and cardiovascular conditioning. Provides students with the opportunity to utilize sophisticated conditioning equipment to accomplish their individual conditioning goals. Three hours per week with flexible hours.

Students may not be concurrently enrolled in PE 141. (Fall, Spring, Summer) (Pass/No Pass)

PE 141 Physical Fitness Laboratory

0.5 units

Acceptable for credit: Transfer to UC, CSU

Designed to permit students to build muscle mass and strength, as well as develop overall physical fitness and cardiovascular conditioning. Provides students with the opportunity to utilize sophisticated conditioning equipment to accomplish their individualized conditioning goals. Two hours per week with flexible hours. Students may not be concurrently enrolled in PE 140. (Fall, Spring, Summer) (Pass/No Pass)

PE 142 Low Impact Conditioning Exercises

1.0 unit

Acceptable for credit: Transfer to UC, CSU

Provides ways for students to improve fitness level by using principles of cardiovascular conditioning, flexibility, strength, coordination, and endurance training. Special attention is given to proper motion, but not required for participation. (Fall, Spring) (Letter Grade or Pass/No Pass)

PE 143 Step Aerobics

1.0 unit

Acceptable for credit: *Transfer to CSU, limited to UC/see counselor

An aerobic exercise program that improves aerobic conditioning, flexibility, muscular strength and endurance by utilizing a platform for stepping up and down. Includes a variety of stepping routines and strength training exercises in controlled rhythmic patterns set to music. The complete high intensity low impact balanced aerobic activity accommodates students at all fitness levels. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

PE 146 Strength and Flexibility

1.0 unit

Acceptable for credit: Transfer to UC, CSU

Designed to improve body alignment, flexibility and tone, and to strengthen problem areas, i.e. back, knees, and abdominals, through the use of various exercise equipment and a variety of stretching and strength exercises. Students learn a basic strength-fitness exercise program. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

PE 147 Intermediate Strength and Flexibility

1.0 unit

Acceptable for credit: Transfer CSU

C-ID Course Number: n/a

Designed to improve body alignment, flexibility and tone, and to strengthen problem areas, i.e. back, knees, and abdominals, through the use of various exercise equipment and a variety of stretching and strength exercises. Students learn an intermediate strength-fitness exercise program. (Letter Grade or Pass/No Pass)

PE 149 Cooperative Work Experience: Occupational

1.0 - 8.0 units

Acceptable for credit: Transfer CSU

Limitations on Enrollment: To participate in Cooperative Work Experience: (1) students must be working at a job within their major, (2) students must be able to become involved in new or expanded responsibilities on the job, (3) the employer must be willing to cooperate with the college in the supervision and evaluation of the student and (4) the student must attend all coordination/consultation meetings in addition to other work and class responsibilities. NUMBER OF TIMES COURSE CAN BE REPEATED: Students enrolled in CWE 149 may earn up to 8 units of credit per semester not to exceed 16 units in total. Any units earned in any other Cooperative Work Experience course will be included in the 16 unit maximum. CWE Units Unpaid Placement: 1 unit 60 hours 2 units 120 hours 3 units 180 hours 4 units 240 hours 5 units 300 hours 6 units 360 hours 7 units 420 hours 8 units 480 hours CWE Units Paid Placement: 1 unit 75 hours 2 units 150 hours 3 units 225 hours 4 units 300 hours 5 units 375 hours 6 units 450 hours 7 units 525 hours 8 units 600 hours

Supervised employment extending classroom-based learning to an on-the-job learning environment relating to the student's career and educational goals. In addition, these work experiences improve the student's basic work skills and professional competencies by creating career awareness, improving work habits, and fostering positive workplace attitudes. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

PE 154 Jogging/Walking

1.0 unit

Acceptable for credit: *Transfer to CSU, limited to UC/see counselor

In this course, students improve cardiovascular and muscular physical fitness levels and flexibility by learning the concepts and principles and applying the techniques associated with walking and jogging. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

PE 156 Beginning Golf

1.0 unit

Acceptable for credit: Transfer CSU

Introduction to golf, elementary golf skills, the values and challenge of the game. Emphasis on developing a sound, repeating one-piece golf swing. Range practice. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

PE 160 Tennis

1.0 unit

Acceptable for credit: *Transfer to CSU, limited to UC/see counselor

Designed to equip the student with the necessary knowledge and skills to become proficient enough to enjoy the game of tennis and participate at the beginning level. Fundamental strokes and strategy will be stressed. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

PE 164 Soccer

1.0 unit

Acceptable for credit: *Transfer to CSU, limited to UC/see counselor

Designed to prepare students to learn soccer and the rules of soccer. Fundamentals, strategy, and techniques will be stressed. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

PE 167 Basketball
1.0 unit
Acceptable for credit: *Transfer to CSU, limited to UC/see counselor
This course stresses the development of the fundamental skills, basic team offense and defense, and physical conditioning. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

PE 170 Softball
1.0 unit
Acceptable for credit: *Transfer to CSU, limited to UC/see counselor
This course is designed to provide the fundamental skills and knowledge necessary to successfully participate in the game of softball. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

PE 172 Volleyball
1.0 unit
Acceptable for credit: *Transfer to CSU, limited to UC/see counselor
This course is designed to give instruction and practice in the fundamental skills basic to successful performance in volleyball. Rules and offensive and defensive formation will be included. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

PE 179 Experimental Courses in Physical Education
0.5 - 10.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: NA
Course designed to test new curriculum in physical education before adopting it as part of an academic program. (Letter Grade or Pass/No Pass)

PE 189 Independent Projects
1.0 - 3.0 units
Acceptable for credit: Transfer CSU
Courses for students capable of independent work who demonstrate the need or desire for additional study beyond the regular curriculum. Enrollment allows students to pursue activities such as directed field experience, research, or development of skills and competencies under faculty advisement and supervision. Independent projects may be earned in most disciplines. Students wishing to enroll in Independent Projects should contact the appropriate Academic Dean, or an instructor identified in the class schedule. If the project proposed is acceptable to that instructor, a contract will be developed. All contracts for these classes must be completed and approved by the appropriate dean before the last day of enrollment. Units are awarded depending upon satisfactory performance and the amount of time committed by the student to the course. Allowable units vary according to discipline, and are based on the following formula: 1 unit - 48 hours per semester 2 units - 96 hours per semester 3 units - 144 hours per semester (Fall, Spring) (Letter Grade or Pass/No Pass)

PE 199 Special Topics in Physical Education
0.5 - 3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: NA
Provides an opportunity to explore particular aspects of the discipline which are not covered in detail in the existing program. (Letter Grade or Pass/No Pass)

PE 379 Experimental Courses in Physical Education
0.5 - 10.0 units
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: NA
Courses designed in physical education to test new curriculum before adopting it as part of a new program. (Letter Grade or Pass/No Pass)

Intercollegiate Athletics

PEIA 100 Intercollegiate Football
3.0 units
Acceptable for credit: Transfer to UC, CSU
Repeatable: 12.00
Limitations on Enrollment: Instructor recommendation and CCCAA (California Community College Athletic Association) eligibility required, with no limitation on repeats if CCCAA eligible.
Designed to give students extensive practice and instruction in football to prepare them for intercollegiate competition. Attendance at intercollegiate events associated with this course will be required of students. Students may repeat this course if they are CCCAA eligible. (Fall) (Letter Grade or Pass/No Pass)

PEIA 105 Intercollegiate Soccer, Women
3.0 units
Acceptable for credit: Transfer to UC, CSU
Repeatable: 12.00
Limitations on Enrollment: Instructor recommendation and CCCAA (California Community College Athletic Association) eligibility required, with no limitations on repeats if CCCAA eligible.
Designed to give students extensive practice and instruction in soccer to prepare them for intercollegiate competition. Attendance at intercollegiate events associated with this course will be required of students. Students may repeat this course if they are CCCAA eligible. (Fall) (Letter Grade or Pass/No Pass)

PEIA 110 Intercollegiate Soccer, Men
3.0 units
Acceptable for credit: Transfer to UC, CSU
Repeatable: 12.00
Limitations on Enrollment: Instructor recommendation and CCCAA (California Community College Athletic Association) eligibility required, with no limitations on repeats if CCCAA eligible.
Designed to give students extensive practice and instruction in soccer to prepare them for intercollegiate competition. Attendance at intercollegiate events associated with this course will be required of students. Students may repeat this course if they are CCCAA eligible. (Fall) (Letter Grade or Pass/No Pass)

PEIA 120 Intercollegiate Cross-Country
3.0 units
Acceptable for credit: Transfer to UC, CSU
Repeatable: 12.00
Limitations on Enrollment: Instructor recommendation and CCCAA (California Community College Athletic Association) eligibility required, with no limitations on repeats if CCCAA eligible.
Designed to give students extensive practice and instruction in cross-country to prepare them for intercollegiate competition. Attendance at intercollegiate events associated with this course will be required of students. Students may repeat this course if they are CCCAA eligible. (Fall) (Letter Grade or Pass/No Pass)

PEIA 125 Intercollegiate Volleyball
3.0 units
Acceptable for credit: Transfer to UC, CSU
Repeatable: 12.00
Limitations on Enrollment: Instructor recommendation and CCCAA (California Community College Athletic Association) eligibility required, with no limitations on repeats if CCCAA eligible.
Designed to give students extensive practice and instruction in volleyball to prepare them for intercollegiate competition. Attendance at intercollegiate events associated with this course will be required of students. Students may repeat this course if they are CCCAA eligible. (Fall) (Letter Grade or Pass/No Pass)

PEIA 130 Intercollegiate Basketball, Men
1.5 - 3.0 units
Acceptable for credit: Transfer to UC, CSU
Repeatable: 12.00
Limitations on Enrollment: Instructor recommendation and CCCAA (California Community College Athletic Association) eligibility required, with no limitations on repeats if CCCAA eligible.
Designed to give students extensive practice and instruction in basketball to prepare them for intercollegiate competition. Attendance at intercollegiate events associated with this course will be required of students. Students may repeat this course if they are CCCAA eligible. (Fall, Spring) (Letter Grade or Pass/No Pass)

PEIA 135 Intercollegiate Basketball, Women
1.5 - 3.0 units
Acceptable for credit: Transfer to UC, CSU
Repeatable: 12.00
Limitations on Enrollment: Instructor recommendation and CCCAA (California Community College Athletic Association) eligibility required, with no limitations on repeats if CCCAA eligible.
Designed to give students extensive practice and instruction in basketball to prepare them for intercollegiate competition. Attendance at intercollegiate events associated with this course will be required of students. Students may repeat this course if they are CCCAA eligible. (Fall, Spring) (Letter Grade or Pass/No Pass)

PEIA 140 Intercollegiate Baseball
3.0 units
Acceptable for credit: Transfer to UC, CSU
Repeatable: 12.00
Limitations on Enrollment: Instructor recommendation and CCCAA (California Community College Athletic Association) eligibility required, with no limitations on repeats if CCCAA eligible.
Designed to give students extensive practice and instruction in baseball to prepare them for intercollegiate competition. Attendance at intercollegiate events associated with this course will be required of students. Students may repeat this course if they are CCCAA eligible. (Spring) (Letter Grade or Pass/No Pass)

PEIA 145 Intercollegiate Softball
3.0 units
Acceptable for credit: Transfer to UC, CSU
Repeatable: 12.00
Limitations on Enrollment: Instructor recommendation and CCCAA (California Community College Athletic Association) eligibility required, with no limitations on repeats if CCCAA eligible.
Designed to prepare students to compete in intercollegiate competition. Fundamentals of softball and advanced technique and strategy will be stressed as in any intercollegiate sport. Attendance at intercollegiate events associated with this course will be required of students. Students may repeat this course if they are CCCAA eligible. (Spring) (Letter Grade or Pass/No Pass)

PEIA 150 Intercollegiate Track, Men
3.0 units
Acceptable for credit: Transfer to UC, CSU
Repeatable: 12.00
Limitations on Enrollment: Instructor recommendation and CCCAA (California Community College Athletic Association) eligibility required, with no limitations on repeats if CCCAA eligible.
Designed to give students extensive practice and instruction in track to prepare them for intercollegiate competition. Attendance at intercollegiate events associated with this course will be required of students. Students may repeat this course if they are CCCAA eligible. (Spring) (Letter Grade or Pass/No Pass)

PEIA 155 Intercollegiate Track, Women
3.0 units
Acceptable for credit: Transfer to UC, CSU
Repeatable: 12.00
Limitations on Enrollment: Instructor recommendation and CCCAA (California Community College Athletic Association) eligibility required, with no limitations on repeats if CCCAA eligible.
Designed to give students extensive practice and instruction in track to prepare them for intercollegiate competition. Attendance at intercollegiate events associated with this course will be required of students. Students may repeat this course if they are CCCAA eligible. (Spring) (Letter Grade or Pass/No Pass)

PEIA 170 Intercollegiate Golf
3.0 units
Acceptable for credit: Transfer to UC, CSU
Repeatable: 12.00

Limitations on Enrollment: Instructor recommendation and CCCAA (California Community College Athletic Association) eligibility required, with no limitations on repeats if CCCAA eligible.
Extensive practice and instruction in course management skills and techniques that prepares the student for intercollegiate golf competition. Competition includes individual and team matches, tournaments and conference tournaments. Attendance at intercollegiate events associated with this course will be required of students. Students may repeat this course if they are CCCAA eligible. (Spring) (Letter Grade or Pass/No Pass)

PEIA 180 Intercollegiate Swimming, Men
3.0 units
Acceptable for credit: Transfer to UC, CSU
Repeatable: 12.00
Limitations on Enrollment: Instructor recommendation and CCCAA (California Community College Athletic Association) eligibility required, with no limitation on repeats if CCCAA eligible.
Designed to prepare students to compete in intercollegiate competition. Fundamentals of swimming and advanced technique and strategy will be stressed as in any intercollegiate sport. Attendance at intercollegiate events associated with this course will be required of students. Students may repeat this course if they are CCCAA (California Community College Athletic Association) eligible. (Fall, Spring) (Letter Grade or Pass/No Pass)

PEIA 185 Intercollegiate Swimming, Women
3.0 units
Acceptable for credit: Transfer CSU
Repeatable: 12.00
Limitations on Enrollment: Instructor recommendation and CCCAA (California Community College Athletic Association) eligibility required, with no limitation on repeats if CCCAA eligible.
Designed to prepare students to complete in intercollegiate competition. Fundamentals of swimming and advanced technique and strategy will be stressed as in any intercollegiate sport. Attendance at intercollegiate events associated with this course will be required of students. Students may repeat this course if they are CCCAA (California Community College Athletic Association) eligible. (Spring) (Letter Grade or Pass/No Pass)

PEIA 188 Intercollegiate Water Polo, Women
3.0 units
Acceptable for credit: Transfer CSU
Limitations on Enrollment: Instructor recommendation and CCCAA (California Community College Athletic Association) eligibility required, with no limitation on repeats if CCCAA eligible.
Designed to prepare students to compete in intercollegiate competition. Fundamentals of water polo and advanced technique and strategy will be stressed as in any intercollegiate sport. Attendance at intercollegiate events associated with this course will be required of students. Students may repeat this course if they are CCCAA (California Community College Athletic Association) eligible. (Fall, Spring) (Letter Grade or Pass/No Pass)

PEIA 195 Intercollegiate Conditioning
0.5 - 3.0 units
Acceptable for credit: Transfer to UC, CSU
Repeatable: 12.00
Limitations on Enrollment: Instructor recommendation and CCCAA (California Community College Athletic Association) eligibility required, with no limitation on repeats if CCCAA eligible.
Designed to permit students to utilize an individualized strength and body-building program using a combination of exercise machines and free weights in preparation for participation in intercollegiate competition. Students may not be concurrently enrolled in PE 140 or PE 141. Students will additionally engage in a variety of activities designed to enhance skill development and performance capabilities required for successful participation in future competitive intercollegiate sport circumstances and events. Students may repeat this course if they are CCCAA (California Community College Athletic Association) eligible. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

Philosophy

PHIL 101 Survey of Philosophy
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: PHIL 100
An overview of the central issues and movements in philosophy. Topics to be selected from such areas as ethics, political philosophy, metaphysics (the study of reality), epistemology (the study of knowledge), logic, aesthetics, phenomenology and existentialism. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

PHIL 102 Existence and Reality
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: N/A
An introduction to the problems of metaphysics (the study of reality and existence) and epistemology (the study of knowledge). Possible topics include the existence of God, freedom versus determinism, the mind/body problem, problems of knowledge, appearance versus reality, and existentialism. (Letter Grade or Pass/No Pass)

PHIL 105 Ethics
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: PHIL 120
An introduction into the nature of ethics examining ethical issues, traditional and nontraditional ethical systems, and various contemporary ethical problems such as abortion and euthanasia. (Spring, Summer) (Letter Grade or Pass/No Pass)

PHIL 112 Logic
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: PHIL 110
An introduction to the methods of principles of logic exploring inductive logic, deductive logic, and critical thinking including applications to philosophy, the exact sciences, the social sciences, and to reasoning in everyday life. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

PHIL 114 Critical Thinking
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: N/A
Prerequisite: ENGL 101 - Freshman Composition: Exposition
Introduction to critical thinking and critical writing. The student will learn techniques of practical reasoning and argumentation, with emphasis on application of these techniques in the writing of a sequence of argumentative essays. Topics include: critical reading, argument analysis, recognizing propaganda and stereotypes, clarifying ambiguity, meaning and definition, evaluation evidence, logical correctness versus factual correctness, and common mistakes in reasoning (formal and informal fallacies). Critical writing strategies are emphasized. Sample arguments for analysis are drawn from readings in philosophy and from culturally diverse sources in other fields. This course has been designed to fulfill the IGETC Critical Thinking/English Composition requirement. (Fall, Spring) (Letter Grade or Pass/No Pass)

PHIL 121 Religions of the Modern World
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: N/A
An introduction to the religious philosophy, beliefs and practices of six major world religions, including brief historical and cultural background on each. Hinduism, Buddhism, Taoism, Judaism, Islam, and Christianity will be studied. (Fall, Spring) (Letter Grade or Pass/No Pass)

PHIL 122 Exploring Religious Issues
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: N/A
An exploration of the basic issues involved in the philosophy of religion. Topics covered include the existence of God, the nature of God, the nature of evil, life after death, and the methodology required to find answers to these issues. A variety of approaches and viewpoints will be considered. (Fall) (Letter Grade or Pass/No Pass)

PHIL 189 Independent Projects
0.0 units
Acceptable for credit: Transfer CSU
Courses for students capable of independent work who demonstrate the need or desire for additional study beyond the regular curriculum. Enrollment allows students to pursue activities such as directed field experience, research, or development of skills and competencies under faculty advisement and supervision. Independent projects may be earned in most disciplines. Students wishing to enroll in Independent Projects should contact the appropriate instructor identified in the class schedule. If the project proposed is acceptable to that instructor, a contract will be developed. All contracts for these classes must be completed and submitted to the Records Office no later than the end of the second week of the semester. Students may enroll for any combination (unit value) of Independent Projects 189 and/or 389 for a total of four semesters in a specific discipline. Units are awarded depending upon satisfactory performance and the amount of time committed by the student to the course. Allowable units vary according to discipline, and are based on the following formula: 1 unit - 48 hours per semester 2 units - 96 hours per semester 3 units - 144 hours per semester (Letter Grade Only)

Physical Sciences

PHSC 111 Matter, Energy and Molecules
4.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: CHEM 140
Introduction to the basic principles of physical science and applications of these principles in everyday life. Topics include, but are not limited to, the following: scientific method, measurements, force and motion, work and energy, heat, waves, fluids, electricity, atomic physics, matter, compounds, molecules, chemical reactions, and ions. (Fall) (Letter Grade or Pass/No Pass)

PHSC 112 Earth and the Universe
4.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: GEOL 121
Introduction to the basic principles of astronomy and earth sciences and applications of these principles to everyday life. Topics include the solar system, stars, galaxies, and cosmology, structure and formation of the earth, earth quakes, volcanoes, plate tectonics, the atmosphere, the ocean, and weather. (Letter Grade or Pass/No Pass)

PHSC 199A Colorado Plateau
3.0 units
Acceptable for credit: D - Credit - Degree Applicable
Advisories: Concurrent enrollment in college-level life or physical science course.
Limitations on Enrollment: Completion of course application and procedures for enrollment.
Intensive field study experience in introducing students to the Earth, Physical, and Space Sciences of the Colorado Plateau Physiographic Region. (Pass/No Pass)

Photography

PHTO 101 History of Photography
3.0 units
Acceptable for credit: Transfer to UC, CSU
This course is a historical survey of the evolving nature of photography from the 1800's to the present. This course examines the role and function of photography and its cultural history, including its relationship to the fine arts, sciences, social sciences, fashion, and mass media. Emphasizes the aesthetic and historical influences on photography, as well as the medium of photography's effects upon society and culture and as a form of visual communication. (Fall, Spring) (Letter Grade or Pass/No Pass)

PHTO 110 Basic Photography
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: N/A
Designed to introduce the student to the fundamentals of photography as a means of personal expression or as

a tool for professional growth. Introduces the student to the history of photography, photographic theory, and cultural influences. Emphasizes the adjustable camera for effective visual communication and personal expression. Included will be units on cameras, lighting, exposure, print development, aesthetics, composition, content, and critical evaluation of student work. It includes basic instruction of image editing software for manipulating imagery. Any type of lens-based, image-making device including digital SLR's, 35mm film cameras, smart phones, digital point-and-shoot cameras can be used. Manual digital camera suggested. School cameras are available for checkout. Appropriate for students without prior photographic experience. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

PHTO 120 Materials and Processes

3.0 units

Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Prerequisite: PHTO 110 - Basic Photography ; or PHTO 170 - Digital Photography
A course exploring alternative photographic materials and processes including pinhole photography, cyanotype, Van Dyke, gum printing, toning, making digital and traditional enlarged negatives and making photographic books. A course for students with a background in photography or digital photography. Students are responsible for providing cameras, paper, mat board and other miscellaneous supplies necessary to the completion of work. Process chemicals are supplied. (Letter Grade or Pass/No Pass)

PHTO 130 Advanced Black and White Photography

3.0 units

Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Prerequisite: PHTO 110 - Basic Photography
A course investigating theories and working techniques in black and white photography using analog and hybrid digital systems to produce negatives and prints. Exploration of advanced techniques for controlling the printing process. Emphasizes the utilization of those techniques in pursuit of a personal visual style. Students are required to provide their own cameras, film and paper. (Spring) (Letter Grade or Pass/No Pass)

PHTO 140 Introduction to Color Photography

3.0 units

Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: N/a
Prerequisite: PHTO 110 - Basic Photography ; or PHTO 170 - Digital Photography
A course designed to introduce the students to the fundamentals of color photography, including the practical application of color theory to problems involving the use of color negative film and color prints as a means of personal expression along with scanning of film for digital output. Includes an examination of contemporary trends in color imagery. Students are required to supply their own cameras, film and paper. (Spring) (Letter Grade or Pass/No Pass)

PHTO 150 Introduction to Commercial Photography

2.0 units

Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Prerequisite: PHTO 110 - Basic Photography
A combined lab and lecture course that provides the student with an overview of photography as a career. Introduces professional photographic equipment and techniques in actual studio situations. Students will produce photographs of architecture, portraits, and advertising subjects as they would for a commercial client. 1 hour per week lecture, 3 hours per week lab. Adjustable 35 mm camera suggested, school cameras available. (Fall, Spring) (Letter Grade or Pass/No Pass)

PHTO 151 Portrait Photography

2.0 units

Acceptable for credit: Transfer CSU
C-ID Course Number: N/a
An introductory lecture/lab course examining the styles, considerations, and techniques of photographic portraiture, including studio, headshots, environmental, and fashion photography. Introduces lighting and equipment specific to photographic portraiture. Requires an adjustable camera with manual exposure mode. (Fall) (Letter Grade or Pass/No Pass)

PHTO 170 Digital Photography

3.0 units

Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Corequisite: PHTO 385 - Digital Photo Lab 2 ; PHTO 384 - Digital Photo Lab 1
An introductory course on the tools of digital photography including cameras, scanners, printers and Adobe Lightroom software. Topics include image capture, enhance enhancement and presentation including ink jet prints and digital slideshows. For this course Mac skills are useful, but not essential. (Fall, Spring) (Letter Grade or Pass/No Pass)

PHTO 179A Intro to View Camera

2.0 units

Acceptable for credit: D - Credit - Degree Applicable
An introduction to the equipment and techniques of large format photography including producing negatives and prints. The student will work with view cameras in the studio and on location to create a variety of image styles. (S1) (Letter Grade or Pass/No Pass)

PHTO 189 Independent Projects in Photography

1.0 - 3.0 units

Acceptable for credit: Transfer CSU
Courses for students capable of independent work who demonstrate the need or desire for additional study beyond the regular curriculum. Enrollment allows students to pursue activities such as directed field experience, research, or development of skills and competencies under faculty advisement and supervision. Independent projects may be earned in most disciplines. Students wishing to enroll in Independent Projects should contact the appropriate instructor identified in the class schedule. If the project proposed is acceptable to that instructor, a contract will be

developed. All contracts for these classes must be completed and submitted to the Records Office no later than the end of the second week of the semester. Students may enroll for any combination (unit value) of Independent Projects 189 and/or 389 for a total of four semesters in a specific discipline. Units are awarded depending upon satisfactory performance and the amount of time committed by the student to the course. Allowable units vary according to discipline, and are based on the following formula: 1 unit - 48 hours per semester 2 units - 96 hours per semester 3 units - 144 hours per semester (Letter Grade or Pass/No Pass)

PHTO 199A Photojournalism
2.0 units
Acceptable for credit: -
Advisories: PHTO 110 - Basic Photography
Designed to give a working knowledge of the equipment, techniques, markets and strategies necessary for those who desire to pursue a career in photography for publication. (Letter Grade or Pass/No Pass)

PHTO 380 Black And White Photo Lab 1
0.5 units
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: N/A
Corequisite: PHTO 110 - Basic Photography ; or PHTO 120 - Materials and Processes ; or PHTO 130 - Advanced Black and White Photography ; or PHTO 150 - Introduction to Commercial Photography ; or any 179, 189, or 199 as related to black and white photo process only.
Limitations on Enrollment: Students may not be concurrently enrolled in PHTO 380 and PHTO 381
Open entry laboratory class designed to provide students with the opportunity to refine and expand techniques learned in the corequisite class. (Fall, Spring) (Pass/No Pass)

PHTO 381 Black And White Photo Lab 2
1.0 unit
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: N/A
Corequisite: PHTO 110 - Basic Photography ; or PHTO 120 - Materials and Processes ; or PHTO 130 - Advanced Black and White Photography ; or PHTO 150 - Introduction to Commercial Photography ; or any 179, 189, or 199 as related to black and white photo process only.
Limitations on Enrollment: Students may not be concurrently enrolled in PHTO 380 and PHTO 381.
Open entry laboratory class designed to provide students with the opportunity to refine and expand techniques learned in corequisite class. Students may not be concurrently enrolled in PHTO 380 and 381. Corequisites: PHTO 110 or 120 or 130 or 150 or any 179, 189 or 199 as related to black and white photo process only. (Fall, Spring) (Pass/No Pass)

PHTO 382 Color Photo Lab 1
0.5 units
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: N/A
Corequisite: PHTO 140 - Introduction to Color Photography ; or any 179, 189 or 199, as related to color photo process only.
Limitations on Enrollment: Students may not be concurrently enrolled in PHTO 382 and PHTO 383
Open entry laboratory class designed to provide students with the opportunity to refine and expand techniques learned in corequisite class. (Pass/No Pass)

PHTO 383 Color Photo Lab 2
1.0 unit
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: N/A
Corequisite: PHTO 140 - Introduction to Color Photography ; or any 179, 189 or 199 as related to color photo processes only.
Limitations on Enrollment: Students may not be concurrently enrolled in PHTO 382 and PHTO 383
Open entry laboratory class designed to provide students with the opportunity to refine and expand techniques learned in corequisite class. Students may not be concurrently enrolled in PHTO 382 and PHTO 383. Corequisite: PHTO 140 or any 179, 189 or 199 as related to color photo processes only (Fall, Spring) (Pass/No Pass)

PHTO 384 Digital Photo Lab 1
0.5 units
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: N/A
Corequisite: PHTO 170 - Digital Photography ; or PHTO 150 - Introduction to Commercial Photography ; or PHTO 151 - Portrait Photography ; or any 179, 189, or 199 as related to digital photo processes only.
Open entry laboratory class designed to provide students with the opportunity to refine and expand techniques learned in corequisite class. (Pass/No Pass)

PHTO 385 Digital Photo Lab 2
1.0 unit
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: N/A
Corequisite: PHTO 170 - Digital Photography ; or PHTO 150 - Introduction to Commercial Photography ; or PHTO 151 - Portrait Photography ; or any 179, 189, or 199 as related to digital photo process only.
Limitations on Enrollment: Students may not be concurrently enrolled in PHTO 384 and PHTO 385
Open entry laboratory class designed to provide students with the opportunity to refine and expand techniques learned in corequisite class. (Pass/No Pass)

PHTO 7200 Digital Photos and the Computer
8.0 - 12.0 hours
Acceptable for credit: N - Noncredit
Unsure of how and where to store your digital photos? This course is a brief introduction to how to upload, manage, and store digital photos on a computer. Students are required to bring to class a digital camera or cellphone and accompanying USB cable for their specific model camera and/or a card reader. (Noncredit)

PHTO 7205 Photography for Online Sales
8.0 hours
Acceptable for credit: N - Noncredit
Repeatable: 99.00

A photography course designed to introduce students to small product photography techniques useful for posting advertisements on eBay, Craigslist, or other online sites. Topics to be covered are camera settings, using a tripod, basic lighting techniques, selecting backgrounds, subject placement, and editing and prepping images for posting online. (Noncredit)

PHTO 7206 Food Photography
8.0 hours
Acceptable for credit: N - Noncredit
A photography course designed to introduce students to the basic approach for photographing food. Topics include using natural light for photography of food, controlling focus, photography equipment and supplies used in food photography, and useful software. Students are required to have access to a digital camera or cellphone that has controls to manipulate exposure, shutter speed, ISO and focus, as well as the ability to download images to a classroom computer (Noncredit)

Physics

PHYS 100 Concepts In Physics
3.0 units
Acceptable for credit: Transfer to UC, CSU
Advisories: MATH 311 - Algebra 1 ; ENGL 101 - Freshman Composition: Exposition ; or ENGL 514 - Writing Skills 4
An overview of the major areas of physics. Emphasis is on concepts, applications, and the consequences for modern life. An historical perspective on the development of physical theory and its impact on civilization is explored. (Fall, Spring) (Letter Grade or Pass/No Pass)

PHYS 110 Introductory Physics
3.0 units
Acceptable for credit: Transfer to UC, CSU
Prerequisite: MATH 121 - Trigonometry ; or MATH 141 - Precalculus
An introduction to physics with emphasis on units, vectors and the definitions of physical variables. Tools and strategies necessary to be successful in PHYS 161 are covered. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

PHYS 141 General Physics 1
4.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: PHYS 105
Prerequisite: MATH 141 - Precalculus ; or completion of or concurrent enrollment in MATH 121
The initial semester of a two-semester introduction to trigonometry-based physics. Emphasizes the origin, nature, and application of fundamental concepts and principles. Required for most life-science and engineering-technology majors. Discusses motion, mechanics of particles and systems of particles, rigid, elastic and fluid systems, vibrations, wave motion, and sound. (Fall) (Letter Grade or Pass/No Pass)

PHYS 142 General Physics 2
4.0 units
Acceptable for credit: *Transfer to CSU, limited to UC/see counselor
C-ID Course Number: PHYS 110
Prerequisite: PHYS 141 - General Physics 1
A continuation of PHYS 141. Discusses heat, thermodynamics, electricity, magnetism, geometric and physical optics, atomic and nuclear physics. (Spring) (Letter Grade or Pass/No Pass)

PHYS 161 Engineering Physics 1
4.0 units
Acceptable for credit: *Transfer to CSU, limited to UC/see counselor
C-ID Course Number: PHYS 205
Prerequisite: PHYS 110 - Introductory Physics ; and MATH 182 - Calculus 2 which may be taken concurrently
The initial semester of a three-semester course in calculus-based physics which emphasizes the origin, nature and application of fundamental concepts and principles. Required for most baccalaureate majors in the physical sciences, engineering and mathematics. Emphasizes mechanics, including measurement, linear and planar motion, statics and dynamics of particles and systems of particles, rigid, elastic and fluid systems. (Fall, Spring) (Letter Grade or Pass/No Pass)

PHYS 162 Engineering Physics 2
4.0 units
Acceptable for credit: *Transfer to CSU, limited to UC/see counselor
C-ID Course Number: PHYS 215
Prerequisite: PHYS 161 - Engineering Physics 1 ; and MATH 182 - Calculus 2
A continuation of PHYS 161 which discusses temperature, heat, thermodynamics, simple harmonic and wave motion, sound, geometric and physical behavior of light, as well as topics in modern physics, which may include the special theory of relativity, and the quantum theory of atomic and nuclear systems. (Spring) (Letter Grade or Pass/No Pass)

PHYS 163 Engineering Physics 3
4.0 units
Acceptable for credit: *Transfer to CSU, limited to UC/see counselor
C-ID Course Number: PHYS 210
Advisories: Completion of, or concurrent enrollment in MATH 183
Prerequisite: PHYS 161 - Engineering Physics 1 ; and MATH 182 - Calculus 2
A continuation of PHYS 161 which discusses electrostatic forces, fields and potentials, steady electric currents and circuits, magnetic forces and fields, induced electric and magnetic fields, electric and magnetic properties of continuous media, reactive circuits, and electromagnetic waves. (Fall) (Letter Grade or Pass/No Pass)

PHYS 171 Computational Techniques for Physics I: Mechanics
1.0 unit
Acceptable for credit: Transfer CSU
Corequisite: PHYS 161 - Engineering Physics 1
Prerequisite: PHYS 161 - Engineering Physics 1

Introduction to computational methods in physics applied to the solution of classical mechanics problems. Simulation and Visualization of elementary mechanical systems. Supports and complements material taught in PHYS 161. (Fall, Spring) (Letter Grade or Pass/No Pass)

PHYS 172 Computational Techniques for Physics II: Modern Physics

1.0 unit
Acceptable for credit: Transfer CSU
Corequisite: PHYS 162 - Engineering Physics 2
Prerequisite: PHYS 162 - Engineering Physics 2
Application of computational and data analysis methods to the solution of problems associated with oscillations, statistical mechanics, thermal physics, quantum physics. Simulation and Visualization of relevant physical systems. Complements material taught in PHYS 162. (Fall, Spring) (Letter Grade or Pass/No Pass)

PHYS 173 Computational Techniques for Physics III: Electricity and Magnetism

1.1 units
Acceptable for credit: Transfer CSU
Corequisite: PHYS 163 - Engineering Physics 3
Prerequisite: PHYS 163 - Engineering Physics 3
Computational techniques applied to the solution of problems relating to electric and magnetic fields and phenomena. Simulation and Visualization of electrodynamic systems. Complements material taught in PHYS 163. (Fall, Spring) (Letter Grade or Pass/No Pass)

PHYS 189 Independent Projects

0.0 units
Acceptable for credit: Transfer CSU
Courses for students capable of independent work who demonstrate the need or desire for additional study beyond the regular curriculum. Enrollment allows students to pursue activities such as directed field experience, research, or development of skills and competencies under faculty advisement and supervision. Independent projects may be earned in most disciplines. Students wishing to enroll in Independent Projects should contact the appropriate instructor identified in the class schedule. If the project proposed is acceptable to that instructor, a contract will be developed. All contracts for these classes must be completed and submitted to the Records Office no later than the end of the second week of the semester. Students may enroll for any combination (unit value) of Independent Projects 189 and/or 389 for a total of four semesters in a specific discipline. Units are awarded depending upon satisfactory performance and the amount of time committed by the student to the course. Allowable units vary according to discipline, and are based on the following formula: 1 unit - 48 hours per semester 2 units - 96 hours per semester 3 units - 144 hours per semester (Letter Grade Only)

Paralegal

PLGL 101 Intro to Paralegal Studies

3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Acquire the basic knowledge needed to begin your career as a paralegal. This course provides an in-depth overview of the legal system with special emphasis on the duties and responsibilities of a paralegal. (Letter Grade Only)

PLGL 102 Criminal Law and Procedure

3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Introduction to criminal law and procedure for the paralegal. This course includes crimes against persons, habitation, property, order, justice, and morals. Defenses to criminal activity, search and seizure, confessions, pretrial, trial, and sentencing are also covered (Letter Grade Only)

PLGL 103 Civil Litigation

3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Introduction to civil litigation for the paralegal. This course is a survey of litigation, from the initial client interview to post-trial appeals. Complaint drafting, filing, service motions, answers, and discovery are covered. Settlement and trial are also included. (Letter Grade Only)

PLGL 104 Legal Research and Writing

3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
This course covers the sources and methods of legal research as related to cases, statutes, and secondary materials. Students will engage in objective legal writing based upon their research. (Letter Grade Only)

PLGL 105 Legal Analysis and Writing

3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Designed to expose paralegal students to written advocacy and discovery requests. Emphasizes persuasive writing techniques, writing for a purpose, and discovery mechanics. Students will complete substantial writing assignments. (Letter Grade Only)

PLGL 106 Case Management

3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
This course is designed to help students develop the conceptual and technical skills necessary to manage cases in a law office environment. The course includes interaction with case management software, databases, and word processing. (Letter Grade Only)

PLGL 107 Ethics for Paralegals

1.0 unit
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A

Ethics are the standards that regulate the integrity of the legal profession. This course will improve your understanding of how paralegals are affected by ethical issues. (Letter Grade Only)

PLGL 108 Wills and Trusts
3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
This course introduces the law governing wills, trusts, and estate planning. It emphasizes practical applications for paralegals and exposes students to forms and procedures used in a law office. (Letter Grade Only)

PLGL 109 Family Law
3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
This course introduces the basic concepts of California Family Law and emphasizes the development of practical drafting skills used by paralegals. The course examines terminology, procedures, and legal document preparation involved in family law matters. (Letter Grade Only)

PLGL 110 Intellectual Property Law
3.0 units
Acceptable for credit: Non-Transferable
C-ID Course Number: N/A
This course provides review of intellectual property law including patents, trademarks, and copyrights. Applied techniques for conducting patent searches, conducting research, and creating legal documents and forms will be emphasized. (Letter Grade Only)

PLGL 111 Tort Law for Paralegals
3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Advisories: PLGL 101 - Intro to Paralegal Studies
Under tort law, an injured party can bring a civil lawsuit to seek compensation for a wrong done to the party or to the party's property. This course provides an overview of tort law, tort remedies, and drafting of basic documents. (Letter Grade Only)

PLGL 112 Corporations, Partnership, LLC
3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
An entrepreneur must make a choice as to which type of business to form and operate. Corporations, partnerships, limited liability companies, and sole proprietorships are among the different types of business organizations. This course reviews the law regarding the formation and operation of various forms of business organizations. It provides guidance on drafting original documents to form a business. (Letter Grade Only)

Political Science

POLS 101 Introduction to Political Science
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: POLS 150
Advisories: Eligibility for ENGL 101
This is an introductory course examining a variety of approaches to the study of political science with particular emphasis on the American political system in comparative perspective. Topics discussed include nature of politics, comparative politics, selected political philosophers, principles of government, methods used by political scientists, and American government. This course satisfies part of the history and government requirements for the California State Colleges and Universities and Allan Hancock College. Students receiving credit must demonstrate satisfactory knowledge about national and state government. (Fall, Spring) (Letter Grade or Pass/No Pass)

POLS 103 American Government
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: POLS 110
Advisories: Eligibility for ENG 101
A study of American government at the national, state, and local levels. Governmental principles, institutions, and their historical development are examined. This course satisfies part of the history and government requirements for the California State Colleges and Universities, University of California, Allan Hancock College, and many private colleges. (F,S) (Fall, Spring) (Letter Grade or Pass/No Pass)

POLS 104 Introduction to International Relations
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: POLS 140
Advisories: ENGL 101 - Freshman Composition: Exposition ; and POLS 103 - American Government
A study of the forces and conditions involved in the actions, interactions and relations of nations and organizations within the international system. Emphasis is placed on the tools of analysis for understanding and predicting behavior on the international stage. (Fall, Spring) (Letter Grade or Pass/No Pass)

POLS 105 Comparative Politics
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: POLS 130
Advisories: ENGL 101 - Freshman Composition: Exposition ; and POLS 103 - American Government
This course is an introduction to the comparative analysis of contemporary governmental institutions, political processes and their environments. The survey includes current political institutions, citizen participation, political problems, politics, and policies within these systems. (Fall, Spring) (Letter Grade or Pass/No Pass)

POLS 106 California Government and Politics
1.0 unit
Acceptable for credit: Transfer CSU
Advisories: ENGL 514 - Writing Skills 4
Introduction to the structure and function of California state government. Satisfies California state and local government

requirement for students who have taken Federal, State, and Local Government without a California component or who receive Advanced Placement credit for American Government. (Spring) (Letter Grade or Pass/No Pass)

POLS 110 Political Theory
3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: POLS 120
Introduction to political theory. Focuses on concepts like: authority, liberty, equality, law, justice, community, rights, citizenship, property, class conflict, and constitutionalism. Readings from major thinkers, such as Plato, Aristotle, Augustine, Aquinas, Machiavelli, Locke, Hobbes, Rousseau, Marx, Nietzsche, Rawls, and others. (Fall, Spring) (Letter Grade or Pass/No Pass)

POLS 189 Independent Projects-Honors
2.0 units
Acceptable for credit: Transfer CSU
Prerequisite: program application
Honors courses designed to be an enriching experience associated with a specific general education course. The course material will either be a more in depth coverage of the material in the GE course, or will be more advanced material related to the course topics. (Letter Grade or Pass/No Pass)

POLS 199A Special Topics in Political Science
1.0 unit
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: N/A
Advisories: ENGL 514 - Writing Skills 4 or eligibility for ENGL 101
This course will examine the campaigns, issues, electoral process and candidates for the United States Presidential election. (Letter Grade or Pass/No Pass)

Professional Development

PROD 301 Introduction to Life and Career Planning
3.0 units
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: N/A
Introduces students to a decision-making process that will help them envision and plan for a future career that is productive, achievable, and stimulating. This course culminates with the development of a 10 year career/education plan used for advisory and academic purposes. This personalized 10-year plan provides students with the focus and intrinsic motivation to succeed in high school, college, at work, and in life. (Fall, Spring) (Pass/No Pass)

Psychology

PSY 101 General Psychology
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: PSY 110
Advisories: ENGL 101 - Freshman Composition: Exposition
An Introduction to the concepts, methods, and techniques of psychology. Topics may include: critical thinking, nervous system, perception, learning, motivation, emotion, stress, prejudice, human interactions and social influences, psychological disorders and therapy. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

PSY 105 Research Methods in Psychology
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: PSY 200
Advisories: ENGL 101 - Freshman Composition: Exposition
Prerequisite: MATH 123 - Elementary Statistics ; and PSY 101 - General Psychology
This psychology based research methods class will cover the scientific method and various research approaches. Topics covered consist of sampling procedures, descriptive research including observational and correlational studies, experimental research including single and multi-factorial designs, quantitative and qualitative research methods, and ethics in psychological research. Students will apply APA methodology, read, evaluate and interpret research papers, and relate the scientific method to real world situations. (Fall, Spring) (Letter Grade Only)

PSY 106 Alcohol, Other Drugs, and Addiction
3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: NA
An overview of the role of alcohol and other drugs in society with emphasis on such topics as patterns of use, major categories of drugs, use/misuse/addiction, and approaches to prevention, intervention, and treatment. This course is not open to students who are enrolled in or have received credit for SOC 106 or HUSV 110. (Fall, Spring) (Letter Grade Only)

PSY 112 Human Sexuality
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: PSY 130
Advisories: ENGL 101 - Freshman Composition: Exposition ; and PSY 101 - General Psychology
This course is an introductory overview of the human sexual condition from the perspective of the diverse cultures, sociological and psychological aspects within the United States as well as other countries/cultures. Students will be encouraged to become aware of their own sexual values, attitudes and related behaviors as well as being tolerant of sexual expression/orientation different from their own experience. This course will emphasize social patterns of sexual behavior, sexuality lifespan, sexual norms and abnormalities as well as historical and current sexual problems. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

PSY 113 Theories Of Personality
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: NA
This course covers major contemporary personality theories, compares and contrasts diverse personality perspectives, and applies the theoretical principles to personality, psychological

health, and psychological growth. (Fall, Spring, Summer) (Letter Grade Only)

PSY 117 Child Psychology

3.0 units

Acceptable for credit: Transfer to UC, CSU
Advisories: ENGL 101 - Freshman Composition: Exposition ; and PSY 101 - General Psychology
Examines the multicultural four-stage development of the child from conception through adolescence: first two years, early childhood, middle childhood, and adolescence. Each stage is approached from the biosocial development, cognitive development, and psychosocial development perspectives. This course includes various psychological theories fundamental to the child's development. Other topics include but are not limited to: the impact of nature versus nurture, the impact of different parenting styles, types of attachments as well as issues related to prenatal development and birth. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

PSY 118 Human Development - Lifespan

3.0 units

Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: PSY 180
Advisories: ENGL 101 - Freshman Composition: Exposition ; and PSY 101 - General Psychology
A balanced study of basic theories, research, and principles of physical, cognitive, and psychosocial development from conception to death is presented in an integrated manner; includes behavior, sexuality, nutrition, health, stress, environmental relationships, and implications of death and dying. (Fall, Spring) (Letter Grade or Pass/No Pass)

PSY 119 Abnormal Psychology

3.0 units

Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: PSY 120
Advisories: ENGL 101 - Freshman Composition: Exposition ; READ 110 - Introduction to Critical Reading ; and PSY 101 - General Psychology
This course introduces students to the scientific study of broadly defined psychopathology and atypical or abnormal behaviors. Students will be required to investigate these abnormal behaviors from a variety of perspectives including biological, psychological, and sociocultural approaches. Theory and research in abnormal behavior, as well as intervention and prevention strategies for psychological disorders are also introduced. (Fall, Spring) (Letter Grade or Pass/No Pass)

PSY 121 Social Psychology

3.0 units

Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: PSY 170
Prerequisite: PSY 101 - General Psychology ; and ENGL 101 - Freshman Composition: Exposition
An examination of how human behavior, attitudes, emotions, and thoughts are affected by the social situation. Topics include self-concept, intimate relationships, prejudice, obedience to authority, social influence, group-decision making, and multicultural relations. The use of social psychology in understanding diversity, sexism, and international conflicts is discussed. This course meets the Social Science GE requirement. (Fall, Spring) (Letter Grade Only)

PSY 122 States of Consciousness

3.0 units

Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
An exploration of different states of consciousness, the means of attaining those states, their uses, misuses, and consequences. Topics include theories of consciousness, neural correlates of conscious experience, substance use disorders, sleep, dreams, hypnosis, dissociation and dissociation disorders, out-of-body states, near-death experiences, paranormal phenomena, meditation, non-Western methods of altering consciousness, and peak experiences. This course is not open to students who are enrolled in or who have received credit for HUSV 122 or ANTH 122. (Fall, Spring) (Letter Grade or Pass/No Pass)

PSY 127 Emotional Intelligence

3.0 units

Acceptable for credit: Transfer CSU
C-ID Course Number: NA
An introduction to Emotional Intelligence - a set of abilities and skills concerned with perceiving and managing emotional states in oneself and others. The neurobiology of emotions, how emotional states "hijack" people's behavior, and the application of emotional intelligence in a variety of personal and interpersonal situations are emphasized. This course is not open to students who are enrolled in or who have received credit for HUSV 127. (Fall, Spring) (Letter Grade or Pass/No Pass)

PSY 128 Positive Psychology

3.0 units

Acceptable for credit: Transfer CSU
C-ID Course Number: NA
An introduction to the psychological study of the positive, adaptive, creative, and emotionally fulfilling elements of human behavior and the factors that contribute to people being happy, productive, and well adjusted. This course is not open to students who are enrolled in or who have received credit for HUSV 128. (Fall, Spring) (Letter Grade or Pass/No Pass)

PSY 132 Drugs, the Brain and the Body

3.0 units

Acceptable for credit: Transfer CSU
C-ID Course Number: NA
Advisories: HUSV 110 - Alcohol, Other Drugs, and Addiction ; or SOC 106 - Alcohol, Other Drugs, and Addiction ; or PSY 106 - Alcohol, Other Drugs, and Addiction
Provides an overview of the pharmacology of drugs in substance use disorders with emphasis on drug effects, how drug effects occur, how the body processes drugs, and health consequences of drug use and addiction. Physiologic aspects of addiction and tolerance are explored. Pharmacologic interventions are integrated with other substance use disorder treatment modalities. This course is not open to students who are enrolled in or have received credit for HUSV 132. (Fall, Spring) (Letter Grade Only)

PSY 142 Co-Occurring Disorders Engagement
3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: NA
Concepts, definitions, and features of co-occurring mental health and substance use disorders emphasizing attainment of empathic engagement with persons who have these disorders. This course is not open to students who are enrolled in or who have received credit for HUSV 142. (Fall, Spring) (Letter Grade or Pass/No Pass)

PSY 143 Co-Occurring Disorders: Integrated Interventions
3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: NA
Advisories: HUSV 142 - Co-Occurring Disorders: Engagement ; or PSY 142 - Co-Occurring Disorders Engagement
A study of the intervention to benefit persons who have both psychiatric problems and alcohol or other drug use problems. This course is not open to students who are enrolled in or who have received credit for HUSV 143. (Fall, Spring) (Letter Grade or Pass/No Pass)

PSY 189 Independent Project in Psychology
1.0 - 3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: NA
Courses for students capable of independent work who demonstrate the need or desire for additional study beyond the regular curriculum. Enrollment allows students to pursue activities such as directed field experience, research, or development of skills and competencies under faculty advisement and supervision. Independent projects may be earned in most disciplines. Students wishing to enroll in Independent Projects should contact the appropriate instructor identified in the class schedule. If the project proposed is acceptable to that instructor, a contract will be developed. All contracts for these classes must be completed and submitted to the Records Office no later than the end of the second week of the semester. Students may enroll for any combination (unit value) of Independent Projects 189 and/or 389 for a total of four semesters in a specific discipline. Units are awarded depending upon satisfactory performance and the amount of time committed by the student to the course. Allowable units vary according to discipline, and are based on the following formula: 1 unit - 48 hours per semester 2 units - 96 hours per semester 3 units - 144 hours per semester (Fall, Spring) (Letter Grade Only)

Real Estate

RE 100 Real Estate Principles
3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Advisories: Eligibility for ENGL 101
Basic laws and principles of California real estate and providing the background and terminology necessary for advanced study in specialized courses. Recommended for those preparing for the real estate salesperson license examination. (Letter Grade Only)

RE 302 Legal Aspects Of Real Estate
3.0 units
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: N/A
A study of California real estate law affecting property ownership and management; contract, real estate transfers, probate proceedings, trust deeds, and foreclosure, as well as recent legislation governing real estate transactions. Applies toward California educational requirements for broker’s examination. (Pass/No Pass)

RE 303 Real Estate Practices
3.0 units
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: N/A
A study of day-to-day operations in real estate sales and brokerage, including listing, prospecting, advertising, financing, sales techniques, escrow, and ethics. Applies towards California educational requirements for the broker's examination. (Fall, Spring) (Letter Grade or Pass/No Pass)

RE 305 Real Estate Appraisal
3.0 units
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: N/A
An introduction to the appraisal process and the different approaches, methods, and techniques used to determine the value of various types of property. Emphasis is on residential and single-unit properties. (Fall, Spring) (Letter Grade or Pass/No Pass)

RE 306 Property Management
3.0 units
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: N/A
A comprehensive introduction to the property management profession for those seeking to enter the field, those already in the management field, and real estate practitioners seeking to broaden their education beyond listing and selling. (Fall, Spring) (Letter Grade or Pass/No Pass)

Reading

READ 110 Introduction to Critical Reading
3.0 units
Acceptable for credit: Transfer CSU
Advisories: READ 310 - Reading Skills and Strategies or ENGL 312 or ESL 310; or ENGL 513 - Writing Skills 3
Reading 110 is designed to equip students with effective reading skills for success in college courses. The emphasis is on improving reading comprehension and developing effective text analysis. Students learn to engage successfully a variety of texts to suit different reading purposes; to develop literal, inferential, and critical comprehension skills; and to analyze, synthesize, and evaluate texts from diverse sources. By practicing critical reading, students will also improve their writing skills. This class serves as a prerequisite for English 101. Lecture: 3 hours per week. Lab: 1 hour per week. This course is not open to students who are enrolled in or have received credit for ENGL 113 or ESL 110. (Fall, Spring) (Letter Grade or Pass/No Pass)

READ 310 Reading Skills and Strategies
3.0 units
Acceptable for credit: C - Credit - Not Degree Applicable
Reading 310 uses fiction and nonfiction texts to develop reading skills and strategies. The emphasis is on improving reading comprehension and efficiency and helping students become critical readers. This course is not open to students who are enrolled in or have received credit for ENGL 312 or ESL 310. (Fall, Spring) (Pass/No Pass)

READ 510 Improving Reading Comprehension
4.0 units
Acceptable for credit: C - Credit - Not Degree Applicable
Designed to introduce students to reading skills necessary for success in college. Emphasis is on improving reading comprehension and developing vocabulary. This course is not open to students who are enrolled in or have received credit for ENGL 510 or ESL 510. (Fall, Spring) (Pass/No Pass)

Recreation

REC 101 Intro to Recreation Management
3.0 units
Acceptable for credit: Transfer CSU
An introduction to the principles of program management in recreation services in the areas of public and private domains, park, military and institutional settings as well as services to special populations. (Fall, Spring) (Letter Grade or Pass/No Pass)

REC 103 Leadership in Recreation Services
3.0 units
Acceptable for credit: Transfer CSU
An examination of the theories of leadership, leadership behaviors, principles and procedures of leadership and supervisory responsibilities as applied by the recreation leader. Techniques for working with small groups, large groups, and diverse populations. (Fall, Spring) (Letter Grade or Pass/No Pass)

REC 105 Program Planning for Recreation
3.0 units
Acceptable for credit: Transfer CSU
An exploration of recreational program planning including organization, implementation, and evaluation in both public and private settings. The interrelationship of needs and interests of people, physical settings, and activity content are covered. (Fall, Spring) (Letter Grade or Pass/No Pass)

REC 107 Recreational Sports Programming
3.0 units
Acceptable for credit: Transfer CSU
An examination of the theories and practices of programming sports activities in a variety of recreational settings. Both individual and team sports will be studied. Emphasis will be placed on the planning of activities such as leagues, instructional programs, tournaments, and sports festivals. The class will study the development and operation of sports venues. Students will gain experience by planning actual events. (Fall, Spring) (Letter Grade or Pass/No Pass)

REC 109 Outdoor and Adventure Recreation
3.0 units
Acceptable for credit: Transfer CSU
An introduction to recreation activities offered in outdoor and adventure settings. Analysis of current practices and the agencies offering these activities. Examination of a variety of outdoor and adventure recreation resources and the ways to use the resources with minimal impact. Course will assist Recreation Management Majors in determining their area of emphasis when transferring. (Fall, Spring) (Letter Grade or Pass/No Pass)

Sociology

SOC 101 Introduction to Sociology
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: SOC 110
A survey course in the science of society, which examines major sociological, processes and structures with particular attention to American society. Emphases are placed upon basic sociological concepts, social institutions, social issues, and the connections between individual consciousness and the broader socio-historical context. (Fall, Spring) (Letter Grade or Pass/No Pass)

SOC 102 Social Problems
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: SOC 115
A survey and analysis of ethnic groups and their relations in the United States including the stratification systems, prejudice and discrimination. (Fall, Spring) (Letter Grade or Pass/No Pass)

SOC 104 Social Science Research Methods
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: SOC 120
Prerequisite: SOC 101 - Introduction to Sociology
An introduction to sociological/psychological research methods. Presents the research process from topic selection through data collection for a variety of methods such as surveys, experiments, in-depth interviews, content analysis and comparative/historical research. This course is not open to students who are enrolled in or have received credit for Psychology 104. (Fall, Spring) (Letter Grade or Pass/No Pass)

SOC 106 Alcohol, Other Drugs, and Addiction
3.0 units
Acceptable for credit: Transfer CSU
An overview of the role of alcohol and other drugs in society with emphasis on such topics as patterns of use, major categories of drugs, use/misuse/addiction, and approaches to prevention, intervention, and treatment. This course is not open to students who are enrolled in or have received credit for SOC 106 or PSY 106. (Fall, Spring) (Letter Grade Only)

SOC 110 Introduction to Marriage and Family
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: SOC 130

A study of today's family from a sociological perspective. An overview of intimate relationships, including love, sex, gender roles, dating, forming partnerships, marriage, parenting, family values, and cultural differences is presented. (Fall, Spring) (Letter Grade or Pass/No Pass)

SOC 120 Race and Ethnic Relations
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: SOC 150
A survey and analysis of ethnic groups and their relations in the United States including the stratification systems, prejudice, and discrimination. This course is not open to students who are enrolled in or have received credit for ES 101. (Fall, Spring) (Letter Grade or Pass/No Pass)

SOC 122 Sociology of the Hispanic Culture
3.0 units
Acceptable for credit: Transfer to UC, CSU
A sociological exploration of the Hispanic culture which includes their educational, political and economic status. Emphasis will be on immigration patterns, culture, images, cultural values, social images, assimilation patterns and pluralism. Hispanic groups to be studied will include Mexican Americans, Puerto Rican Americans, Cuban Americans.(F,S) (Fall, Spring) (Letter Grade or Pass/No Pass)

SOC 155 Media and Society
3.0 units
Acceptable for credit: Transfer to UC, CSU
An exploration of the complex interaction between the mass media and individuals, culture and other social institutions. While focused on the United States, the issue of an increasingly globalized mass media and the emergence of global culture is also addressed. Topics include the effects of mass media on pubic opinion and popular culture; the various racial, ethnic and gender stereotypes in the mass media; the ways in which politics affects and is affected by mass communication; the consequences of privately owned media; the major changes in technologies; and the emergence and growth of a “global culture” based on media technology and organizations. (Spring) (Letter Grade or Pass/No Pass)

SOC 160 Cities and Urban Life
3.0 units
Acceptable for credit: Transfer to UC, CSU
This course is an introduction to the multi-disciplinary field of urban studies. Taking advantage of the contributions made by disciplines such as history, sociology, economics, psychology, political science, architecture and planning, the course explores the following topics: The origin of cities; the physical, social and cultural characteristics of cities and metropolises; the complexity, richness and challenges of everyday life in urban society; the social problems that plague urban America; and the various strategies being used to solve urban problems and enhance the metropolitan experience. The focus of the course is primarily (although not exclusively) the United States, and special attention is given to issues of class, race and gender. (Fall, Spring) (Letter Grade or Pass/No Pass)

Spanish

SPAN 101 Elementary Spanish I
5.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: SPAN 100
This course is designed for non-native Spanish speakers and therefore ideal for students with minimal or no exposure to Spanish. SPAN 101 offers an introduction to the Spanish language, presenting students with introductory vocabulary and grammar, reading and writing skills as well as oral and listening skills (including pronunciation). This course also includes an introduction to cultural aspects of the Spanish-speaking world. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

SPAN 102 Elementary Spanish II
5.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: SPAN 110
Prerequisite: SPAN 101 - Elementary Spanish I ; or 2 years of High School Spanish
This course is a continuation to SPAN 101. Students work on further vocabulary and grammar skills, pronunciation, oral and listening skills, reading skills, and writing skills. This course also includes cultural aspects of the Spanish-speaking world not covered in SPAN 101 and/or expands on cultural aspects presented in SPAN 101. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

SPAN 103 Intermediate Spanish I
5.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: SPAN 200
Advisories: ENGL 514 - Writing Skills 4
Prerequisite: SPAN 102 - Elementary Spanish II ; or 3 years of high school Spanish
SPAN 103 is designed for intermediate Spanish speakers, entirely taught in Spanish, and therefore ideal for Heritage Speakers, and/or native Spanish-speakers wishing to improve reading and writing literacy. SPAN 103 covers vocabulary and grammar with an emphasis on listening/oral, reading, and writing skills at the intermediate level. This course also includes cultural components of the Spanish-speaking world. (Fall) (Letter Grade or Pass/No Pass)

SPAN 104 Intermediate Spanish II
5.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: SPAN 210
Advisories: ENGL 514 - Writing Skills 4
Prerequisite: SPAN 103 - Intermediate Spanish I ; or 4 years of high school Spanish
This course is designed for intermediate Spanish speakers, entirely taught in Spanish, and therefore ideal for Heritage Speakers, and/or native Spanish-speakers wishing to improve reading and writing literacy. SPAN 104 is a continuation of SPAN 103. It covers vocabulary and grammar with an emphasis on listening/oral, reading, and writing skills at the intermediate level. This

course also includes cultural components of the Spanish-speaking world. (Spring) (Letter Grade or Pass/No Pass)

SPAN 105 Advanced Composition and Grammar
5.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: N/A
Corequisite: SPAN 104 - Intermediate Spanish II
Prerequisite: SPAN 103 - Intermediate Spanish I ; or SPAN 104 - Intermediate Spanish II
SPAN 105 is designed for advanced Spanish speakers, entirely taught in Spanish, and ideal for Heritage Speakers, and/or native Spanish-speakers wishing to improve their reading and writing literacy at the advanced level. This course emphasizes writing skills at the advanced level, covering the most common types of essay styles (descriptive, narrative, argumentative, academic), and focusing on the writing process as a communicative process. Students will review Spanish grammar, essay structure, and improve on formal vocabulary selection via reading and writing exercises. The oral production component is also evaluated. Also included are cultural and literary components of the Spanish-speaking world. (Spring) (Letter Grade or Pass/No Pass)

SPAN 111 Intermediate Spanish Conversation
2.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: N/A
Prerequisite: SPAN 102 - Elementary Spanish II ; or 3 years of High School Spanish
This course is designed to practice vocabulary and grammar covered in SPAN 102 with an emphasis in pronunciation, oral, and listening skills. Reading and writing skills are covered as well. Using a communicative style, students practice Spanish grammar, sentence structure, vocabulary, and oral skills. This course also includes cultural aspects of the Spanish-speaking world. This conversation course, taught entirely in Spanish, is designed for students who have completed SPAN 102. (Fall) (Letter Grade or Pass/No Pass)

SPAN 112 Advanced Spanish Conversation
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: N/A
Prerequisite: SPAN 111 - Intermediate Spanish Conversation ; or SPAN 103 - Intermediate Spanish I ; or SPAN 104 - Intermediate Spanish II
This course is designed to practice vocabulary and grammar covered in SPAN 103 and SPAN 104, with emphasis in oral and listening skills at the advanced level. Reading and writing skills are covered as well. Spanish-language films are used as springboards for conversation of various themes, topics, and cultural experiences. Using a communicative style, students practice Spanish grammar, vocabulary, and oral skills. This conversation course is designed for advanced Spanish speakers, as well as Heritage speakers who wish to improve their oral skills. (Spring) (Letter Grade or Pass/No Pass)

SPAN 189 Independent Projects in Spanish
1.0 - 3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Courses for students capable of independent work who demonstrate the need or desire for additional study beyond the regular curriculum. Enrollment allows students to pursue activities such as directed field experience, research, or development of skills and competencies under faculty advisement and supervision. Independent projects may be earned in most disciplines. Students wishing to enroll in Independent Projects should contact the appropriate instructor identified in the class schedule. If the project proposed is acceptable to that instructor, a contract will be developed. All contracts for these classes must be completed and submitted to the Records Office no later than the end of the second week of the semester. Students may enroll for any combination (unit value) of Independent Projects 189 and/or 389 for a total of four semesters in a specific discipline. Units are awarded depending upon satisfactory performance and the amount of time committed by the student to the course. Allowable units vary according to discipline, and are based on the following formula: 1 unit - 48 hours per semester 2 units - 96 hours per semester 3 units - 144 hours per semester (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

Science, Technology, Engineering, And Math

STEM 100 Success Strategies in Science, Technology, Engineering and Mathematics (STEM)
1.0 unit
Acceptable for credit: Transfer CSU
Intended for students pursuing majors in a STEM discipline. Introduces students to related career choices, academic planning, and college resources. Develops appropriate skills necessary for academic success in a STEM major. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

Theatre

THEA 101 Applied Professional Acting I
10.0 units
Acceptable for credit: Transfer to UC, CSU
Advisories: Eligibility for ENGL 100 or ENGL 101
Limitations on Enrollment: Completion of the program application and procedures for enrollment
This course is the required prerequisite to all sophomore theatre arts courses. In a series of lectures, demonstrations, activities, assigned readings, and laboratory projects, the student examines the theatrical synthesis by exploring the elements of the actor's instrument and process from the specific standpoint of the professional actor. Team-taught by the drama faculty, staff, and resident and guest artists, the student examines the aesthetics and theory of the drama, the nature of dramatic action, and the arts and crafts vital for communication with an audience. The class explores the interpretation of drama through the art of the actor, with exercises and laboratory projects designed to develop the actor's vocal, physical, emotional, creative, and intellectual capacities. This course is the equivalent of three units of basic acting, two units movement, two units of voice and speech, two

units of dramatic theory, and one unit of singing techniques. This course is not open to students who have received credit for DRMA 101. (Fall) (Letter Grade Only)

THEA 102 Applied Professional Acting 2

10.0 units

Acceptable for credit: Transfer to UC, CSU
Limitations on Enrollment: Completion of the program application and procedures for enrollment
Prerequisite: THEA 101 - Applied Professional Acting I
A continuation of THEA 101, with emphasis on individual development. This course is not open to students who have received credit for DRMA 102. (Spring) (Letter Grade Only)

THEA 103 Beginning Professional Theatre Dance Styles

2.0 units

Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: N/A
Limitations on Enrollment: Completion of the program application and procedures for enrollment
An introduction to dance styles appropriate to professional classic musical theatre productions, emphasizing vocabulary acquisition and exercises which develop the body stretch and flexibility, strength and improve rhythmic and movement coordination. Limitation on enrollment: Completion of the program application and procedures for enrollment. This course is not open to students who have received credit for DRMA 401. (Fall) (Letter Grade Only)

THEA 104 Intermediate Professional Theatre Dance Styles

2.0 units

Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: N/A
Advisories: THEA 103 - Beginning Professional Theatre Dance Styles
Limitations on Enrollment: Completion of the program application and procedures for enrollment
A study at the intermediate level of dance styles appropriate to professional contemporary as well as classic musical theatre productions, emphasizing across the floor combinations and choreography acquisition through exposure to set dance pieces from a variety of classic contemporary productions. This course is not open to students who have received credit for DRMA 401. (Fall) (Letter Grade Only)

THEA 110 Beginning Production Laboratory

3.0 units

Acceptable for credit: Transfer to UC, CSU
Advisories: Eligibility for Math 311
Limitations on Enrollment: Completion of the program application and procedures for enrollment.
The exploration and development of a theatrical production at a beginning level in a lab environment. Students apply the necessary skills for the process of mounting a professional theatrical production. This course is not open to students who have received credit for DRMA 112. (Fall, Spring) (Letter Grade Only)

THEA 111 Intermediate Production Laboratory

3.0 units

Acceptable for credit: Transfer to UC, CSU
Advisories: THEA 110 - Beginning Production Laboratory and eligibility for MATH 311
Limitations on Enrollment: Completion of the program application and procedures for enrollment.
The exploration and development of a theatrical production at an intermediate level in a lab environment. Students apply the necessary skills for the process of mounting a professional theatrical production. This course is not open to students who have received credit for DRMA 112. (Fall, Spring) (Letter Grade Only)

THEA 112 Advanced Intermediate Production Laboratory

3.0 units

Acceptable for credit: Transfer to UC, CSU
Advisories: THEA 111 - Intermediate Production Laboratory and eligibility for Math 311
Limitations on Enrollment: Completion of the program application and procedures for enrollment.
The exploration and development of a theatrical production at an advanced-intermediate level in a lab environment. Students apply the necessary skills for the process of mounting a professional theatrical production. This course is not open to students who have received credit for DRMA 112. (Fall, Spring) (Letter Grade Only)

THEA 113 Advanced Production Laboratory

3.0 units

Acceptable for credit: Transfer to UC, CSU
Advisories: THEA 112 - Advanced Intermediate Production Laboratory and Eligibility for; MATH 311 - Algebra 1
The exploration and development of a theatrical production at an advanced level in a lab environment. Students apply the necessary skills for the process of mounting a professional theatrical production. This course is not open to students who have received credit for DRMA 112. (Fall, Spring) (Letter Grade Only)

THEA 114 Beginning Performance Laboratory

3.0 units

Acceptable for credit: Transfer to UC, CSU
Advisories: Eligibility for ENGL 100 or ENGL 101
Limitations on Enrollment: Completion of the program application and procedures for enrollment
In this intensive beginning level laboratory course, the student can apply and develop all of the skills utilized in dramatic performances. Students may spend class hours with the instructor dealing with different performance situations, working under pressure to meet unchanging deadlines, and engaging in actual performance experiences. Therefore, absence from a production laboratory meeting is allowed only with prior approval of the instructor. This course is not open to students who have received credit for DRMA 113. (Fall, Spring) (Letter Grade Only)

THEA 115 Intermediate Performance Laboratory

3.0 units

Acceptable for credit: Transfer to UC, CSU
Advisories: THEA 114 - Beginning Performance Laboratory and eligibility for ENGL 100 or ENGL 101

Limitations on Enrollment: Completion of the program application and procedures for enrollment.
In this intensive intermediate level laboratory course, the student can apply and develop all of the skills utilized in dramatic performances. Students may spend class hours with the instructor dealing with different performance situations, working under pressure to meet unchanging deadlines, and engaging in actual performance experiences. Therefore, absence from a production laboratory meeting is allowed only with prior approval of the instructor. This course is not open to students who have received credit for DRMA 113. (Letter Grade Only)

THEA 116 Advanced Intermediate Performance Laboratory

3.0 units

Acceptable for credit: Transfer to UC, CSU
Advisories: THEA 115 - Intermediate Performance Laboratory and eligibility for ENGL 100 or ENGL 101
Limitations on Enrollment: Completion of the program application and procedures for enrollment.
In this intensive advanced-intermediate level laboratory course, the student can apply and develop all of the skills utilized in dramatic performances. Students may spend class hours with the instructor dealing with different production situations, working under pressure to meet unchanging deadlines, and engaging in actual performance experiences. Therefore, absence from a production laboratory meeting is allowed only with prior approval of the instructor. This course is not open to students who have received credit for DRMA 113. (Letter Grade Only)

THEA 117 Advanced Performance Laboratory

3.0 units

Acceptable for credit: Transfer to UC, CSU
Advisories: THEA 116 - Advanced Intermediate Performance Laboratory and eligibility for ENGL 100 or ENGL 101
Limitations on Enrollment: Completion of the program application and procedures for enrollment.
In this intensive advanced-intermediate level laboratory course, the student can apply and develop all of the skills utilized in dramatic performances. Students may spend class hours with the instructor dealing with different performance situations, working under pressure to meet unchanging deadlines, and engaging in actual performance experiences. Therefore, absence from a production laboratory meeting is allowed only with prior approval of the instructor. This course is not open to students who have received credit for DRMA 113. (Fall, Spring) (Letter Grade Only)

THEA 120 Advanced Professional Acting 1

10.0 units

Acceptable for credit: Transfer to UC, CSU
Limitations on Enrollment: Completion of the program application and procedures for enrollment.
Prerequisite: THEA 101 - Applied Professional Acting I
Through a series of lectures, demonstrations, activities, assigned readings and laboratory projects, the student will further explore the theatrical synthesis from the specific standpoint of the professional actor. Practical application of basic acting skills in the major theatrical styles with specific emphasis on personal acting problems will be supplemented by more intensive classes in vocal skills (including voice production and projection, articulation, use of the International Phonetic Alphabet, Standard American Speech and various dialects) and movement techniques for the actor (including techniques of relaxation, body alignment and concentration of energy, mask techniques, combat techniques, as well as solutions to specific physical characterization challenges required of the actor by period styles and production concepts). Script analysis and advanced techniques for scoring a dramatic text will be covered. Audition techniques and business survival skills will also be covered. The class will be team taught by the drama faculty and staff in conjunction with resident and guest artists. This course is not open to students who have received credit for DRMA 120. (Letter Grade Only)

THEA 121 Adv. Professional Acting II

10.0 units

Acceptable for credit: Transfer to UC, CSU
Limitations on Enrollment: Completion of the program application and procedures for enrollment.
Prerequisite: THEA 120 - Advanced Professional Acting 1 ; or DRMA 120
A continuation of THEA 120 with specific emphasis on personal acting issues in rehearsal and performance. This course is not open to students who have received credit for DRMA 121. (Spring) (Letter Grade Only)

THEA 122 Advanced Intermediate Professional Theatre Dance Styles

2.0 units

Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: N/A
Advisories: THEA 104 - Intermediate Professional Theatre Dance Styles
Limitations on Enrollment: Completion of the program application and procedures for enrollment
A study at the advanced-intermediate level of dance styles appropriate to professional classic and contemporary musical theatre productions, emphasizing a growing mastery of musical theatre dance style techniques and rapid choreography acquisition. Students have the opportunity to create and teach their own movement combinations. This course is not open to students who have received credit for DRMA 401. (Fall) (Letter Grade Only)

THEA 123 Advanced Professional Theatre Dance Styles

2.0 units

Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: N/A
Advisories: THEA 122 - Advanced Intermediate Professional Theatre Dance Styles
Limitations on Enrollment: Completion of the program application and procedures for enrollment
A study at the advanced level of dance styles appropriate to professional classic and contemporary musical theatre productions, emphasizing techniques to succeed in a professional musical theatre dance audition and callback. Students will participate in mock dance auditions for a variety of production styles. This course is not open to students who have received credit for DRMA 401. (Spring) (Letter Grade Only)

THEA 198 Topics in Theatrical Performance
0.5 - 3.0 units
Acceptable for credit: Transfer CSU
Limitations on Enrollment: Completion of the program application and procedures for enrollment.
This course provides an opportunity to explore particular aspects of the performance disciplines which are not covered in detail in the existing program. Course includes public performances; therefore there is a limitation on enrollment based on audition/interview and/or portfolio review. This is a lab course with offered units based on unit formula. (Fall, Spring) (Letter Grade Only)

THEA 198A Repertory of My Fair Lady and Man of La Mancha
3.0 units
Acceptable for credit: D - Credit - Degree Applicable
Limitations on Enrollment: Completion of the program application and procedures for enrollment.
This course provides an opportunity to explore particular aspects of the performance disciplines which are not covered in detail in the existing program. Course includes public performances; therefore there is a limitation on enrollment based on audition/interview and/or portfolio review. This is a lab course with offered units based on unit formula. (Summer) (Letter Grade Only)

THEA 198S Topics In Theatrical Performance
1.0 unit
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
This course provides an opportunity to explore particular aspects of the performance disciplines which are not covered in detail in the existing program. Course includes public performances; therefore, there is a limitation on enrollment based on audition/interview and/or portfolio review. This is a lab course with offered units based on unit formula. (Summer) (Letter Grade Only)

THEA 199 Topics in Theatre Stagecraft
0.5 - 3.0 units
Acceptable for credit: Transfer CSU
Limitations on Enrollment: Completion of the program application and procedures for enrollment.
This course provides an opportunity to explore particular aspects of the technical disciplines which are not covered in detail in the existing program. Course includes public performances; therefore there is a limitation on enrollment based on audition/interview and/or portfolio review. This is a lab course with offered units based on unit formula. (Fall, Spring) (Letter Grade Only)

THEA 199A Repertory of My Fair Lady and Man of LaMancha
3.0 units
Acceptable for credit: D - Credit - Degree Applicable
Limitations on Enrollment: Completion of the program application and procedures for enrollment.
This course provides an opportunity to explore particular aspects of the performance disciplines which are not covered in detail in the existing program. Course includes public performances; therefore there is a limitation on enrollment based on audition/interview and/or portfolio review. This is a lab course with offered units based on unit formula. (Letter Grade Only)

THEA 199S Special Topics in Theatre Stagecraft
1.0 unit
Acceptable for credit: Transfer CSU
Limitations on Enrollment: Audition/Interview
This course provides an opportunity to explore particular aspects of the performance disciplines which are not covered in detail in the existing program. Course includes public performances; therefore, there is a limitation on enrollment based on audition/interview and/or portfolio review. This is a lab course with offered units based on unit formula. (Summer) (Letter Grade Only)

THEA 301 Beginning Preparation for Repertory Production
1.0 unit
Acceptable for credit: D - Credit - Degree Applicable
Limitations on Enrollment: Completion of the program application and procedures for enrollment.
A focused vocational course offering the opportunity for theatre practitioners to update, develop, and refine their skills on a specific topic, in a professional theatre setting. Under the supervision of the professional staff, the students hone theatre skills and expand resumes and portfolios through their participation in the development and performance of a variety of theatrical productions in a repertory season. This course is not open to students who have received credit for DRMA 303. (Fall, Spring) (Letter Grade Only)

THEA 302 Intermediate Preparation for Repertory Production
1.0 unit
Acceptable for credit: D - Credit - Degree Applicable
Advisories: THEA 301 - Beginning Preparation for Repertory Production
Limitations on Enrollment: Completion of program application and procedures for enrollment.
A focused vocational course offering the opportunity for theatre practitioners, who have some beginning experience, to update, develop, and refine their skills on a specific topic, in a professional theatre setting. Under the supervision of the professional staff, the students hone theatre skills and expand resumes and portfolios through their participation in the development and performance of a variety of theatrical productions in a repertory season. This course is not open to students who have received credit for DRMA 303. (Fall) (Letter Grade Only)

THEA 303 Advanced Intermediate Preparation for Repertory Production
1.0 unit
Acceptable for credit: D - Credit - Degree Applicable
Advisories: THEA 302 - Intermediate Preparation for Repertory Production
Limitations on Enrollment: Completion of program application and procedures for enrollment.
A focused vocational course offering the opportunity for theatre practitioners, who have some intermediate level experience, to update, develop, and refine their skills on a specific topic, in a professional theatre setting. Under the supervision of

the professional staff, the students hone theatre skills and expand resumes and portfolios through their participation in the development and performance of a variety of theatrical productions in a repertory season. This course is not open to students who have received credit for DRMA 303. (Letter Grade Only)

THEA 304 Advanced Preparation for Repertory Production

1.0 unit

Acceptable for credit: D - Credit - Degree Applicable
Advisories: THEA 303 - Advanced Intermediate Preparation for Repertory Production
Limitations on Enrollment: Completion of program application and procedures for enrollment.
A focused vocational course offering the opportunity for theatre practitioners, who have some advanced-intermediate level experience, to update, develop, and refine their skills on a specific topic, in a professional theatre setting. Under the supervision of the professional staff, the students hone theatre skills and expand resumes and portfolios through their participation in the development and performance of a variety of theatrical productions in a repertory season. This course is not open to students who have received credit for DRMA 303. (Fall, Spring) (Letter Grade Only)

THEA 305 Materials, Tools, and Techniques 1

10.0 units

Acceptable for credit: D - Credit - Degree Applicable
Advisories: Eligibility for; MATH 311 - Algebra 1 ; and ENGL 100 - Writing in Career/Tech Fields ; or ENGL 101 - Freshman Composition: Exposition
Limitations on Enrollment: Completion of program application and procedures for enrollment.
An introductory course in the tools, materials, and production techniques employed by a professional theatrical technician. This vocational course offers the opportunity for theatre practitioners to update, develop, and refine their skills in a professional theatre setting. This course is required of all students enrolled in the Drama -- Technical Theater Certificate program. This course is not open to students who have received credit for DRMA 304. (Fall, Spring) (Letter Grade Only)

THEA 306 Materials, Tools, and Techniques 2

10.0 units

Acceptable for credit: D - Credit - Degree Applicable
Advisories: THEA 305 - Materials, Tools, and Techniques 1 ; and eligibility for ENGL 100 or ENGL 101
Limitations on Enrollment: Limitation on Enrollment: Completion of the program application and procedures for enrollment.
An expansion on THEA 305 in the tools, materials, and production techniques employed by a professional theatrical technician. This vocational course offers the opportunity for theatre practitioners to update, develop, and refine their skills in a professional theatre setting. This course is required of all students enrolled in the Drama -- Technical Theater Certificate program. This course is not open to students who have received credit for DRMA 304. (Fall, Spring) (Letter Grade Only)

THEA 307 Planning, Production, and Management 1

10.0 units

Acceptable for credit: D - Credit - Degree Applicable
Advisories: THEA 305 - Materials, Tools, and Techniques 1 ; THEA 306 - Materials, Tools, and Techniques 2 ; and eligibility for MATH 311 and ENGL 100 or ENGL 101
Limitations on Enrollment: Completion of the program application and procedures for enrollment.
An introductory course on planning, production, and management processes and techniques employed by professional theatrical artists and craftspersons. This vocational course offers the opportunity for theatre practitioners to update, develop, and refine their skills in a professional theatre setting. This course is required of all students enrolled in the Drama -- Technical Theater Certificate program. This course is not open to students who have received credit for DRMA 304. (Fall, Spring) (Letter Grade Only)

THEA 308 Planning, Production, and Management 2

10.0 units

Acceptable for credit: D - Credit - Degree Applicable
Advisories: THEA 307 - Planning, Production, and Management 1 ; or proof of equivalent prior training and/or work experience; and eligibility for ENGL 100 or ENGL 101 and MATH 311
Limitations on Enrollment: Completion of the program application and procedures for enrollment.
An expansion on THEA 307 in the planning, production, and management processes and techniques employed by professional theatrical artists and craftspersons. This vocational course offers the opportunity for theatre practitioners to update, develop, and refine their skills in a professional theatre setting. This course is required of all students enrolled in the Drama -- Technical Theater Certificate program. This course is not open to students who have received credit for DRMA 304. (Fall, Spring) (Letter Grade Only)

THEA 310 Beginning Summer Touring Repertory Production

10.0 units

Acceptable for credit: D - Credit - Degree Applicable
Limitations on Enrollment: Completion of program application and procedures for enrollment.
A course in which the beginning career-oriented theatre student works in every aspect of preparation for touring multiple-production season. Each student is placed in the repertory company according to proficiency in a major area of emphasis. Areas of study include acting, singing, dance, design, costume crafts, property crafts, lighting, sound and scenery crafts, marketing, house and stage management. Within the framework of preparation for touring repertory theatre, the student is challenged with the rigors of a professional experience among practicing professional artists who collaborate in a program of lecture, rehearsal, technical preparation, self-analysis, and discussion. This course is not open to students who have received credit for DRMA 115. (Summer) (Letter Grade Only)

THEA 311 Intermediate Summer Touring Repertory Production

10.0 units

Acceptable for credit: D - Credit - Degree Applicable
Advisories: THEA 310 - Beginning Summer Touring Repertory Production
Limitations on Enrollment: Completion of program application and procedures for enrollment.
A course in which the intermediate career-oriented theatre student works in every aspect of preparation for touring multiple-production season. Each student is placed in the repertory company according to proficiency in a major area of emphasis. Areas of study include acting, singing, dance, design, costume crafts, property crafts, lighting, sound and scenery crafts, marketing, house and stage management. Within the framework of preparation for touring repertory theatre, the student is challenged with the rigors of a professional experience among practicing professional artists who collaborate in a program of lecture, rehearsal, technical preparation, self-analysis, and discussion. This course is not open to students who have received credit for DRMA 115. (Summer) (Letter Grade Only)

THEA 312 Advanced Intermediate Summer Repertory Production

10.0 units

Acceptable for credit: D - Credit - Degree Applicable
Advisories: THEA 311 - Intermediate Summer Touring Repertory Production
Limitations on Enrollment: Completion of program application and procedures for enrollment.
A course in which the advanced-intermediate career-oriented theatre student works in every aspect of preparation for touring multiple-production season. Each student is placed in the repertory company according to proficiency in a major area of emphasis. Areas of study include acting, singing, dance, design, costume crafts, property crafts, lighting, sound and scenery crafts, marketing, house and stage management. Within the framework of preparation for touring repertory theatre, the student is challenged with the rigors of a professional experience among practicing professional artists who collaborate in a program of lecture, rehearsal, technical preparation, self-analysis, and discussion. This course is not open to students who have completed DRMA 115. (Summer) (Letter Grade Only)

THEA 313 Advanced Summer Touring Repertory Production

10.0 units

Acceptable for credit: D - Credit - Degree Applicable
Advisories: THEA 312 - Advanced Intermediate Summer Repertory Production
Limitations on Enrollment: Completion of program application and procedures for enrollment.
A course in which the advanced career-oriented theatre student works in every aspect of preparation for touring multiple-production season. Each student is placed in the repertory company according to proficiency in a major area of emphasis. Areas of study include acting, singing, dance, design, costume crafts, property crafts, lighting, sound and scenery crafts, marketing, house and stage management. Within the framework of preparation for touring repertory theatre, the student is challenged with the rigors of a professional experience among practicing professional artists who collaborate in a program of lecture, rehearsal, technical preparation, self-analysis, and discussion. This course is not open to students who have received credit for DRMA 115. (Summer) (Letter Grade Only)

Truck Driving

TRCK 7800 Truck Driving Theory

12.0 - 30.0 hours

Acceptable for credit: N - Noncredit
C-ID Course Number: N/A
Advisories: ELDN 7470 - High Intermediate Title 49 section 391.11 - General qualifications of drivers states in part b number 2 that drivers can read and speak the English language sufficiently to converse with the general public, to understand highway traffic signs and signals in the English language, to respond to official inquiries, and to make entries on reports and records.
Limitations on Enrollment: California Standards CVC §12804.9 requires that DMV determine whether the applicant is mentally and physically fit to operate a motor vehicle, and permits us to consider the standards required by federal regulations in establishing California medical requirements for commercial driver licenses. It also provides that any physical defect of the applicant which, in the opinion of DMV, is compensated for to ensure safe driving ability, will not prevent the issuance of the license. CVC §12809 authorizes DMV to refuse to issue a CDL to any person not meeting the medical requirements. California Regulations Title 13, Article 2.1, 28.18 and 28.19, of the California Code of Regulations (CCR) provides the minimum physical and medical requirements for Class A, B, or commercial Class C drivers' licenses. These are the same standards required of motor carrier drivers by the Federal Highway Administration of the Department of Transportation. Condition Drive is qualified if: Exceptions/Considerations Loss of or limited use of extremities Loss or impairment of an extremity or any significant limb defect or limitation does not interfere with the ability to perform normal tasks associated with operating a motor vehicle. The driver may be granted a waiver if it is determined that the impairment will not interfere with the driver's ability to control and safely operate a motor vehicle. Exceptions may be made and a restricted commercial license may be issued. The driver must take a drive test in the applicable type of vehicle, unless they were previously tested and qualified. Insulin-Dependent Diabetes They have no established medical history or clinical diagnosis of diabetes mellitus currently requiring insulin for control. A commercial driver generally is not in a position to balance dietary and rest needs. Injury, emotional stress, unrelated illness, diarrhea, vomiting, or infection may also affect control of the diabetic condition. Additionally, residual effects of the disease may include nerve and vascular damage causing pain or numbness in the extremities and/or vision deterioration. When evaluating the condition of any diabetic, residual effects of the disease should not be overlooked. Individuals who control their diabetes with diet or oral medication are usually issued a commercial license. However, they may also be affected by these residual effects. Thorough review of the reports for vision and extremities on the

medical report, along with urinalysis, is required. Indications from urinalysis of uncontrolled diabetes may disqualify an applicant from operating a commercial vehicle. For the above reasons, the circumstances in which an insulin dependent diabetic may be qualified for a restricted intrastate commercial license will be very rare. Under federal standards, a diabetic on insulin therapy, regardless of the degree of control, does not qualify for interstate driving, unless they were issued a federal waiver or exemption. Cardiovascular system They have no clinical diagnosis of any cardiovascular disease which is accompanied by syncope, dyspnea (shortness of breath), collapse, or congestive cardiac failure. The concern is whether there is a current clinical diagnosis or history of an uncontrolled cardiovascular disease, which is accompanied by and likely to cause symptoms of fainting, labored breathing, collapse, congestive cardiac failure, or sudden death. Respiratory system They have no established medical history or clinical diagnosis of a respiratory condition that would interfere with the ability to control and drive a motor vehicle safely. The concern is whether a respiratory condition may result in a lapse of consciousness, dizziness, fatigue, or decreased mental awareness which may interfere with the ability to safely operate a motor vehicle. Blood pressure They have no clinical diagnosis of high blood pressure likely to interfere with their ability to operate a motor vehicle safely. The complications that may arise from sustained hypertension such as damage to the heart, eyes, kidneys, and brain are unacceptable for highway safety. Uncontrollable malignant (very dangerous) hypertension that is rapidly progressive is disqualifying. Musculo-skeletal system They have no established medical history or clinical diagnosis of rheumatic, arthritic, orthopedic, muscular, neuromuscular, or vascular disease that interferes with their ability to control and operate a motor vehicle safely. A driver with an established medical history or clinical diagnosis of any of these conditions, and who cannot demonstrate compensation through a drive test, does not qualify for a commercial driver license. Seizure or loss of conscious-ness/control They have no established medical history or clinical diagnosis of epilepsy or any other condition which is likely to cause loss of consciousness or any loss of ability to control a motor vehicle. Clinical diagnosis of epilepsy is a key medical factor for determining whether an individual is qualified to obtain a commercial license. A clinical diagnosis of epilepsy will usually require a controlling anti-convulsant medication and the driver will not qualify for interstate driving. Blackouts of known cause, when the cause is no longer present nor likely to recur, may not be disqualifying (such as a lapse of consciousness due to pregnancy, high fever, allergic reaction to prescribed medication, or insect bite). The physician should withhold certification until the driver has fully recovered from the condition. Mental or functional disorder They have no mental, nervous, organic, or functional disease or psychiatric disorder likely to interfere with their ability to drive a motor vehicle safely. Emotional or adjustment problems contribute directly to an individual's level of memory, reasoning, attention, and judgment. Physical disorders often underlie these problems. A variety of functional disorders can cause drowsiness, dizziness, confusion, weakness, or paralysis that may lead to poor coordination, inattention, loss of control, and susceptibility to accidents while driving. Physical fatigue, headache, impaired coordination, recurring physical ailments, and chronic pain may be present to such a degree that certification for commercial driving is inadvisable. Medications taken to relieve these disorders, such as pain relievers, tranquilizers, and mood elevators, may produce side effects which would also preclude commercial licensing. Refer to the "Drugs" section in this table. Vision They have at least: – 20/40 (Snellen) distant vision in each eye without corrective lenses, or corrected to 20/40 (Snellen) or better with corrective lenses. – 20/40 distant binocular acuity (Snellen) in both eyes with or without corrective lenses. – Field of vision of at least 70º in the horizontal meridian in each eye. – The ability to recognize the colors of traffic signals and devices showing standard red, green, and amber. Interstate drivers must have 20/40 vision or better in each eye and in both eyes together, with or without corrective lenses. Color blind applicants may qualify for both interstate and intrastate commercial driving if the examining doctor determines they are able to distinguish the traffic light colors of red, green, and amber, even if perceived in shades of gray. Restrictions (may not transport passengers or hazardous materials requiring placards, or limited to intrastate commercial driving only) are not applied if the doctor determines the driver meets the color vision standard. Federal regulations allow certain commercial drivers to qualify under alternative vision standards. Alternative vision standards require the same visual acuity and horizontal meridian standards, but only in one eye. Commercial drivers qualifying under the alternative vision standards must have a Vision Evaluation Report (VER), Form MCSA-5871 completed by an ophthalmologist or optometrist and submit the VER to the doctor completing the medical examination report. 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The driver does not have to be addicted or a habitual user to be found unqualified. A person who takes a drug identified as a Schedule 1 drug in FMCSR Appendix D is disqualified from driving a commercial motor vehicle, except under limited circumstances. Alcoholism They have no current clinical diagnosis of alcoholism. Current clinical diagnosis is designed to include a current alcoholic illness or those instances where the individual's physical condition has not fully stabilized, regardless of the time element. The person must have ceased drinking for a sufficient period of time to: – Have regained good judgment. – Have no withdrawal effects, such as alcohol withdrawal seizures. – No longer be physically or mentally unable to operate a motor vehicle safely. Long term use of alcohol may lead to permanent deterioration of mental or physical function. If there is a history of past alcohol abuse, the overall physical condition of the driver should be carefully reviewed.

This course prepares students to take the knowledge test required to obtain a California Commercial Class A Learner's Permit. The

curriculum follows Federal Motor Carrier Safety Administration's requirement for ELDT (Entry Level Driver Training). (Fall, Spring, Summer) (Satisfactory Progress)

TRCK 7801 Yard Skills

16.0 - 30.0 hours
Acceptable for credit: N - Noncredit
Repeatable: 3.00
C-ID Course Number: N/A
Advisories: ELDN 7470 - High Intermediate Title 49 section 391.11 - General qualifications of drivers states in part b number 2 that drivers can read and speak the English language sufficiently to converse with the general public, to understand highway traffic signs and signals in the English language, to respond to official inquiries, and to make entries on reports and records
Limitations on Enrollment: Students must: 1.) present a current California CDL Learner's Permit; 2.) submit an authorized Medical Examination Report; 3.) submit a 10-year driving history from DMV; 4.) submit a clear drug and alcohol screening test at Hancock-approved medical provider.; California Standards CVC §12804.9 requires that DMV determine whether the applicant is mentally and physically fit to operate a motor vehicle, and permits us to consider the standards required by federal regulations in establishing California medical requirements for commercial driver licenses. It also provides that any physical defect of the applicant which, in the opinion of DMV, is compensated for to ensure safe driving ability, will not prevent the issuance of the license. CVC §12809 authorizes DMV to refuse to issue a CDL to any person not meeting the medical requirements. California Regulations Title 13, Article 2.1, 28.18 and 28.19, of the California Code of Regulations (CCR) provides the minimum physical and medical requirements for Class A, B, or commercial Class C drivers' licenses. These are the same standards required of motor carrier drivers by the Federal Highway Administration of the Department of Transportation. Condition Drive is qualified if: Exceptions/Considerations Loss of or limited use of extremities Loss or impairment of an extremity or any significant limb defect or limitation does not interfere with the ability to perform normal tasks associated with operating a motor vehicle. The driver may be granted a waiver if it is determined that the impairment will not interfere with the driver's ability to control and safely operate a motor vehicle. Exceptions may be made and a restricted commercial license may be issued. The driver must take a drive test in the applicable type of vehicle, unless they were previously tested and qualified. Insulin-Dependent Diabetes They have no established medical history or clinical diagnosis of diabetes mellitus currently requiring insulin for control. A commercial driver generally is not in a position to balance dietary and rest needs. Injury, emotional stress, unrelated illness, diarrhea, vomiting, or infection may also affect control of the diabetic condition. Additionally, residual effects of the disease may include nerve and vascular damage causing pain or numbness in the extremities and/or vision deterioration. When evaluating the condition of any diabetic, residual effects of the disease should not be overlooked. Individuals who control their diabetes with diet or oral medication are usually issued a commercial license. However, they may also be affected by these residual effects. Thorough review of the reports for vision and extremities on the medical report, along with urinalysis, is required. 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Physical fatigue, headache, impaired coordination, recurring physical ailments, and chronic pain may be present to such a degree that certification for commercial driving is

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Prerequisite: TRCK 7800 - Truck Driving Theory
Yard skills for commercial truck driving includes pre-trip inspections, air brake system testing, and parking operations such as parallel parking and angled backing into a dock. (Satisfactory Progress)

TRCK 7802 Public Road Truck Driving

20.0 - 30.0 hours
Acceptable for credit: N - Noncredit
Repeatable: 3.00
C-ID Course Number: N/A
Advisories: ELDN 7470 - High Intermediate Title 49 section 391.11 - General qualifications of drivers states in part b number 2 that drivers can read and speak the English language sufficiently to converse with the general public, to understand highway traffic signs and signals in the English language, to respond to official inquiries, and to make entries on reports and records.
Limitations on Enrollment: Students must: 1.) present a current California CDL Learner's Permit; 2.) submit an authorized Medical Examination Report; 3.) submit a 10-year driving history from DMV; 4.) submit a clear drug and alcohol screening test at Hancock-approved medical provider.; California Standards CVC §12804.9 requires that DMV determine whether the applicant is mentally and physically fit to operate a motor vehicle, and permits us to consider the standards required by federal regulations in establishing California medical requirements for commercial driver licenses. It also provides that any physical defect of the applicant which, in the opinion of DMV, is compensated for to ensure safe driving ability, will not prevent the issuance of the license. CVC §12809 authorizes DMV to refuse to issue a CDL to any person not meeting the medical requirements. California Regulations Title 13, Article 2.1, 28.18 and 28.19, of the California Code of Regulations (CCR) provides the minimum physical and medical requirements for Class A, B, or commercial Class C drivers’ licenses. These are the same standards required of motor carrier drivers by the Federal Highway Administration of the Department of Transportation. Condition Drive is qualified if: Exceptions/Considerations Loss of or limited use of extremities Loss or impairment of an extremity or any significant limb defect or limitation does not interfere with the ability to perform normal tasks associated with operating a motor vehicle. The driver may be granted a waiver if it is determined that the impairment will not interfere with the driver’s ability to control and safely operate a motor vehicle. Exceptions may be made and a restricted commercial license may be issued. The driver must take a drive test in the applicable type of vehicle, unless they were previously tested and qualified. Insulin-Dependent Diabetes They have no established medical history or clinical diagnosis of diabetes mellitus currently requiring insulin for control. A commercial driver generally is not in a position to balance dietary and rest needs. Injury, emotional stress, unrelated illness, diarrhea, vomiting, or infection may also affect control of the diabetic condition. Additionally, residual effects of the disease may include nerve and vascular damage causing pain or numbness in the extremities and/or vision deterioration. When evaluating the condition of any diabetic, residual effects of the disease should not be overlooked. Individuals who control their diabetes with diet or oral medication are usually issued a commercial license. However, they may also be affected by these residual effects. Thorough review of the reports for vision and extremities on the medical report, along with urinalysis, is

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Prerequisite: TRCK 7800 - Truck Driving Theory ; TRCK 7801 - Yard Skills

This course prepares students to take the road skills test required to obtain a California Commercial Driver's License Class A or B. Curriculum follows Federal Motor Carrier Safety Administration's requirement for ELDT (Entry Level Driver Training). Upon completion of the course and passing the road skills test, students may qualify for the DMV driving skills exam. (Fall, Spring, Summer) (Satisfactory Progress)

TRCK 7803 Commercial Vehicle Simulator Lab

1.0 - 40.0 hours

Acceptable for credit: N - Noncredit

Limitations on Enrollment: California Standards CVC §12804.9 requires that DMV determine whether the applicant is mentally and physically fit to operate a motor vehicle, and permits us to consider the standards required by federal regulations in establishing California medical requirements for commercial driver licenses. It also provides that any physical defect of the applicant which, in the opinion of DMV, is compensated for to ensure safe driving ability, will not prevent the issuance of the license. CVC §12809 authorizes DMV to refuse to issue a CDL to any person not meeting the medical requirements. California Regulations Title 13, Article 2.1, 28.18 and 28.19, of the California Code of Regulations (CCR) provides the minimum physical and medical requirements for Class A, B, or commercial Class C drivers' licenses. These are the same standards required of motor carrier drivers by the Federal Highway Administration of the Department of Transportation. Condition Drive is qualified if: Exceptions/Considerations Loss of or limited use of extremities Loss or impairment of an extremity or any significant limb defect or limitation does not interfere with the ability to perform normal tasks associated with operating a motor vehicle. The driver may be granted a waiver if it is determined that the impairment will not interfere with the driver's ability to control and safely operate a motor vehicle. Exceptions may be made and a restricted commercial license may be issued. The driver must take a drive test in the applicable type of vehicle, unless they were previously tested and qualified. Insulin-Dependent Diabetes They have no established medical history or clinical diagnosis of diabetes mellitus currently requiring insulin for control. A commercial driver generally is not in a position to balance dietary and rest needs. Injury, emotional stress, unrelated illness, diarrhea, vomiting, or infection may also affect control of the diabetic condition. Additionally, residual effects of the disease may include nerve and vascular damage causing pain or numbness in the extremities and/or vision deterioration. When evaluating the condition of any diabetic, residual effects of the disease should not be overlooked. Individuals who control their diabetes with diet or oral medication are usually issued a commercial license. However, they may also be affected by these residual effects. Thorough review of the reports for vision and extremities on the medical report, along with urinalysis, is required. Indications from urinalysis of uncontrolled diabetes may disqualify an applicant from operating a commercial vehicle. For the above reasons, the circumstances in which an insulin dependent diabetic may be qualified for a restricted intrastate commercial license will be very rare. Under federal standards, a diabetic on insulin therapy, regardless of the degree of control, does not qualify for interstate driving, unless they were issued a federal waiver or exemption. Cardiovascular system They have no clinical diagnosis of any cardiovascular disease which is accompanied by syncope, dyspnea (shortness of breath), collapse, or congestive cardiac failure. The concern is whether there is a current clinical diagnosis or history of an uncontrolled cardiovascular disease, which is accompanied by and likely to cause symptoms of fainting, labored breathing, collapse, congestive cardiac failure, or sudden death. Respiratory system They have no established medical history or clinical diagnosis of a respiratory condition that would interfere with the ability to control and drive a motor vehicle safely. The concern is whether a respiratory condition may result in a lapse of consciousness, dizziness, fatigue, or decreased mental awareness which may interfere with the ability to safely operate a motor vehicle. Blood pressure They have no clinical diagnosis of high blood pressure likely to interfere with their ability to operate a motor vehicle safely. The complications that may arise from sustained hypertension such as damage to the heart, eyes, kidneys, and brain are unacceptable for highway safety. Uncontrollable malignant (very dangerous) hypertension that is rapidly progressive is disqualifying. Musculo-skeletal system They have no established medical history or clinical diagnosis of rheumatic, arthritic, orthopedic, muscular, neuromuscular, or vascular disease that interferes with their ability to control and operate a motor vehicle safely. A driver with an established medical history or clinical diagnosis of any of these conditions, and who cannot demonstrate compensation through a drive test, does not qualify for a commercial driver license. Seizure or loss of conscious-ness/control They have no established medical history or clinical diagnosis of epilepsy or any other condition which is likely to cause loss of consciousness or any loss of ability to control a motor vehicle. Clinical diagnosis of epilepsy is a key medical factor for determining whether an individual is qualified to obtain a commercial license. A clinical diagnosis of epilepsy will usually require a controlling anti-convulsant medication and the driver will not qualify for interstate driving. Blackouts of known cause, when the cause is no longer present nor likely to recur, may not be disqualifying (such as a lapse of consciousness due to pregnancy, high fever, allergic reaction to prescribed medication, or insect bite). The physician should withhold certification until the driver has fully recovered from the condition. Mental or functional disorder They have no mental, nervous, organic, or functional disease or psychiatric disorder likely to interfere with their ability to drive a motor vehicle safely. Emotional or adjustment problems contribute directly to an individual's level of memory, reasoning, attention, and judgment. Physical disorders often underlie these problems. A variety of functional disorders can cause drowsiness, dizziness, confusion, weakness, or paralysis that may lead to poor coordination, inattention, loss of control, and susceptibility to accidents while driving. Physical fatigue, headache, impaired coordination, recurring physical ailments, and chronic pain may be present to such a degree that certification for commercial driving is inadvisable. Medications taken to relieve these disorders, such as pain relievers, tranquilizers, and mood elevators, may produce side effects which would also preclude commercial licensing. Refer to the "Drugs" section in this table. Vision They have at least: – 20/40 (Snellen) distant vision in each eye without corrective lenses, or corrected to 20/40 (Snellen) or better with corrective lenses. – 20/40 distant binocular acuity (Snellen) in both eyes with or without corrective lenses. – Field of vision of at least 70º in the horizontal meridian in each eye. – The ability

to recognize the colors of traffic signals and devices showing standard red, green, and amber. Interstate drivers must have 20/40 vision or better in each eye and in both eyes together, with or without corrective lenses. Color blind applicants may qualify for both interstate and intrastate commercial driving if the examining doctor determines they are able to distinguish the traffic light colors of red, green, and amber, even if perceived in shades of gray. Restrictions (may not transport passengers or hazardous materials requiring placards, or limited to intrastate commercial driving only) are not applied if the doctor determines the driver meets the color vision standard. Federal regulations allow certain commercial drivers to qualify under alternative vision standards. Alternative vision standards require the same visual acuity and horizontal meridian standards, but only in one eye. Commercial drivers qualifying under the alternative vision standards must have a Vision Evaluation Report (VER), Form MCSA-5871 completed by an ophthalmologist or optometrist and submit the VER to the doctor completing the medical examination report. Hearing They can first perceive a forced whispered voice at not less than five ft in their better ear with or without the use of a hearing aid. If tested with an audiometric device, they do not have an average hearing loss greater than 40 decibels at 500 Hz, 1,000 Hz, and 2,000 Hz in the better ear with or without a hearing aid. Applicants who have a hearing loss in both ears that cannot be corrected to the federal requirements do not qualify for an interstate license, but may qualify for a restricted intrastate license (may not transport passengers or hazardous materials requiring placards), if a driving test shows adequate compensation for the deficit. If the driver meets the criteria by using a hearing aid, the driver must wear the hearing aid and have it in operation at all times while driving, and have a spare power source for the hearing aid in possession. Drugs They do not use an amphetamine, narcotic, or any habit-forming drug. The driver does not have to be addicted or a habitual user to be found unqualified. A person who takes a drug identified as a Schedule 1 drug in FMCSR Appendix D is disqualified from driving a commercial motor vehicle, except under limited circumstances. Alcoholism They have no current clinical diagnosis of alcoholism. Current clinical diagnosis is designed to include a current alcoholic illness or those instances where the individual's physical condition has not fully stabilized, regardless of the time element. The person must have ceased drinking for a sufficient period of time to: – Have regained good judgment. – Have no withdrawal effects, such as alcohol withdrawal seizures. – No longer be physically or mentally unable to operate a motor vehicle safely. Long term use of alcohol may lead to permanent deterioration of mental or physical function. If there is a history of past alcohol abuse, the overall physical condition of the driver should be carefully reviewed.
Using computer-aided simulation technology, this course is designed to provide students with added training in a safe environment prior to public road driving in a commercial vehicle. Students must be enrolled in the program, possess their commercial learners permit, be referred by the instructor, and work toward obtaining their commercial vehicle driver's license. (Satisfactory Progress)

Viticulture And Enology

VEN 101 Introduction to Winemaking/Enology
3.0 units
Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: N/A
An examination of the principles of enology (winemaking) including history, grape growing, chemistry, wine microorganisms, fermentation, winemaking operations, cooperage, physiology and sociology of wine, and health and legal issues. This course is not open to students who have received credit for AG 101. (Fall, Spring) (Letter Grade or Pass/No Pass)

VEN 102 Introduction to Viticulture
3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
An introduction to viticulture including grape growing, biology, anatomy, history, distribution, propagation, varieties, wine types, climate, common diseases and pests. This course is not open to students who have received credit for AG 102. (Fall, Spring) (Letter Grade or Pass/No Pass)

VEN 103 Sensory Evaluation of Wine
3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Limitations on Enrollment: Must be 21 years of age or older.
An exploration of the principles of sensory wine evaluation. Demonstrates how wine quality is affected by climate, viticulture practices, production techniques, grape varieties, vineyard location, oak aging, and storage conditions. Participants will survey and evaluate commercial wine styles. Limitation on enrollment: students must be 21 years of age or older. This course is not open to students who have received credit for AG 103. (Fall) (Letter Grade or Pass/No Pass)

VEN 104 Advanced Sensory Evaluation of Wine
3.0 units
Acceptable for credit: Transfer CSU
Limitations on Enrollment: Must be 21 years of age or older
Prerequisite: VEN 103 - Sensory Evaluation of Wine ; or VEN 103 - Sensory Evaluation of Wine
An investigation of Bordeaux, Burgundian, and Rhone varietals from regions where they occur world wide -- France, USA, Chile, Italy, Australia, New Zealand, and Germany. Focuses on geography/soils, enological considerations, viticulture practices, wine production techniques and styles produced. This course is not open to students who have received credit for AG 104. (Spring) (Letter Grade or Pass/No Pass)

VEN 105 Wine Marketing and Sales
3.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
An introductory overview of the wine industry, production, planning, marketing channels, advertising, promotion, packaging, pricing, retail/wholesale distribution, and public relations. This course is

not open to students who have received credit for AG 105. (Fall, Spring) (Letter Grade or Pass/No Pass)

VEN 106 Winery and Vineyard Financial Management

3.0 units

Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Advisories: CBIS 371 - Intro to Excel
Presents the many aspects of operating a small to medium-sized winery in today's business environment. Topics include an overview of the California grape and wine industry, government compliance, financial planning (capital and operating budgets), grape supply options, grape contracts, financial and managerial accounting for vineyards and wineries. Includes the basics of vineyard and winery financial management e.g. using financial statements and what they mean, cash flow management, financial and investment analysis, banking and funding sources. The class combines short lecture and hands-on experience to gain practice with, and examine the limitations of, each analysis. Some basic understanding of Microsoft Excel is recommended. This course is not open to students who have received credit for AG 106. (Fall, Spring) (Letter Grade or Pass/No Pass)

VEN 114 Wine Business

3.0 units

Acceptable for credit: Transfer CSU
Advisories: BUS 101 - Introduction to Business ; ENGL 514 - Writing Skills 4
The course will cover the basics of wine business for commercial wine production, sales, marketing, logistics, compliance and administration. The class combines short lecture and hands-on experience to gain practice with, and examine the limitations of, each analysis. The student will work in small groups analyzing regional wine industries. This course is not open to students who have received credit for AG 114. (Fall, Spring) (Letter Grade or Pass/No Pass)

VEN 120 Viticulture Operations 1

3.0 units

Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Vineyard practices for the fall and winter seasons, including harvest, pruning, fertilization, weed control, erosion control, and propagation. Laboratory work will stress practical applications of viticulture theory. Operations in commercial vineyards will be studied through field trips. This course is not open to students who have received credit for AG 120. (Fall) (Letter Grade or Pass/No Pass)

VEN 121 Viticulture Operations 2

3.0 units

Acceptable for credit: Transfer CSU
Advisories: VEN 102 - Introduction to Viticulture or AG 102 Introduction to Viticulture
Vineyard practices for the spring season including cultivation, frost control, planting, training, irrigation, disease, and pest control. Laboratory work will stress practical applications of viticulture theory. Operations in commercial vineyards will be studied through field trips. This course is not open to students who have received credit for AG 121. (Spring) (Letter Grade or Pass/No Pass)

VEN 122 Viticulture Operations 3

1.0 unit

Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Vineyard practices for the summer season including canopy management, crop load assessment and adjustment, pest and disease monitoring and management, weed control, irrigation, and grape quality improvement techniques. This course is not open to students who have received credit for AG 122. (Summer) (Letter Grade or Pass/No Pass)

VEN 125 Introduction to Soil Science

4.0 units

Acceptable for credit: Transfer to UC, CSU
C-ID Course Number: AG-PS 128
Advisories: CHEM 120 - Introductory Chemistry
A study of the physical, chemical and biological properties of soils, including plant nutrition and factors affecting the availability of nutrients. Composition, value, use and application of fertilizer materials and soil amendments will be covered. The course is not open to students who are enrolled in or have received credit for AG 125. (Fall, Spring) (Letter Grade or Pass/No Pass)

VEN 126 Fertilizers and Plant Nutrition

4.0 units

Acceptable for credit: Transfer CSU
Advisories: VEN 125 - Introduction to Soil Science ; or AG 125 - Introduction to Soil Science
This course will provide an introduction to fertilizers and plant nutrition. Essential nutrients for plant development will be studied as well as deficiency symptoms and methods of correcting for these deficiencies. Fertilizer and other soil amendments will be studied as well as the proper management and application methods for these products. The course is not open to students who are enrolled in or have received credit for AG 126. (Spring) (Letter Grade or Pass/No Pass)

VEN 130 Integrated Pest Management

4.0 units

Acceptable for credit: Transfer CSU
Prerequisite: VEN 102 - Introduction to Viticulture (or completion of AG 102); or AG 161 - Introduction to Plant Science
A study of the various pests and diseases found in California vineyard, fruit, vegetable, nut and grain crops - emphasizing pest and disease identification, sampling and monitoring techniques, and control methods. Integrated pest management approaches will be emphasized, including the latest bio-control strategies, biotechnological advances, and disease modeling for risk management. Students will visit local vineyards and farms providing "hands-on" learning opportunities. Two separate lab sections will be offered in order to provide students the appropriate option for their agricultural field of interest. Section I will be for the Viticulture focus, Section II will be for the Agriculture focus. This course is not open to students who are enrolled in or have received credit for AG 130. (Letter Grade or Pass/No Pass)

VEN 135 Grapevine Physiology
1.0 unit
Acceptable for credit: Transfer CSU
Advisories: VEN 102 - Introduction to Viticulture or AG 102 Introduction to Viticulture
An advanced study of grapevine physiology and phenology. Topics include vine balance, flowering and fruit set, stages of berry growth and vine water status. This course is designed for those working in the wine grape industry and already familiar with vineyard operations. This course is not open to students who have received credit for AG 135. (Letter Grade or Pass/No Pass)

VEN 140 Viticulture Operations 4
3.0 units
Acceptable for credit: Transfer CSU
Prerequisite: VEN 120 - Viticulture Operations 1 or AG 120 Viticulture Operations 1
Advanced vineyard practices for the fall season including crop projection, grape quality assessment, grape maturity monitoring, harvest coordination, post-harvest practices, and budgeting. Management planning and financial aspects of the operations are emphasized. This course is not open to students who have received credit for AG 140. (Fall) (Letter Grade or Pass/No Pass)

VEN 141 Viticulture Operations 5
3.0 units
Acceptable for credit: Transfer CSU
Prerequisite: VEN 121 - Viticulture Operations 2 or AG 121 Viticulture Operations 2
Advanced vineyard practices for the winter and spring seasons including vine balance determination, pruning, cover crop management, frost protection, vine training, vineyard research trials, and budgeting. Management planning and financial aspects of the operations are emphasized. This course is not open to students who have received credit for AG 141. (Spring) (Letter Grade or Pass/No Pass)

VEN 142 Viticulture Operations 6
1.0 unit
Acceptable for credit: Transfer CSU
Prerequisite: VEN 122 - Viticulture Operations 3 or AG 122 Viticulture Operations 3
Advanced vineyard practices for the summer season including equipment operation and maintenance, vine training, vineyard research trials, and budgeting. Management planning and financial aspects of the operations are emphasized. This course is not open to students who have received credit for AG 142. (Summer) (Letter Grade or Pass/No Pass)

VEN 151 Winery Equipment
2.0 units
Acceptable for credit: Transfer CSU
Prerequisite: Completion of or concurrent enrollment in; VEN 101 - Introduction to Winemaking/Enology or AG 101 Introduction to Winemaking/Enology
Presents all aspects of winery equipment; function, use, location, safe operation and repair. A strong emphasis is placed on safety and legal compliance. Production, storage and packaging equipment are included. This course is not open to students who have received credit for AG 151. (Fall) (Letter Grade or Pass/No Pass)

VEN 179A Intro to Precision Viticulture
3.0 units
Acceptable for credit: D - Credit - Degree Applicable
This course will provide an introduction to the techniques used in precision viticulture. Some of the technologies and techniques will include Geographical Information Systems (GIS), Global Positioning Systems (GPS), Electromagnetic Induction (EM), Normalized Difference Vegetation Index (NDVI) and Ground Penetrating Radar (GPD). An emphasis will be put on applying these techniques to increase grape quality and spatial uniformity, reducing input costs, and more accurately assessing yield estimates. (A) (Letter Grade or Pass/No Pass)

VEN 301 Pairing Wine and Food
0.5 units
Acceptable for credit: D - Credit - Degree Applicable
Limitations on Enrollment: Must be 21 years of age or older.
Designed to familiarize students with the components of tasting wine and food, to develop wine evaluation techniques, and to pair wines with appropriate food. This course is not open to students who have received credit for AG 301. (Letter Grade or Pass/No Pass)

VEN 302 Progressive Wine and Food Pairing
0.5 units
Acceptable for credit: D - Credit - Degree Applicable
Limitations on Enrollment: Must be 21 years of age or older.
Designed to give students an understanding of how to ensure food flavors and intensity are maximized, while serving a wider range of wines. This course is not open to students who have received credit for AG 302. (Letter Grade or Pass/No Pass)

VEN 303 European Wine and Food
0.5 units
Acceptable for credit: D - Credit - Degree Applicable
Limitations on Enrollment: Must be 21 years or older
Designed for students wishing to expand their knowledge of wine and food pairings. Focuses on European as well as California wines with appropriate regional food. This course is not open to students who have received credit for AG 303. (Fall, Spring) (Letter Grade or Pass/No Pass)

VEN 304 Dessert Wine and Food Pairing
0.5 units
Acceptable for credit: D - Credit - Degree Applicable
Limitations on Enrollment: Must be 21 years of age or older.
Designed for advanced students wishing to expand their knowledge in wine and dessert pairings. Champagnes, sparkling wines and a variety of dessert wines (ports, sherries, Madeira) will be presented. This course is not open to students who have received credit for AG 304. (Letter Grade or Pass/No Pass)

VEN 305 Pairing the Wines and Foods of Provence
0.5 units
Acceptable for credit: D - Credit - Degree Applicable

Advisories: VEN 301 - Pairing Wine and Food
Limitations on Enrollment: Must be 21 years of age or older.
Designed for advanced students wishing to expand their knowledge of wine and food pairings. Focuses on the distinctive foods and wines of the Provence region in southern France. This course is not open to students who have received credit for AG 305. (Letter Grade or Pass/No Pass)

VEN 306 Pairing the Wines and Foods of Tuscany
0.5 units
Acceptable for credit: D - Credit - Degree Applicable
Advisories: VEN 301 - Pairing Wine and Food ; or VEN 301 - Pairing Wine and Food
Limitations on Enrollment: Must be 21 years or older at time of registration.
Designed for advanced students wishing to expand their knowledge of specific wine and food pairings. Focuses on the distinctive foods and wines of the Tuscan region in northern Italy. This course is not open to students who have received credit for AG 306. (Letter Grade or Pass/No Pass)

VEN 307 Vineyard Irrigation
3.0 units
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: N/A
Students will receive a general background in vineyard irrigation water management, including theory and practice lectures. Vineyard water stress monitoring, ETo, crop coefficients and drip irrigation topics will be covered. This course is not open to students who have received credit for AG 307. (Fall, Spring) (Letter Grade or Pass/No Pass)

VEN 308 Wine Analysis
3.0 units
Acceptable for credit: D - Credit - Degree Applicable
Students will receive a general background in wine analysis with theory and demonstrations. Most common and important wine analysis in current winemaking industry settings will be practiced in teams providing hands on experience. This course is not open to students who have received credit for AG 308. (Letter Grade or Pass/No Pass)

VEN 310 Winemaking Operations I
2.0 units
Acceptable for credit: D - Credit - Degree Applicable
Advisories: VEN 101 - Introduction to Winemaking/Enology or AG 101 Introduction to Winemaking/Enology
Limitations on Enrollment: Must be 18 years of age or older and registered in the Enology/Viticulture major or must be 21 years old if not enrolled in the major.
The first course in a four-semester sequence, students are introduced to winemaking from grape harvest through bottling. This course is not open to students who have received credit for AG 310. (Letter Grade or Pass/No Pass)

VEN 311 Winemaking Operations II
2.0 units
Acceptable for credit: D - Credit - Degree Applicable
Advisories: VEN 310 - Winemaking Operations I or AG 310 Winemaking Operations 1; and VEN 101 - Introduction to Winemaking/Enology or AG 101 Introduction to Winemaking/Enology
Limitations on Enrollment: Must be 18 years of age or older and registered in the Enology/Viticulture major or must be at least 21 years old.
The second course in a four-semester sequence, students will chemically analyze, fine, and bottle the red and white wines that were fermented in the previous semester. This course is not open to students who have received credit for AG 311. (Spring) (Letter Grade or Pass/No Pass)

VEN 312 Advanced Viticulture
3.0 units
Acceptable for credit: D - Credit - Degree Applicable
Prerequisite: VEN 102 - Introduction to Viticulture or AG 102 Introduction to Viticulture
This class prepares students to understand and make decisions for the viticultural process including canopy management, frost protection, specific deficit irrigation, morphology and physiology of the grapevine. This course is not open to students who have received credit for AG 312. (Letter Grade or Pass/No Pass)

VEN 314 Organic/Biodynamic Winegrowing
3.0 units
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: N/A
Introduction to professional organic and biodynamic wine grape production with ecological production methods. Theory and practice with an emphasis on regional growing conditions. Includes appropriate planting, maintenance, soil fertility, biodiversity, and ecological pest management, current winery practices, and cost analysis. This course is not open to students who have received credit for AG 314. (Spring) (Letter Grade or Pass/No Pass)

VEN 316 Introduction to Wine Microbiology
3.0 units
Acceptable for credit: D - Credit - Degree Applicable
Prerequisite: VEN 101 - Introduction to Winemaking/Enology ; or VEN 101 - Introduction to Winemaking/Enology
Introduction to the natural development, physiology, biochemistry and control of yeasts and bacteria involved in the making, aging and spoilage of wine, including conditions that affect microbial growth and ecology during vinification, characteristics of various wine microorganisms, and identification and prevention of spoilage. This course is not open to students who have received credit for AG 316. (Letter Grade or Pass/No Pass)

VEN 318 Advanced Winemaking
3.0 units
Acceptable for credit: D - Credit - Degree Applicable
Limitations on Enrollment: Must be 21 years old or older.
Prerequisite: VEN 101 - Introduction to Winemaking/Enology
Students will receive an advanced background in winemaking, in a lecture setting. Relevant winemaking issues are analyzed and discussed. The course will cover the principles of viticulture for winemaking, wine chemistry, principles and practices of making standard types of wines, with special reference to methods of

vinification and stability. A brief discussion of winemaking costs and alternatives is presented. This course is not open to students who have received credit for AG 318. (Letter Grade or Pass/No Pass)

VEN 320 Wine Tasting Room Sales
1.5 units
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: N/A
Presents all aspects of wine tasting room service and sales. Cellar clubs, selling techniques, wine vocabulary, and the laws and regulations of serving wine in California are covered. Legalities of shipping wine interstate and the various means of wine shipment are discussed. This course is not open to students who have received credit for AG 320. (Spring) (Letter Grade or Pass/No Pass)

VEN 321 Winemaking Operations III
2.0 units
Acceptable for credit: D - Credit - Degree Applicable
Limitations on Enrollment: Must be 21 years of age or older
Prerequisite: VEN 310 - Winemaking Operations I
The third course in a two year sequence, students are introduced to all practical winemaking from grape harvest through bottle aging, including specific winemaking procedures. This course is not open to students who have received credit for AG 321. (Fall) (Letter Grade or Pass/No Pass)

VEN 322 Winemaking Operations IV
2.0 units
Acceptable for credit: D - Credit - Degree Applicable
Limitations on Enrollment: Must be 21 years of age or older
Prerequisite: VEN 311 - Winemaking Operations II
The fourth course in a two year sequence (four semesters), students are introduced to all practical process of winemaking from grape harvest through bottle aging, including specific winemaking procedures such as stability treatments, personnel management, and wine packaging and quality control. This course is not open to students who have received credit for AG 322. (Letter Grade or Pass/No Pass)

VEN 323 Vineyard and Winery Evaluation
3.0 units
Acceptable for credit: D - Credit - Degree Applicable
Advisories: VEN 102 - Introduction to Viticulture ; and VEN 101 - Introduction to Winemaking/Enology
This course will include the data collection and process analysis of vineyards and wineries in the San Luis Obispo and Santa Barbara counties. The students and instructor will perform a comparative analysis of two local vineyard/winery operations, assessing a wide range of different variables ranging from soil conditions vineyard practices and winemaking to wine sales and product distribution. Students will present detailed reports at the end of the course with findings and suggestions to the management of the selected operations, addressing their specific concerns when applicable. (Letter Grade or Pass/No Pass)

VEN 324 Small Acreage Grapegrowing
1.0 unit
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: N/A
Learn about small vineyard establishment and maintenance. Topics include: selection of site, variety and rootstock, vineyard layout, irrigation, trellising, planting and pest control. This course is not open to students who have received credit for AG 324. (Fall, Spring) (Letter Grade or Pass/No Pass)

VEN 325 Vineyard Equipment Practices
1.0 unit
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: N/A
Limitations on Enrollment: Valid California Driver's License. Must be at least 18 years of age.
This is designed as an 8 week course to give agriculture students at Allan Hancock College a basic understanding of vineyard tractor application, service and the use of vineyard equipment. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

VEN 330 Harvest Boot Camp
0.5 units
Acceptable for credit: D - Credit - Degree Applicable
Limitations on Enrollment: Must be 18 years of age or older
Course provides a basic understanding of the vocabulary and procedures for harvesting both at the vineyard and at the winery. Efficiency and safety issues are addressed. Management principles encountered in the day-to-day harvest operation. This course is not open to students who have received credit for AG 330. (Letter Grade or Pass/No Pass)

VEN 331 Practical Wine Appreciation
0.5 units
Acceptable for credit: D - Credit - Degree Applicable
Limitations on Enrollment: Students must be 21 years old at the time of registering for the class.
Provides a basic understanding of wine varietal appreciation. Learn the descriptive language of wine and the basic components of wine appearance, aroma and flavor. Different wine varietals will be evaluated and discussed. The class consists of four separate two hour meetings for a total of eight hours. (Fall, Spring) (Letter Grade or Pass/No Pass)

Vocational Community Education (Noncredit)

VOCE 7018A Spanish in the Workplace
48.0 - 54.0 hours
Acceptable for credit: N - Noncredit
Prerequisite: TEEN Y
Students develop conversational skills to communicate effectively with Spanish speakers in the workplace. Topics include phrases and vocabulary for problem-solving, handling real-life situations, avoiding mishaps and misunderstandings, and on-the-job procedures leading to increased employee productivity and safety.

VOCE 7031A Career Lab
96.0 - 108.0 hours
Acceptable for credit: N - Noncredit
Prerequisite: TEEN Y

Visit this open-access lab to obtain guidance in determining career goals, developing a resume, or finding a job. Access computers, Internet resources, periodicals, videos, and office equipment necessary for a successful job search. After completing the initial lab orientation use the lab to fulfill your individual career objectives!

VOCE 7034A Welding Lab
0.0 hours
Acceptable for credit: N - Noncredit
Prerequisite: TEEN Y
This open-entry/open-exit laboratory is designed to provide students with the opportunity to refine and expand welding techniques. Students may be concurrently enrolled in credit welding classes. Basic welding skills are not taught in this class.

VOCE 7035A Jewelry Making and Repair
60.0 - 68.0 hours
Acceptable for credit: N - Noncredit
Repeatable: 99.00
Discover how easy it is to make a ring or pendant and perform simple jewelry repairs. Topics include jewelry restoration, restringing pearls or beads, silversmithing, and goldsmithing. (Fall, Spring, Summer) (Noncredit)

VOCE 7100 Computers and You: Level 1
28.0 - 36.0 hours
Acceptable for credit: N - Noncredit
Learn the basics of using a computer. Understanding computer lingo, what to look for when buying a computer and an introduction to Windows - opening and saving files, Word Processing and the Internet. (Fall, Spring, Summer) (Noncredit)

VOCE 7101 Computers and You: Level 2
28.0 - 36.0 hours
Acceptable for credit: N - Noncredit
Designed to build on the skills mastered in Computers and You Level 1. Includes Microsoft Word, Internet, basic Email skills (using Outlook.com), and an introduction to Excel and PowerPoint. (Fall, Spring, Summer) (Noncredit)

VOCE 7103 Introduction to the Internet
14.0 - 18.0 hours
Acceptable for credit: N - Noncredit
Navigate the exciting world of cyberspace. Learn the business and consumer uses of the internet, such as websites, blogs, maps and directions, podcasts and more. Learn the inner workings of the Internet, as well as an introduction to buying and selling online. (Fall, Spring, Summer) (Noncredit)

VOCE 7105 Intro to Microsoft Word
28.0 - 36.0 hours
Acceptable for credit: N - Noncredit
Designed for beginning to intermediate computer users who would like to learn many of the features of Word, while creating letters, certificates, flyers, labels and more. (Fall, Spring, Summer) (Satisfactory Progress)

VOCE 7107 Intro to Microsoft Excel
28.0 - 36.0 hours
Acceptable for credit: N - Noncredit
Students learn the basics of Excel: creating spreadsheets, formulas, charts, and more. (Fall, Spring, Summer) (Satisfactory Progress)

VOCE 7108 Computer Skills Lab
8.0 - 102.0 hours
Acceptable for credit: N - Noncredit
Designed for the person wanting to upgrade their computer skills. This is a great place to learn at your own pace using a manual or practice what you are learning in other computer classes. This lab allows for the flexibility of designing your own schedule by choosing the hours you wish to attend. (Fall, Spring, Summer) (Noncredit)

VOCE 7109 Microsoft Windows
14.0 - 18.0 hours
Acceptable for credit: N - Noncredit
Introduction to Windows, the most widely used computer operating system. Learn to customize the desktop, organize files, transfer files and photos from one device to another, perform basic photo editing, use OneDrive (cloud) services, and Windows Apps. (Fall, Spring, Summer) (Noncredit)

VOCE 7110 Social Media
14.0 - 18.0 hours
Acceptable for credit: N - Noncredit
Repeatable: 99.00
Learn how to use some of today's most popular Social Media. Some of the media covered will include Instagram, Facebook, Pinterest and Skype. (Fall, Spring, Summer) (Noncredit)

VOCE 7111 Email
14.0 - 18.0 hours
Acceptable for credit: C - Credit - Not Degree Applicable
Learn to use Microsoft Outlook E-mail, Calendaring, and Contacts functions. Learn to send and receive mail, add contacts, set appointments and reminders, create distribution groups, and more. (Fall, Spring, Summer) (Noncredit)

VOCE 7112 Intro to Microsoft PowerPoint
14.0 - 18.0 hours
Acceptable for credit: N - Noncredit
Students will learn the basics of creating PowerPoint slide shows for business, home and volunteer use. Students will create slides, and add pictures, animation, and music to their presentations. (Fall, Spring, Summer) (Noncredit)

VOCE 7113 Intro to Microsoft Publisher
14.0 - 18.0 hours
Acceptable for credit: N - Noncredit
Students will learn to create flyers, tri-folds, business cards, calendars, cards, envelopes and labels for business, volunteer, or home use. (Fall, Spring, Summer) (Satisfactory Progress)

VOCE 7405 Floral Seasonal Celebrations
6.0 - 18.0 hours
Acceptable for credit: N - Noncredit
Prerequisite: TEEN Y

Create a festive atmosphere in your home for the season through the use of fresh flowers, greenery, and decorative items. Design concepts such as color, line, texture, and shape are demonstrated. Projects include centerpieces, novelty designs, permanent botanicals, and fresh florals, all with a seasonal theme. Students create arrangements to take home weekly.

VOCE 7500 Beg. Tax and Record Keeping

1.0 - 6.0 hours

Acceptable for credit: N - Noncredit

Prerequisite: TEEN Y

Record keeping is the foundation of business success. Course topics include tax deduction basics, itemizing expenses, setting up filing systems, and tax ID information. This class is designed for new family child care providers.

VOCE 7502 Intro to Tax Preparation

19.0 hours

Acceptable for credit: N - Noncredit

This course introduces basic tax concepts and terminology needed to prepare simple federal/state income tax returns. Students must also enroll in VOCE 7503-Introduction to Income Tax Preparation Software and VOCE 7504-Income Tax Preparation Internship to complete the Income Tax Preparation certificate program. (Spring) (Satisfactory Progress)

VOCE 7503 Intro to Tax Prep Software

8.0 hours

Acceptable for credit: N - Noncredit

Corequisite: VOCE 7502 - Intro to Tax Preparation

This course provides interactive computerized training using the IRS-approved TaxSlayer federal/state income tax preparation software, under the supervision and coordination of a qualified instructor. Students must also enroll in VOCE 7502-Introduction to Income Tax Preparation and VOCE 7504-Income Tax Preparation Internship of the Income Tax Preparation certificate program. (Spring) (Satisfactory Progress)

VOCE 7504 Income Tax Prep Internship

40.0 hours

Acceptable for credit: N - Noncredit

Corequisite: VOCE 7502 - Intro to Tax Preparation ; and VOCE 7503 - Intro to Tax Prep Software

Limitations on Enrollment: Complete the IRS Basic Certification within the first week of class before preparing tax returns.

This internship provides 40 hours of supervised basic federal/state income tax return preparation hands-on experience utilizing the IRS TaxSlayer software for low-income families. Students must also enroll in, and complete, VOCE 7502-Introduction to Income Tax Preparation and VOCE 7503-Introduction to Income Tax Preparation Software which are the formal training aspects of the Income Tax Preparation certificate program. IRS Basic Certification: All volunteers in the VITA/TCE Program must take the Standards of Conduct training and pass the certification test. Volunteer tax return preparers must be certified to prepare taxes and perform quality reviews of returns. Students must pass the applicable course test - Basic, Advanced, Military, or International in order to perform these duties. All volunteers who prepare or review returns must be certified in Basic, at a minimum. Volunteers can stop at Basic or proceed with other courses and certification levels. Volunteers can only prepare and quality review tax returns for the level at which they have been certified. (https://www.irs.gov/individuals/volunteer-training-certification) (Spring) (Satisfactory Progress)

VOCE 7603A Landscape Construction

48.0 - 54.0 hours

Acceptable for credit: N - Noncredit

Prerequisite: TEEN Y

This course provides an overview of landscape construction and maintenance operations. Topics include landscape installation and maintenance, pruning methods, blueprint reading, cost estimates, pest control, landscape tools and equipment, and ornamental plant identification. Management problems surrounding recreation areas, parks, highways, and commercial and residential areas are also discussed.

VOCE 7615A Flower Gardening

48.0 - 54.0 hours

Acceptable for credit: N - Noncredit

Prerequisite: TEEN Y

Learn the basics of flower gardening including planting techniques, general care, and the planting calendar. Discussion covers the basic types of small-flowering plants: annuals, perennials, bulbs, roses, and wildflowers. Discover ways to maximize seasonal color with a special focus on using color and foliage texture to create an attractive garden and landscape.

VOCE 7619A Growing Vegetables and Herbs

48.0 - 54.0 hours

Acceptable for credit: N - Noncredit

Prerequisite: TEEN Y

Learn everything you need to know about growing vegetables and herbs on the Central Coast. Explore gardening basics, including growing vegetables and herbs from seed and harvesting. This class will help every level of gardener have the most productive garden imaginable.

VOCE 7621A Epicurean Kitchen Garden

48.0 - 54.0 hours

Acceptable for credit: N - Noncredit

Prerequisite: TEEN Y

Expand your gardening, cooking, and dining repertoires with a gardener's look at the fruits, nuts, vegetables, herbs, and berries that comprise local, national, and international cuisine. Explore garden-grown ingredients from cultures ranging from the Central Coast to those of Japan, Greece, and the Middle East. Each class meeting offers recipes to try at home.

VOCE 7622 Green Gardening: Beginning

25.0 hours

Acceptable for credit: N - Noncredit

This survey course combines discussion, demonstration, and interactive exercises to focus on resource conservation and pollution prevention in the landscape. This course builds upon existing skill sets to help professionals make a landscape as efficient, functional, and beautiful as possible. This course is the

first in a two-part series, and is a prerequisite for Green Gardening: Advanced. (Fall, Spring, Summer) (Satisfactory Progress)

VOCE 7623 Green Gardening: Advanced

25.0 hours

Acceptable for credit: N - Noncredit

This course combines discussion, demonstration, and interactive exercises to develop detailed skill sets focused on resource conservation and pollution prevention in the landscape. The course builds upon the skills taught in the Green Gardening: Beginning to help professionals make a landscape as efficient, functional, and beautiful as possible, and to distinguish their services in a competitive market. This course is the second in a two-part series, and follows Green Gardening: Beginning. (Fall, Spring, Summer) (Noncredit)

VOCE 7700 Careers in Culinary Arts and Hospitality

12.0 - 14.0 hours

Acceptable for credit: C - Credit - Not Degree Applicable

Is a career in hospitality or culinary arts right for you? Are you currently employed and interested in advancing in the field? Chefs, bakers, managers, nutritionists, food scientists, buyers, and sommeliers are in high demand, and the career possibilities in the hospitality and culinary arts industry are limitless. In this short-term introductory course, learn about careers in the hospitality industry, paths to career advancement, and identify which career suits your skills and interests. The class will explore front of the house including managers, concierge, and service as well as back of the house, chefs, prep cooks, purchasing, business, and industry operations as well as identify the skill set and personality traits required. See if a career in hospitality is right for you. (Fall, Spring, Summer) (Noncredit)

VOCE 7701 Kitchen Basics ICCA

24.0 - 27.0 hours

Acceptable for credit: N - Noncredit

Learn the fundamentals of food preparation including terminology, equipment, and techniques in this introductory course designed for individuals working in a kitchen, interested in starting a home-based culinary business, or who wish to improve their kitchen skills. Emphasis is on basic kitchen skills including food safety and sanitation, creating an efficient and safe workspace and kitchen weights and measures. Specific content includes knife skills, understanding ingredients, reading, scaling, and implementation of recipes. Students will be prepared to obtain a food handlers license. (Fall, Spring, Summer) (Pass/Satisfactory Progress/No Pass)

VOCE 7702 Introduction to Baking

16.0 - 18.0 hours

Acceptable for credit: N - Noncredit

Explore the amazing science and artistry of baking. This class introduces the student to the basic baking skills and procedures used in commercial bakeries. Gain practical experience in the production of quick breads, cookies, cakes and frostings in a professional kitchen setting. (Fall, Spring, Summer) (Satisfactory Progress)

VOCE 7703 Introduction to Cooking

24.0 - 27.0 hours

Acceptable for credit: N - Noncredit

Explore the workings of commercial kitchen operations in this introductory class designed to develop basic skills in the preparation of eggs, soups, vegetables, starches and grains, poultry and meats. Students learn about the many culinary positions available in a commercial kitchen while exploring their talents and interests. (Fall, Spring, Summer) (Pass/Satisfactory Progress/No Pass)

VOCE 7704 Understanding California Cottage Law

12.0 - 13.5 hours

Acceptable for credit: N - Noncredit

Explore the possibilities of creating a legal at-home workspace for food production. Learn the details of Class A and B licensing procedures, including requirements regarding employees, labeling, sales, and distribution. Covers permitted foods and workplace restrictions and the review of relevant federal food codes. (Fall, Spring) (Pass/Satisfactory Progress/No Pass)

VOCE 7705 Culinary Business Fundamentals

24.0 - 27.0 hours

Acceptable for credit: N - Noncredit

This class presents the legalities required in a cottage industry culinary business including the process and expense involved in obtaining business and fictitious business name licenses, liability insurance, and health department permits. Students will be introduced to contracts, agreements, expiration dates, packaging requirements, and return policies. (Fall, Spring) (Satisfactory Progress)

VOCE 7706 Marketing, Branding and Packaging

12.0 - 13.5 hours

Acceptable for credit: N - Noncredit

Learn the basics of developing a marketing plan including business name and logo design, advertising, promotion, and networking. This class will introduce techniques for understanding your product, customers, competition, and and how your product fits into the market. Instruction on the packaging and labeling requirements of the CA Cottage Law will be included as well as research into direct and indirect sales opportunities and appropriate venues. (Fall, Spring, Summer) (Satisfactory Progress)

VOCE 7707 Culinary Skills Development

12.0 - 13.5 hours

Acceptable for credit: N - Noncredit

Perfect your cooking skills and products. Students will receive assistance by professional chefs in perfecting recipes and menus to consistently create products using the most efficient and cost effective ingredients and production methods. Class will include lab time for one on one instruction. (Fall, Spring, Summer) (Pass/Satisfactory Progress/No Pass)

VOCE 7708 Baking Skills Development

12.0 - 13.5 hours

Acceptable for credit: N - Noncredit

Perfect your baking skills and products. Students will receive guidance from a professional chef to perfect recipes and menus to consistently create products using the most efficient and cost effective ingredients and production methods. Class will include lab time for one on one instruction. (Fall, Spring, Summer) (Pass/Satisfactory Progress/No Pass)

VOCE 7800 Commercial Truck Driving: Preparation for the Learner's Permit

56.0 - 64.0 hours
Acceptable for credit: N - Noncredit
Advisories: ELDN 7470 - High Intermediate
This course prepares students to take the knowledge test required to obtain a California Commercial Learner's Permit. (Fall, Spring, Summer) (Satisfactory Progress)

VOCE 7801 Commercial Truck Driving: Behind-the-Wheel Training

160.0 - 180.0 hours
Acceptable for credit: N - Noncredit
Limitations on Enrollment: Students must be 1) over 21 years of age, 2) submit an authorized Medical Examination Report, and 3) have a valid California driver's license at the time of registration. Individuals wishing to haul hazardous materials must pass a Transportation Security Administration (TSA) background check.
Prerequisite: VOCE 7800 - Commercial Truck Driving: Preparation for the Learner's Permit
This course prepares students to take the road test required to obtain a California Commercial Driver's License – Class A or B. Upon completion of the course and passing the road test, students are prepared for an entry-level position in the trucking industry. A Certificate of Completion is awarded to students who perform 80% or higher on all competency tests and pass the California Commercial Driver's License – Class A or B test. (Noncredit)

Veterinary Technology

VT 102 Introduction to Animal Feeding and Nutrition

3.0 units
Acceptable for credit: Limited transfer to CSU
C-ID Course Number: N/A
The science of animal nutrition; the fundamentals of digestion and absorption in both ruminants and non-ruminants are discussed. The nutritive value of feedstuffs as they relate to the formulation of animal rations will be emphasized. Laboratory required. Field trips may be required. (Spring) (Letter Grade or Pass/No Pass)

VT 300 Introduction to Veterinary Technology

2.0 units
Acceptable for credit: D - Credit - Degree Applicable
Advisories: ENGL 101 - Freshman Composition: Exposition
This course introduces students to the field of veterinary technology. It will provide an overview of the various roles and responsibilities of the veterinary team. Basic animal nursing skills and clinical procedures are introduced. Topics will include veterinary medical terminology, diagnostic procedures, and veterinary medical and surgical nursing care. (Fall, Spring) (Letter Grade or Pass/No Pass)

VT 301 Veterinary Anatomy, Physiology and Terminology

3.0 units
Acceptable for credit: D - Credit - Degree Applicable
Advisories: ENGL 101 - Freshman Composition: Exposition
Limitations on Enrollment: Acceptance into the Veterinary Technology Program
Prerequisite: BIOL 100 - Introductory Biology ; and CHEM 120 - Introductory Chemistry
This course introduces the biology of animals, the chemistry of life and medical terminology used in veterinary medicine. It includes the study of basic normal anatomy and physiology (in both large and small animals) in a body systems format, along with related vocabulary and spelling. Commonly used veterinary acronyms and abbreviations are woven throughout the course where relevant. (Fall, Spring) (Letter Grade Only)

VT 302 Veterinary Office Procedures

2.0 units
Acceptable for credit: D - Credit - Degree Applicable
Advisories: ENGL 101 - Freshman Composition: Exposition
Limitations on Enrollment: Acceptance into the Veterinary Technology Program.
This course covers the various roles of the veterinary health care team including veterinary hospital record management, client and interpersonal communication, medical terminology, and legal, ethical, and safety issues. (Fall, Summer) (Letter Grade Only)

VT 303 Veterinary Pharmacology

2.0 units
Acceptable for credit: D - Credit - Degree Applicable
Advisories: ENGL 101 - Freshman Composition: Exposition
Limitations on Enrollment: Acceptance into the Veterinary Technology Program.
This course covers basic concepts in veterinary pharmacology, including the chemistry of pharmaceuticals and biologics commonly used in the maintenance of animal health. It also includes generic terminology, abbreviations for prescriptions, labeling requirements, state and federal laws, classification of materials, weights and measures, drug dosage flow rates, pharmacological mathematics and the metric system, side effects and drug interactions, and the safe handling of biohazardous material. (Letter Grade Only)

VT 304 Clinical Pathology and Microbiology

3.0 units
Acceptable for credit: D - Credit - Degree Applicable
Advisories: ENGL 101 - Freshman Composition: Exposition
Limitations on Enrollment: Acceptance into the Veterinary Technology Program.
Prerequisite: BIOL 100 - Introductory Biology
This course introduces students to the expansive field of clinical pathology and microbiology. Topics include bacteriology, clinical chemistry, urinalysis, cytology, hematology, internal and external parasites, immunology, and serology. (Fall, Spring) (Letter Grade Only)

VT 305 Medical Nursing and Animal Care
4.0 units
Acceptable for credit: D - Credit - Degree Applicable
Advisories: ENGL 101 - Freshman Composition: Exposition
Limitations on Enrollment: Acceptance into the Veterinary Technology Program.
Prerequisite: VT 301 - Veterinary Anatomy, Physiology and Terminology or RVT 301
This course covers diseases and animal nursing including animal examination, handling, and restraint of various species used in an animal hospital setting; including sanitation, administration of medicine, emergency treatment and critical care, diagnostic and therapeutic techniques, venipuncture, electrocardiology, application of casts, splints and other appliances. It includes zoonotic diseases, their causes and effects, and immunology of animals. (Spring) (Letter Grade Only)

VT 306 Surgical Nursing and Dentistry
4.0 units
Acceptable for credit: D - Credit - Degree Applicable
Advisories: ENGL 101 - Freshman Composition: Exposition
Limitations on Enrollment: Acceptance into the Veterinary Technology Program.
Prerequisite: VT 301 - Veterinary Anatomy, Physiology and Terminology
This course covers surgical nursing, assisting and instrumentation, surgical preparation, suturing techniques, post-operative care, anesthesia instrumentation, induction and monitoring, dental prophylaxis and extractions, IV catheter placement, sterilization of equipment and the maintenance of an aseptic environment. (Spring) (Letter Grade Only)

VT 307 Veterinary Radiology and Radiation Safety
2.0 units
Acceptable for credit: D - Credit - Degree Applicable
Advisories: ENGL 101 - Freshman Composition: Exposition
Limitations on Enrollment: Acceptance into the Veterinary Technology Program.
This course provides an introduction to the study of radiology, diagnostic imaging and equipment used in veterinary practices, radiation safety, and the safe operation of radiographic equipment. It includes image capture and processing, and patient positioning. (Fall, Spring) (Letter Grade Only)

VT 308 Introductory Clinical Laboratory Techniques
3.0 units
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: N/A
Studies of the laboratory techniques and procedures employed in evaluating clinical diagnostic samples. Emphasis will be placed on procedures common to veterinary medicine including hematology, serum chemistry, urinalysis, cytology, immunology, parasitology and microbiology. (Fall) (Letter Grade or Pass/No Pass)

Work Experience Education

WEE 149 Work Experience Education: Occupational
1.0 - 8.0 units
Acceptable for credit: Transfer CSU
C-ID Course Number: N/A
Limitations on Enrollment: To participate in Cooperative Work Experience: (1) students must be working at a job within their major, (2) students must be able to become involved in new or expanded responsibilities on the job, (3) the employer must be willing to cooperate with the college in the supervision and evaluation of the student and (4) the student must attend all coordination/consultation meetings in addition to other work and class responsibilities. NUMBER OF TIMES COURSE CAN BE REPEATED: Students enrolled in CWE 149 may earn up to 8 units of credit per semester not to exceed 16 units in total. Any units earned in any other Cooperative Work Experience course will be included in the 16 unit maximum. CWE Units Unpaid Placement: 1 unit 60 hours, 2 units 120 hours, 3 units 180 hours, 4 units 240 hours, 5 units 300 hours, 6 units 360 hours, 7 units 420 hours, 8 units 480 hours. CWE Units Paid Placement: 1 unit 75 hours, 2 units 150 hours, 3 units 225 hours, 4 units 300 hours, 5 units 375 hours, 6 units 450 hours, 7 units 525 hours, 8 units 600 hours.
Supervised employment extending classroom-based learning to an on-the-job learning environment relating to the student's career and educational goals. In addition, these work experiences improve the student's basic work skills and professional competencies by creating career awareness, improving work habits, and fostering positive workplace attitudes. (Fall, Spring, Summer) (Letter Grade or Pass/No Pass)

WEE 302 Work Experience Education General
1.0 - 6.0 units
Acceptable for credit: D - Credit - Degree Applicable
Limitations on Enrollment: To participate in Cooperative Work Experience: (1) students must be working at a job within their major, (2) students must be able to become involved in new or expanded responsibilities on the job, (3) the employer must be willing to cooperate with the college in the supervision and evaluation of the student and (4) the student must attend all coordination/consultation meetings in addition to other work and class responsibilities. NUMBER OF TIMES COURSE CAN BE REPEATED: Students enrolled in CWE 302 may earn up to 6 units of credit per semester not to exceed 16 units in total. Any units earned in any other Cooperative Work Experience course will be included in the 16 unit maximum. The following formula is used to determine the number of units to be awarded in cooperative work experience courses: CWE Units Unpaid Placement 1 unit = 60 hours 2 units = 120 hours 3 units = 180 hours 4 units = 240 hours 5 units = 300 hours 6 units = 360 hours CWE Units Paid Placement 1 unit = 75 hours 2 units = 150 hours 3 units = 225 hours 4 units = 300 hours 5 units = 375 hours 6 units = 450 hours
Supervised employment extending classroom-based learning to an on-the-job learning environment not directly related to the student's career and educational goals. In addition, these work experiences improve the student's basic work skills

and professional competencies by creating career awareness, improving work habits, and fostering positive workplace attitudes. (Fall, Spring) (Letter Grade or Pass/No Pass)

Wildland Fire Technology

WFT 101 Wildland Fire Behavior
3.0 units
Acceptable for credit: Transfer CSU
Advisories: WFT 302 - Basic Incident Command System I-200
A study of wildland fire behavior. Topics include influences that affect basic wildland fire behavior, the seven factors that must be continuously monitored in making wildland fire behavior predictions, and identification of the tools necessary to make spot fire behavior predictions. (Spring) (Letter Grade or Pass/No Pass)

WFT 102 Wildland Firefighter Safety and Survival
3.0 units
Acceptable for credit: Transfer CSU
Advisories: WFT 302 - Basic Incident Command System I-200
An exploration of the situations and conditions that result in fire shelter deployments, serious injuries and fatalities for wildland firefighters. (F) (Letter Grade or Pass/No Pass)

WFT 103 Wildland Fire Operations
3.0 units
Acceptable for credit: Transfer CSU
Advisories: WFT 302 - Basic Incident Command System I-200
An exploration of the command structure and operational processes for ground and air operations in the control of wildland fires. (Spring) (Letter Grade Only)

WFT 104 Wildland Public Information Officer, Prevention, and Investigation
3.0 units
Acceptable for credit: Transfer CSU
Advisories: WFT 302 - Basic Incident Command System I-200
Presents the roles and functions of the information officer, emphasizing fire prevention and investigation communications. (Fall) (Letter Grade Only)

WFT 105 Wildland Fire Planning, Logistics, and Finance
3.0 units
Acceptable for credit: Transfer CSU
Advisories: WFT 302 - Basic Incident Command System I-200
Explores the roles, responsibilities and functions of the planning, logistics, and finance sections that are utilized during the control of wildland fires. (Spring) (Letter Grade Only)

WFT 301 Introduction to Incident Command System IS700 and IS800
0.5 units
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: N/A
An introduction to the principles of the Incident Command System, its structures and terminology. (A) (Letter Grade or Pass/No Pass)

WFT 302 Basic Incident Command System I-200
0.5 units
Acceptable for credit: D - Credit - Degree Applicable
Advisories: WFT 301 - Introduction to Incident Command System IS700 and IS800
A continuation of Wildland Fire Technology 301 providing a basic introduction to the Incident Command System (ICS). Develops the foundation necessary for the student to participate as a member of a wildland fire incident. Topics include the principles and features of ICS, an organizational overview, incident facilities, incident resources, and common responsibilities. (A) (Pass/No Pass)

WFT 303 Intermediate Incident Command System I-300
1.5 units
Acceptable for credit: D - Credit - Degree Applicable
Advisories: WFT 302 - Basic Incident Command System I-200
A study of the organizational elements within each section of the ICS, staffing considerations, and reporting relationships. Not open to students who are enrolled in or who have completed EMS 313. (Pass/No Pass)

WFT 304 Advanced Incident Command System I-400
1.0 unit
Acceptable for credit: D - Credit - Degree Applicable
Advisories: WFT 303 - Intermediate Incident Command System I-300
A course of study that pertains to ICS relationships and duties of command staff members, Agency Representatives, and activation of the command general staff. Not open to students who are enrolled in or who have completed EMS 314. (A) (Pass/No Pass)

WFT 305 Firefighter Training S-130
2.0 units
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: n/a
Course of study designed to train new firefighters in basic firefighting skills and the knowledge necessary to effectively handle wildland firefighting situations. (Letter Grade or Pass/No Pass)

WFT 306 Advanced Firefighter Training S-131
0.5 units
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: n/a
Course of study that provides advanced wildland firefighting training and education for those who wish to become qualified in the first level supervision position of advanced firefighter/squad boss. (Letter Grade or Pass/No Pass)

WFT 307 Introduction to Wildland Fire Behavior S-190
0.5 units
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: n\a
Course of study that provides an introduction to wildland fire behavior issues that are important to wildland fire spread and

safety to firefighters involved in suppression. (Letter Grade or Pass/No Pass)

WFT 308 Initial Attack Commander ICT S-200
1.5 units
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: n/a
Course of study designed for the initial attack commander of small non-complex wildland fires the ability to safely suppress the fire within the guidelines of the incident command system and agency guidelines. (Letter Grade or Pass/No Pass)

WFT 309 Fire Operations in the Urban Interface S-215
1.0 unit
Acceptable for credit: D - Credit - Degree Applicable
A course of study to prepare initial attack incident commanders and company officers to effectively deal with wildland fires that threaten life, property, and improvements. (Letter Grade or Pass/No Pass)

WFT 310 Portable Pumps and Water Use S-211
1.5 units
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: n/a
Course of study for firefighters to gain competency in the use of portable pumps and water in wildland fire fighting. (Letter Grade or Pass/No Pass)

WFT 311 Wildfire Powersaws S-212
1.5 units
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: n/a
Course for those planning to operate, or directly supervise, the operation of chain saws on wildfires. (Letter Grade or Pass/No Pass)

WFT 312 Firing Operations S-219
2.0 units
Acceptable for credit: D - Credit - Degree Applicable
The application of safety considerations involved in a firing operation. Topics include planning, ignition procedures and techniques and equipment applicable to wildland and prescribed fire. The role of the ignition specialist or firing boss as the organization manages escalation from non-complex to a complex fire situation will also be addressed. (Letter Grade or Pass/No Pass)

WFT 313 Crew Boss S-230
1.5 units
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: n/a
Course is designed to identify the hazards and risks on wildland fires and teach the tactics which are appropriate for the crew boss during various wildland fire situations. The course also identifies crew boss responsibilities prior to and during mobilization, on the incident and during demobilization. (Letter Grade or Pass/No Pass)

WFT 314 Engine Boss S-321
0.5 units
Acceptable for credit: D - Credit - Degree Applicable
Course designed to prepare advanced firefighters/squad bosses with the ability to understand and function as an engine boss in the control of wildland fires. This course presents the issues of tactics and safety in the control of wildland fires, and identifies the mobilization and demobilization procedures of a engine crew on a wildland fire incident. (Letter Grade or Pass/No Pass)

WFT 315 Heavy Equipment Boss S-236
1.0 unit
Acceptable for credit: D - Credit - Degree Applicable
Course is designed to prepare advanced firefighters/squad bosses with the ability to understand and function as a dozer boss in the control of wildland fires. Topics include the issues of tactics and safety in the control of wildland fires and identifies the mobilization and demobilization procedures of a dozer on a wildland fire incident. (Letter Grade or Pass/No Pass)

WFT 316 Field Observer S-244
2.0 units
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: n/a
Provides the necessary skills to function as a field observer on a wildland fire incident. The use of various types of maps in wildland fire control will be emphasized. (Letter Grade or Pass/No Pass)

WFT 318 Status/Check-In Recorder S-248
0.5 units
Acceptable for credit: D - Credit - Degree Applicable
Presents how to record information on location and status of equipment, record information of personnel on appropriate forms, and develop organization charts and assignments lists based on information recorded. (Letter Grade or Pass/No Pass)

WFT 319 Fire Business Management Principles S-260
1.0 unit
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: n/a
This course of study is designed to teach the basic concepts of fiscal management of wildland fire incidents. It includes correct and fiscally sound personnel and equipment procurement, time recording, and proper documentation. (Letter Grade or Pass/No Pass)

WFT 320 Applied Business Management Principles S-261
1.5 units
Acceptable for credit: D - Credit - Degree Applicable
This course of study presents an understanding of the fiscal issues of wildland firefighting. It includes employee responsibilities and conduct, be able to recruit personnel and equipment for wildland firefighting, and provide fiscally sound equipment and personnel time recording. (Letter Grade or Pass/No Pass)

WFT 321 Basic Air Operations S-270
1.0 unit
Acceptable for credit: D - Credit - Degree Applicable
C-ID Course Number: n/a

This course covers aircraft types and capabilities, aviation management and safety for flying in and working with agency aircraft, tactical and logistical uses of aircraft, and requirements for helicopter take-off and landing areas. Note: The regulations, procedures and policies addressed in this course are primarily those governing federal agency and ICS operations. State, county, or other political subdivisions using this course will need to consult their agency having jurisdiction with respect to regulations, procedures and policies. (Letter Grade or Pass/No Pass)

WFT 323 Extended Attack Incident Commander S-300

1.0 unit

Acceptable for credit: D - Credit - Degree Applicable

The course includes what is required to take over the command of the wildland fire incident, what is entailed in a complete and up-to-date incident briefing prior to taking control of the incident, and to determine when the incident commander will assume command of an incident. (Letter Grade or Pass/No Pass)

WFT 324 Task Force/Strike Team Leader S-330

1.5 units

Acceptable for credit: D - Credit - Degree Applicable

C-ID Course Number: n/a

Topics include utilization of increments of equipment in saving lives and property, and to develop the skills necessary to supervise the various types of equipment in wildland fire control. (Letter Grade or Pass/No Pass)

WFT 325 Division/Group Supervisor S-339

1.0 unit

Acceptable for credit: D - Credit - Degree Applicable

C-ID Course Number: n/a

A course of study for Initial Attack Incident Commanders, Task Force/Strike Team Leaders to be able to function as a Division/ Group Supervisor on a wildland fire incident. The course defines and differentiates between the division and group supervisor positions, and teaches the difference between the two positions. The relationships of Division/Group Supervisor is contrasted with Strike Team Leader, Task Force Leader, and Initial Attack Incident Commander. (Letter Grade or Pass/No Pass)

WFT 326 Air Support Group Supervisor S-375

2.0 units

Acceptable for credit: D - Credit - Degree Applicable

C-ID Course Number: n/a

The course identifies the duties of the Air Support Group Supervisor, who is primarily responsible for supporting and managing logistical support for helibase and helispot operations. The course identifies resource/supplies dispatched for air support group, requests special air support items from appropriate sources through logistics section, determines need for assignment of personnel and equipment at each helibase and helispot, and maintains coordination with airbases supporting the incident. (Letter Grade or Pass/No Pass)

WFT 327 Introduction to Wildland Fire Behavior Calculations S-390

2.0 units

Acceptable for credit: D - Credit - Degree Applicable

C-ID Course Number: n/a

Topics include local and regional fire behavior issues that are critical to wildland firefighting, comparison of the effects of daytime solar radiation and nighttime heat losses from various sources, descriptions of their effects on wildland fire behavior. The relationship among general, local (convective), 20-foot, and mid-flame winds is presented along with a description of how topography affects fuels and their availability for combustion. How to determine spotting components, safety zone requirements, plotting fire size and shape, point source calculations, extreme fire behavior, and documentation required for briefings for fire line safety are also covered. (Letter Grade or Pass/No Pass)

WFT 328 Safety Officer S-404

2.0 units

Acceptable for credit: D - Credit - Degree Applicable

C-ID Course Number: n/a

Topics include how to make recommendations that will address those risks or hazards with the highest potential for accidents or injury and follow through with those of lesser degree, how to develop and present alternatives, and present issues related to direct intervention to immediately correct a dangerous situation. (Letter Grade or Pass/No Pass)

WFT 329 Air Operations Branch Director S-470

2.0 units

Acceptable for credit: D - Credit - Degree Applicable

C-ID Course Number: n/a

A detailed study of the ICS aviation organization. It includes understanding the latest regional aviation program and direction, the ability to apply the latest aviation tools and equipment used in the suppression of wildfires, application of the principles of safety when using aviation resources, recognition of the importance of following aviation regulation when using call-when-needed aircraft, and interaction among the aviation organization on an incident. (Letter Grade or Pass/No Pass)

WFT 330 Followership to Leadership L-280

1.0 unit

Acceptable for credit: D - Credit - Degree Applicable

C-ID Course Number: n/a

Designed as a self-assessment opportunity for individuals preparing for a leadership role. Topics include leadership values and principles, transition challenges for new leaders, situational leadership, teambuilding, and ethical decision-making. (Letter Grade or Pass/No Pass)

WFT 331 Incident Leadership L-381

2.0 units

Acceptable for credit: D - Credit - Degree Applicable

C-ID Course Number: n/a

Presents leadership development training for incident response personnel who will function in fireline command roles. Topics include the leadership tools to effectively exert command and control over a quickly assembled team in a time constrained and rapidly changing incident environment. (Letter Grade or Pass/No Pass)

WFT 332 Facilitative Instructor M-410
2.0 units
Acceptable for credit: D - Credit - Degree Applicable
This course of study is to provide experienced wildland firefighting personnel with technical competence in fire management and other disciplines to become effective adult education instructors. (Letter Grade or Pass/No Pass)

WFT 333 Prescribed Fire Implementation RX-301
2.0 units
Acceptable for credit: D - Credit - Degree Applicable
A study of the requirements and components for developing burn prescriptions and operational plans. Topics include identification of burning techniques applied to meet burn plan requirements, execution of the operational plan meeting local management objectives, smoke dispersal, and visibility objectives within public health standards. (Letter Grade or Pass/No Pass)

WFT 334 Introduction to Fire Effects RX-310
2.0 units
Acceptable for credit: D - Credit - Degree Applicable
This course of study present an understanding of land use activity and controlled fire situations. This course includes a description of fire as an ecological process, applications and limitations of fire use, first order fire effects and how to measure them, and the interaction of fire characteristics on natural and cultural resource components that determines first order fire effects. (Letter Grade or Pass/No Pass)

WFT 335 Prescribed Fire Plan Preparation RX-341
2.0 units
Acceptable for credit: D - Credit - Degree Applicable
This course of study is for experienced prescribed Fire Managers and Prescribed Fire Behavior Analysts, and presents in detail the legal, professional, and ethical reasons for managing smoke. (Letter Grade or Pass/No Pass)

Wildland Fire Technology Logistics

WFTL 310 Display Processor S-245
0.5 units
Acceptable for credit: D - Credit - Degree Applicable
Advisories: WFT 302 - Basic Incident Command System I-200
Presents information to enable the student to be able to function as a display processor on a wildland fire incident. Includes how to determine logistical needs, including work materials and work area, how to identify sources of information and collect data, and to identify and be able to create required maps, overlays and displays. (Pass/No Pass)

Wildland Fire Technology Operations

WFTO 332 Intermediate Wildland Fire Behavior S-290
2.0 units
Acceptable for credit: D - Credit - Degree Applicable
Advisories: WFT 305 - Firefighter Training S-130 ; WFT 307 - Introduction to Wildland Fire Behavior S-190
Provides the necessary knowledge to develop fire behavior for effective and safe fire management operations. Topics include how changes in fuels and topography can provide full and partial barriers to the spread of wildland fires and explain the chimney effect in canyon topography. (Pass/No Pass)

WFTO 399A Dispatch Recorder D-110
0.5 units
Acceptable for credit: D - Credit - Degree Applicable
Advisories: WFT 101 - Wildland Fire Behavior
This course of study is designed to train potential dispatch recorders on the structure of an expanded dispatch organization and effectively perform with that organization. (Letter Grade or Pass/No Pass)

Workforce Preparation (Noncredit)

WKPR 7000 Planning Your Next Job/Career
2.0 - 8.0 hours
Acceptable for credit: N - Noncredit
This course is designed for individuals who wish to explore new approaches to work and career opportunities. Students examine their work histories, identify marketable employment skills, and develop work-related goals. (Fall, Spring, Summer) (Satisfactory Progress)

WKPR 7001 Planning a Job Search
2.0 - 8.0 hours
Acceptable for credit: N - Noncredit
In this course, students have an opportunity to plan a job search strategy based on their life and work goals, their strengths, and past experiences. Students construct a resume from the "bottom up" and a systematic campaign for marketing themselves in a competitive job market. (Fall, Spring, Summer) (Satisfactory Progress)

WKPR 7002 Impression Management
2.0 - 8.0 hours
Acceptable for credit: N - Noncredit
In this course, students learn impression management concepts that apply to the workplace and life in general. Emphasis is on managing the interview and the job search process as well as using impression management to accomplish career goals. (Fall, Spring, Summer) (Satisfactory Progress)

WKPR 7005 Professional Workplace Skills
36.0 - 48.0 hours
Acceptable for credit: N - Noncredit
Learn the skills that are essential to success in the workplace. Professional skills are the qualities, habits, attitudes that make someone a good employee and compatible to work with. It is estimated that 15% of someone’s workplace or career success comes from their technical skills and knowledge, while 85% comes from their ability to get along with people. Get these skills so that you can get a job, be promoted, or retain an existing job. (Noncredit)

WKPR 7006 Practical Workplace Skills
36.0 - 48.0 hours

Acceptable for credit: N - Noncredit
Get the tools you need to find a job, apply for it, and successfully ace the interview. Gain skills to help you keep a job once you secure one, by learning to recognize and solve common workplace problems. Using examples provided by employers, such as issues with quality, quantity, and customer satisfaction, students develop the ability, skills, and knowledge needed to overcome these issues. This class combines education and job skills training to improve your employability. (Noncredit)

WKPR 7007 Technical Workplace Skills
36.0 - 48.0 hours
Acceptable for credit: N - Noncredit
Technical skills can dazzle and impress a prospective employer. When crafting a resume, these skills—customer service, planning and organization, experience with tools and technology, attention to detail, operational excellence, and sustainable practices and safety—are valued by all employers. Sharpen these job skills in this class so you can confidently list these qualities on your resume. (Noncredit)

Welding Technology

WLDT 106 Beginning Welding
3.0 units
Acceptable for credit: Transfer CSU
A course in the theory, practice, and application of various metal joining processes, including oxyacetylene welding, brass brazing, flame cutting, and electric arc processes including SMAW, and a brief introduction to both GTAW (Tig) and GMAW (Mig) welding. (Fall, Spring) (Letter Grade or Pass/No Pass)

WLDT 107 Advanced Welding
3.0 units
Acceptable for credit: Transfer CSU
Prerequisite: WLDT 106 - Beginning Welding
A continuation of WLDT 106, emphasizing position welding of a variety of ferrous metals, using a variety of electrodes used in industries. (Fall, Spring) (Letter Grade or Pass/No Pass)

WLDT 189 Independent Projects
0.0 units
Acceptable for credit: Transfer CSU
Courses for students capable of independent work who demonstrate the need or desire for additional study beyond the regular curriculum. Enrollment allows students to pursue activities such as directed field experience, research, or development of skills and competencies under faculty advisement and supervision. Independent projects may be earned in most disciplines. Students wishing to enroll in Independent Projects should contact the appropriate instructor identified in the class schedule. If the project proposed is acceptable to that instructor, a contract will be developed. All contracts for these classes must be completed and submitted to the Records Office no later than the end of the second week of the semester. Students may enroll for any combination (unit value) of Independent Projects 189 and/or 389 for a total of four semesters in a specific discipline. Units are awarded depending upon satisfactory performance and the amount of time committed by the student to the course. Allowable units vary according to discipline, and are based on the following formula: 1 unit - 48 hours per semester 2 units - 96 hours per semester 3 units - 144 hours per semester (Letter Grade or Pass/No Pass)

WLDT 199 Special Topics in Welding Technology
0.5 - 3.0 units
Acceptable for credit:
- (Letter Grade or Pass/No Pass)

WLDT 300 Shop Math and Measurement
3.0 units
Acceptable for credit: D - Credit - Degree Applicable
An introduction to the mathematics used in the Industrial Technology programs. Students will learn to solve problems using fractions, decimals, percentage, ratios and basic geometric shapes. Students will learn about the Cartesian coordinate system and how to use a variety of basic and precision measuring tools from rulers and tape measures to calipers and micrometers. This course is not open to students who have received credit for AB 381 or AT 381 or ET 381 or MT 381. (Fall, Spring) (Letter Grade or Pass/No Pass)

WLDT 301 Selected Welding Project
1.0 unit
Acceptable for credit: D - Credit - Degree Applicable
Projects selected by the student upon the recommendation of any faculty member and developed under the direct counseling and guidance of the instructional staff in the Welding Technology disciplines. All work is completed within the welding facilities under the direct supervision of the responsible instructor. The student will develop the skills necessary to complete the project. (F,S) (Fall, Spring) (Letter Grade or Pass/No Pass)

WLDT 305 Welded Sculptural Projects
1.0 unit
Acceptable for credit: D - Credit - Degree Applicable
The course is an introduction to fundamentals of conceptualizing sculptural forms and fabricating these forms using shop mechanics and tools. Students will develop skill techniques of cutting, forming, forging, welding and finishing ferrous metal. (Fall, Spring) (Letter Grade or Pass/No Pass)

WLDT 306 Layout and Fabrication Interpretation
3.0 units
Acceptable for credit: D - Credit - Degree Applicable
Prerequisite: WLDT 106 - Beginning Welding CR C
Enables the student welders to interpret working drawings and shop drawings. Students will sketch fabrication and layout schemes for welding and jigs and/or assembly of small projects. (Fall, Spring) (Letter Grade or Pass/No Pass)

WLDT 307 G.M.A.W. Welding
3.0 units
Acceptable for credit: D - Credit - Degree Applicable
Prerequisite: WLDT 106 - Beginning Welding CR C
Provides students with the theory and practical applications of gas metallic arc welding (G.M.A.W.), and the operation of gas metal arc welding equipment. (Spring) (Letter Grade or Pass/No Pass)

WLDT 308 T.I.G. Welding
3.0 units
Acceptable for credit: D - Credit - Degree Applicable
Prerequisite: WLDT 106 - Beginning Welding CR C
Provides students with the theory and practical applications of gas tungsten arc welding (GTAW) and the operation of gas tungsten arc welding equipment. (Fall, Spring) (Letter Grade or Pass/No Pass)

WLDT 309 Mini MIG (GMAW)
1.0 unit
Acceptable for credit: D - Credit - Degree Applicable
This course will give students enough MIG welding background to weld in metal sculpture and ornamental iron classes using 110 power MIG welders. (Letter Grade or Pass/No Pass)

WLDT 312 Pipe Fitting and Welding
3.0 units
Acceptable for credit: D - Credit - Degree Applicable
Prerequisite: WLDT 107 - Advanced Welding
Designed to familiarize students with the highly specialized pipe fitting and welding industry and to provide the opportunity for students to develop the skills necessary for entering and advancing in the pipe welding field. (A) (Fall) (Letter Grade or Pass/No Pass)

WLDT 315 Metal Fabrication
4.0 units
Acceptable for credit: D - Credit - Degree Applicable
Prerequisite: WLDT 107 - Advanced Welding CR C
Provides the student with the opportunity to combine previously learned skills into a system requiring the use of prints, tolerances, and specifications. (Fall) (Letter Grade or Pass/No Pass)

WLDT 316 Metal Yard Sculptures
1.0 unit
Acceptable for credit: D - Credit - Degree Applicable
An introduction to the craft and art of creating metal yard sculptures. Emphasis is on creative discovery with and through fabrications primarily from non-ferrous metals, found metal objects, and/or commercially available components. (F) (Fall) (Letter Grade or Pass/No Pass)

WLDT 317 Ornamental Iron 1
1.0 unit
Acceptable for credit: D - Credit - Degree Applicable
Basics of ornamental iron work including fabrication techniques and safety training. (Fall) (Letter Grade or Pass/No Pass)

WLDT 318 Welding and Metal Sculpture
1.0 unit
Acceptable for credit: D - Credit - Degree Applicable
This course will provide an introduction to the art of welding. The student will be able to do light gas welding and brazing to construct individual projects. (Fall) (Letter Grade or Pass/No Pass)

WLDT 319 Blacksmithing Projects
1.0 unit
Acceptable for credit: D - Credit - Degree Applicable
An opportunity to use blacksmithing in the fabrication of projects developed and assigned by the instructor. (Spring) (Letter Grade or Pass/No Pass)

WLDT 320 Pipe Welding
3.0 units
Acceptable for credit: D - Credit - Degree Applicable
Prerequisite: WLDT 107 - Advanced Welding
An introductory course in the theory and practice of pipe welding designed to provide the student with an opportunity to acquire basic pipe welding skills used in the highly specialized pipe welding industry. (Fall) (Letter Grade or Pass/No Pass)

WLDT 330 Welding Certification
3.0 units
Acceptable for credit: D - Credit - Degree Applicable
Prerequisite: WLDT 107 - Advanced Welding ; or WLDT 307 - G.M.A.W. Welding ; or WLDT 308 - T.I.G. Welding
Provides the advanced student with the theory and practical application of welding procedures and techniques in preparation for certification in the following areas: gas metal arc welding or shielded metal arc welding or gas tungsten arc welding. These meet the codes as provided by the American Welding Society, American Petroleum Institute, American Society of Mechanical Engineers Standards. (Spring) (Letter Grade or Pass/No Pass)

WLDT 331 Advanced Welding Certification Lab
2.0 units
Acceptable for credit: D - Credit - Degree Applicable
Prerequisite: WLDT 330 - Welding Certification CR C
Provides the advanced student with the practical application of welding procedures and techniques in preparation for certification in the following areas: gas metal arc welding or shielded metal arc welding or gas tungsten arc welding. These meet the codes as provided by the American Welding Society, American Petroleum Institute, American Society of Mechanical Engineers Standards. (Spring) (Letter Grade or Pass/No Pass)

WLDT 333 Welding Certification - SMAW
1.0 unit
Acceptable for credit: D - Credit - Degree Applicable
This course is to encourage individuals who are near or at completion of preparation for taking their SMAW Certification test either for employment or the completion of their school program. (Letter Grade or Pass/No Pass)

WLDT 334 Welding Certification - GMAW
1.0 unit
Acceptable for credit: D - Credit - Degree Applicable
This course is to encourage individuals who are near or at completion of preparation for taking their GMAW Certification test either for employment or the completion of their school program. (Letter Grade or Pass/No Pass)

WLDT 335 Flux Core Arc Welding
1.0 unit
Acceptable for credit: D - Credit - Degree Applicable
Prerequisite: WLDT 106 - Beginning Welding

Introduces students to craft flux core welding. Topics include types, uses, safety considerations, and fabrication techniques. (Letter Grade or Pass/No Pass)

WLDT 370 SkillsUSA

3.0 units

Acceptable for credit: D - Credit - Degree Applicable
Repeatable: 3.00
SkillsUSA is a partnership of students, teachers and industry working together to ensure America has a skilled workforce. This SkillsUSA course prepares students for employment and inter-collegiate competition in Career Technical Education. Students will learn to plan projects, work in teams, solicit community support and develop a range of skills valued by employers. Students registered for this class may not register for AB 370, ARCH 370, AT 370, EL 370, ET 370 or MT 370 during the same semester. Participation in the SkillsUSA competition is required. This course may be repeated up to three times for credit with different competitions. (Letter Grade or Pass/No Pass)

WLDT 389 Independent Projects

0.0 units

Acceptable for credit: D - Credit - Degree Applicable
Courses for students capable of independent work who demonstrate the need or desire for additional study beyond the regular curriculum. Enrollment allows students to pursue activities such as directed field experience, research, or development of skills and competencies under faculty advisement and supervision. Independent projects may be earned in most disciplines. Students wishing to enroll in Independent Projects should contact the appropriate instructor identified in the class schedule. If the project proposed is acceptable to that instructor, a contract will be developed. All contracts for these classes must be completed and submitted to the Records Office no later than the end of the second week of the semester. Students may enroll for any combination (unit value) of Independent Projects 189 and/or 389 for a total of four semesters in a specific discipline. Units are awarded depending upon satisfactory performance and the amount of time committed by the student to the course. Allowable units vary according to discipline, and are based on the following formula: 1 unit - 48 hours per semester 2 units - 96 hours per semester 3 units - 144 hours per semester (Letter Grade Only)