



Addendum

2024-2025

Catalog

CREDIT COURSES

ACCTG 165

TAX PLANNING, TAX RESEARCH, AND TAX FRAUD

ACCTG 165 is a course covering the principles of tax planning, research and fraud. Topics include general principles of tax planning, self-employed versus employee tax planning, family tax planning, fixed and other assets tax planning, deduction tax planning, retirement planning, tax research procedures, Internal Revenue Code, treasury and judicial interruptions, primary and secondary courses, tax procedures, tax fraud reporting, and tax fraud penalties.

ACCTG 180

FINANCIAL ANALYSIS AND COMMUNICATIONS

ACCTG 180 is a course in which students apply tools of the accounting profession to solve problems and complex case studies common in the industry. Topics include using general ledger, database, and spreadsheet programs, advanced financial ratios, extensive budget creation with variance analysis, real-time adjustments, setting up a general ledger package, decision making formulas, creating financial statements, and producing spreadsheets for various accounting decisions.

ADMJ 101

INTRODUCTION TO THE ADMINISTRATION OF JUSTICE

ADMJ 101 covers the history and philosophy of administration of justice in America, a summary of the system, identification of the various subsystems, role expectations, and their interrelationships, theories of crime, punishment, and rehabilitation, ethics, education, and training for professionalism in the system. **Recommended Preparation:** ENGL 101 or ESL 151.

ADMJ 107

COMMUNITY RELATIONS

Prerequisite: None.

ADMJ 110

PRINCIPLES & PROCEDURES OF THE JUSTICE SYSTEM

ADMJ 110 presents an in-depth study of the role and responsibilities of each segment within the administration of justice system: Law enforcement, judicial, corrections. Students are exposed to each sub-system procedure from initial entry to final disposition and the relationship each segment maintains with its system members. Special emphasis is on the judicial processes.

ADMJ 116

CRIMINAL INVESTIGATION

ADMJ 116 focuses on the fundamentals of investigation, including crime scene search and recording, collection and preservation of physical evidence, scientific aids, modus operandi, sources of information, interviews and interrogation, follow-up and case preparation, mechanical truth devices, truth serums, and crime laboratories.

ADMJ 117**CRISIS INTERVENTION**

ADMJ 117 is designed to provide those skills necessary to deal with interpersonal conflict. The course addresses some of the interpersonal problems creating stress, conflict and anger and reviews some of the basic psychological techniques used in dealing with interpersonal problems. Specifically, the course familiarizes the student with intervention techniques in suicide attempts, death/ injury notifications, domestic situations, disputes between landlord and tenants and intervention techniques with crime victims. The course covers recommended techniques in dealing with job related stress. A review of theoretical concepts and practical role playing situations provides the framework for the course.

ADMJ 118**JUVENILE JUSTICE**

ADMJ 118 reviews the organization, functions, and jurisdiction of juvenile agencies, the processing and detention of juveniles, juvenile case disposition, juvenile statutes and court procedures. There are discussions on selected delinquency theories and a review of current correctional methods utilized in the treatment and control of juveniles impacted by the justice system in America. **Prerequisite:** None.

ADMJ 120**LEGAL ASPECTS OF EVIDENCE**

ADMJ 120 teaches students the origin, development, philosophy, constitutional, and procedural considerations affecting arrest, search and seizure, kinds and degrees of evidence, rules governing admissibility, judicial decisions interpreting individual rights, and case studies. **Prerequisite:** None.

ADMJ 129**SPECIAL CRIMES AND DANGEROUS DRUGS**

ADMJ 129 gives students a fundamental understanding of addiction and the effects of psychoactive drugs, as these factors are involved in the daily routine of police work. This course will review the principles of detecting and investigating special crime offenses, including organized crime, gambling, confidence schemes, loansharking, prostitution, and other crimes socially and culturally impacting communities of all socioeconomic groups. **Recommended Preparation:** ENGL 101 or ESL 151.

ADMJ 134**REPORT WRITING**

ADMJ 134 encompasses a survey of report writing and Records and Identification Bureaus. Students will learn how police officers analyze what they see and make a permanent and coherent record of facts to be used in criminal prosecution and administration procedures. **Recommended Preparation:** ENGL 101 or ESL 151.

ADMJ 160**COMMUNITY AND THE JUSTICE SYSTEM**

ADMJ 160 examines the complex, dynamic relationship between communities and the justice system. While studying the theoretical concepts of law enforcement, students learn the history of multiculturalism in the U.S. and discuss the key issues that plague communities of color such as implicit bias, racism and excessive force. Students have opportunities to explore better strategies for policing interaction with multi-cultural communities, including but not limited to, alternatives to incarceration and serving diverse communities. **Recommended Preparation:** ETH S 121, SOC 101, and ENGL 101 or ESL 151.

ADMJ 165**INTRODUCTION TO FORENSICS**

ADMJ 165 focuses on the basic principles of forensic science and their application and relevance to crime scene investigations. This course is for anyone wanting to understand the basics of forensic science and for the person interested in a career in the forensic field. Topics include procedures of crime scene investigation, including evidence search and preservation; the role of latent prints and DNA; health and safety issues; history of forensics; overviews of forensic specializations; and related topics. **Prerequisite:** None. **Transfer Credit:** CSU, UC.

ADMJ 170**ETHICS IN LAW ENFORCEMENT**

Recommended Preparation: ADMJ 101 and ENGL 101 or ESL 141.

ADMJ 201**INTRODUCTION TO HOMELAND SECURITY**

ADMJ 201 introduces students to the vocabulary and important components of Homeland Security. The importance of the agencies associated with Homeland Security and their interrelated duties and relationships will be discussed. Students will examine historical events, as well as, explore state, national, and international laws impacting Homeland Security. The most critical threats confronting Homeland Security will be examined. **Recommended Preparation:** ENGL 101 or ESL 151.

AD ST 101**ALCOHOL/DRUG ABUSE AND DEPENDENCY**

Recommended Preparation: ENGL 101, or equivalent.

AD ST 105**PHARMACOLOGY: ALCOHOL AND OTHER DRUGS**

ADST 105 emphasizes the specific action and effects of psychoactive drugs, including alcohol, on the human brain and body. The history of drugs as substances of abuse is presented along with the pharmacological and physiological implications of tolerance and habituation. The part played by pharmacological therapy as a component of current abuse and addiction treatment models is examined. Several prevention models are also presented.

AD ST 110**COUNSELING TECHNIQUES AND CASE MANAGEMENT**

ADST 110 is designed to prepare the student for the field experiences of the addiction counseling internship. It examines several models of addiction counseling and the theoretical rationale of each. The course emphasizes therapeutic traits needed by a counselor working with people addicted to substances. The course also includes the competencies/functions of a counselor, legal and ethical issues in counseling, and case management of individuals, groups and families. Issues of personal and professional growth are also discussed.

AD ST 114**TREATMENT CONSIDERATIONS WITH DIVERSE POPULATIONS**

ADST 114 examines the degree to which ethnicity, cultural factors, and sexual identity can contribute to use of alcohol and other drugs. Discussions include various ethnic populations as well as gender, sexual orientation, and life span issues related to substance use and abuse.

AD ST 154

LEGAL AND ETHICAL ISSUES AND COMMUNITY NETWORKING

ADST 154 provides students with topics that include the applicable laws and ethics relating to case manager/client professional relationships in inpatient and outpatient treatment settings. Laws relating to confidentiality, patient rights, assessments, sharing of personal information, mandatory reporting, and crisis intervention requirements are presented. Dealing with issues such as duty to warn, evaluating a person's potential for suicide, child and elder abuse, and when individuals pose a serious potential of harm to others are also addressed. The class also provides an opportunity for the student to survey and analyze a variety of resources in the community involved in the treatment of alcohol and drug dependency. In analyzing the facilities, students examine policies and procedures as well as employment opportunities and expectations regarding services.

ANTHR 110

PHYSICAL ANTHROPOLOGY (NO LAB)

3.0 Units

ANTHR 110 introduces the concepts, methods of inquiry, and scientific explanations for biological evolution and its application to the human species. Issues and topics will include genetics, evolutionary theory, human variation, and biocultural adaptations, comparative primate anatomy and behavior, forensic anthropology, human osteology, and the fossil evidence for human evolution. **Note:** No credit will be awarded if ANTHR 101 has been completed. Lecture 3 hours. **Recommended Preparation:** ENGL 101 or ESL 151. **Transfer Credit:** CSU, UC.

ANTHR 114

GENDER, SEXUALITY, AND CULTURE

Recommended Preparation: ENGL 101 or ESL 151.

ANTHR 150

ARCHAEOLOGY

Recommended Preparation: ENGL 101 or ESL 151.

ARCH 101

DRAFTING AND BASIC DESIGN

Recommended Preparation: ART 130 and ENGL 101 or ESL 141. **Transfer Credit:** CSU, UC.

ARCH 102

ARCHITECTURAL DRAFTING AND DESIGN

ARCH 102 is the study single family dwelling design with emphasis on the ranch type structure. Discussion covers the latest construction innovations, framing techniques, scale detail drawing, and the drafting of working drawings. Students will explore applicable building codes pertinent to residential construction, modular construction, solar planning, insulation requirements, orientation, and other facets of construction in greater detail. **Prerequisite:** ARCH 101. **Recommended Preparation:** ARCH 250. **Transfer Credit:** CSU, UC.

ARCH 103

DESCRIPTIVE GEOMETRY

ARCH 103 is an applied science treating of graphic representation of lines, planes, surfaces, and solids. Students will use architectural applications including use of simple shades and shadows. **Note:** This course is required for architecture majors. This course may not be taken for credit by students who have completed ENGR 103.

ARCH 106

BUILDING CODES

Prerequisite: ARCH 101. **Recommended Preparation:** ENGL 101 or ESL 141.

ARCH 109
SKETCHING TECHNIQUES FOR ARCHITECTS AND INTERIOR DESIGNERS

Transfer Credit: CSU, UC.

ARCH 120
RESIDENTIAL ARCHITECTURAL DESIGN I

Transfer Credit: CSU, UC.

ARCH 125
RESIDENTIAL ARCHITECTURAL DESIGN II

ARCH 125 presents a study of the numerous considerations required to build a typical two story, four unit townhouse or apartment complex. Students will review the fundamentals of design, building code considerations, techniques of construction, working drawings and construction details. Topics covered include structural considerations, heating, insulation, sound proofing, sanitary systems, foundation design, presentation techniques, and model building techniques. *Transfer Credit:* CSU, UC.

ARCH 130
COMMERCIAL ARCHITECTURAL DESIGN I

ARCH 130 is a study of the concepts of basic commercial building construction. Emphasis is placed on the planning and design of a small commercial retail center of concrete block construction. Students learn the current construction techniques and applicable building codes. *Transfer Credit:* CSU, UC.

ARCH 135
COMMERCIAL ARCHITECTURAL DESIGN II

ARCH 135 is a study of the concepts of two story commercial building construction. Emphasis is placed on the basic planning and design of medium sized, two-story commercial buildings of concrete block or tilt-wall construction. Students will learn current construction techniques and applicable building codes. *Transfer Credit:* CSU, UC.

ARCH 142
ADVANCED INTERIOR DESIGN

Prerequisite: ARCH 141 or ART 141.

ARCH 160
ARCHITECTURAL COMPUTER AIDED DRAFTING LABORATORY

Recommended Preparation: ARCH 250 or ENGR 109.

ARCH 229
INTRODUCTION TO 3D VISUALIZATION FOR ARCHITECTURE AND INTERIOR DESIGN

ARCH 229 teaches the fundamentals of 3ds Max software for Architecture and Interior Design, covering walkthroughs, rendering, lighting, and presentations for both residential and commercial projects. Students gain proficiency in 3ds Max, as well as explore real-time rendering with TwinMotion, discover the revolutionary potential of AI Rendering, and the immersive technologies of Augmented Reality (AR) and Virtual Reality (VR). Hands-on projects will enable students to engage with these advanced fields, enhancing their skills and broadening their creative perspectives. *Transfer Credit:* CSU.

ARCH 230
ADVANCED 3D VISUALIZATION FOR ARCHITECTURE AND INTERIOR DESIGN

Transfer Credit: CSU.

ARCH 240

ARCHITECTURAL PORTFOLIO DEVELOPMENT

Recommended Preparation: ARCH 120, 130, and 250.

ARCH 250

INTRODUCTION TO AUTODESK REVIT ARCHITECTURE

Prerequisite: ARCH 101 or ARCH 141.

ART 49

ART INDEPENDENT STUDY

ART 49 provides independent exploration to familiarize students with research techniques, career options, and special academic interests in art. Emphasis shall be on individual research projects, library research, and/or preparation of research papers. There is no prescribed course content. Students develop and complete a research project approved by the sponsoring instructor and division chairperson. **Note:** Registration is open to any student at GCC who is currently registered for six or more units and who is admitted to Independent Study by the instructor. A student is limited to one Independent Study per semester and no more than 12 units credit toward the AA Degree or Certificate, and no more than six units per division. The units received may be acceptable for college transfer subject to the approval of the individual college. This course may be taken 3 times; a maximum of 9 units may be earned. *Prerequisite:* ART 130 or equivalent. (ART 130 may be taken concurrently).

ART 132

GRAPHIC DESIGN: TYPOGRAPHY

ART 132 is an introduction to the fundamentals of typography, its theory, practice, history and technology. Students learn design concepts including vocabulary, anatomy, proportion, grids, and hierarchy applied within assigned projects using traditional as well as experimental approaches to enhance communication. Software includes Adobe Illustrator, Adobe InDesign and font management.

ART 133

GRAPHIC DESIGN: DIGITAL ILLUSTRATION

ART 133 is a comprehensive introductory course where students learn traditional principles of illustration combined with current digital techniques within the vector-based illustration software Adobe Illustrator. Students engage in hands-on projects addressing both historic and current styles and trends within illustration. Assignments are appropriate for application within print and digital mediums and are focused on inclusion within a graphic design portfolio. Critiques focus on appropriate solutions, visual interest, and craftsmanship.

ART 134

GRAPHIC DESIGN: FOUNDATIONS

ART 134 introduces students to the connection of graphic design history, concepts and current techniques to create effective design communication. Students learn to integrate elements including imagery, and typography applied within graphic design projects using Adobe InDesign software. Presentation skills necessary to communicate with future clients are introduced. Critique of assignments focus on appropriate solutions, visual interest, and craftsmanship to prepare projects for inclusion within a graphic design portfolio.

ART 135**GRAPHIC DESIGN: DIGITAL PUBLICATION**

ART 135 focuses on the principles of graphic design to create layouts that can be viewed in print, pdf, and electronic publication formats. Emphasis is placed on industry standard software such as Adobe InDesign. Students integrate typography and graphics to create a variety of projects that explore the technical and aesthetic nature of user experience, and user interface design, through print, pdf and electronic publication (EPUB). The creation of portfolio level work is stressed throughout the course. Verbal and visual presentation skills necessary to communicate with future clients are emphasized. Critiques focus on appropriate solutions, visual interest and craftsmanship.

ART 136**GRAPHIC DESIGN: IDENTITY AND LOGO DEVELOPMENT**

ART 136 helps students create logos as distinctive symbols, incorporating design principles to create effective visual communication. Students gain insight into current design practices through learning historic and contemporary logos and identity systems. Students will create style manuals and collateral applications for corporate businesses. Developing verbal and visual presentation skills to communicate with future clients is a priority. Critiques focus on appropriate solutions, visual interest, and craftsmanship.

ART 137**GRAPHIC DESIGN: PORTFOLIO**

ART 137 focuses on the preparation and presentation of a Graphic Design portfolio in both print and digital mediums. The content of the portfolio is drawn from assignments completed in previous graphic design courses at GCC. Emphasis is placed on portfolio review and critique to facilitate the continuing development and augmentation of existing projects. Students learn presentation and interviewing techniques including resume preparation, job search issues, networking, references and salary negotiation. The portfolio that students create in this course is intended to be used in preparation for either graphic design job placement or transfer to a graphic design bachelor's degree program.

ART 157**GALLERY STUDIES/ART PRESENTATION**

ART 157 is an introduction to the principles and practices for gallery/museum presentations of various art media. Students learn about basic preparatory and curatorial work, installation techniques in a professional gallery setting using various art media, publicity, and administrative tasks and procedures. Students will also develop a personal artist statement, resume, visual materials and a cover letter for an individual portfolio presentation.

ART 158*** LIFE DRAWING LABORATORY**

ART 158 enables life drawing students to have additional supervised life drawing studio time and to increase their technical drawing and design skills relative to concurrent enrollment in a life drawing course. **Note:** This course is Pass/No Pass only.

ART 160**PAINTING I**

ART 160 develops skill, technique, and composition in drawing and painting, using media such as oils and acrylics. Students learn to deal with problems including representation and abstraction.

ART 175**INTERMEDIATE SCREEN PRINTING**

ART 175 is an intermediate course in screen printing. In addition to a review of basic screen printing, students learn intermediate topics including traditional and digital half-toning, process color separations, spot varnishes and coatings, and commercial fabric and plastic processes.

ART 180**SCULPTURE FUNDAMENTALS**

ART 180 is an introduction to fundamental sculptural principles, techniques, and concepts using a wide range of materials and practices. Students practice various three-dimensional sculptural methods with attention to creative self-expression and historical context.

ART 187**CERAMICS II**

ART 187 is a continued study in the fundamentals of the ceramic process that focuses on wheel throwing techniques. Through concentrated exercises, students sharpen skills and increase their ability to produce work of greater quality, size, and range of form. Students research, formulate, and test a glaze of their own choice. Various methods of firing ceramic vessels are explored.

ART 188**ADVANCED CERAMICS I**

ART 188 is an advanced course involving work on the potter's wheel requiring consistency and accuracy of results. Students learn how to create ceramic vessels of matching sizes and shapes by designing and forming multiples and sets of objects. Awareness of three-dimensional form and surface design are heightened by individual and group critiques. Students work towards a more individual statement by further experimentation with a variety of clay bodies, glazes, and firing techniques. Under supervision the students assist in a loading and firing of kilns.

ART 189**ADVANCED CERAMICS II**

ART 189 is a course designed for the advanced student who wishes to pursue an individual direction in depth. Students propose a semester research project, concentrating on specific techniques, materials, and firing procedures. Upon instructor approval of the proposal, students will work semi-independently, formulating personal clay bodies, glazes, and firing techniques. Reading and research assignments are made where applicable. A written analysis of a current ceramic exhibition is required.

ART 190**CERAMIC HANDBUILDING**

ART 190 is an introduction to basic ceramic hand-building techniques and processes. Students are introduced to traditional methods of forming, joinery, and construction. They will also explore traditional hand-built pottery as well as contemporary, expressive, hand-built forms while learning to design and analyze functional and nonfunctional objects.

ART 191**ADVANCED CERAMIC HANDBUILDING**

ART 191 explores complex problems of design and construction. Students will work with the ceramic medium in conjunction with other materials while exploring possibilities of designing for architecture. In-depth studies of surface design and decorative techniques are included.

ART 192**EARTHENWARE**

ART 192 is an intermediate course in ceramics, dealing specifically with earthenware, or low-fired ceramics. Students study a variety of forming techniques including slab and wheel, and will also experiment with earthenware clay bodies, glazes, underglazes, and slips. Specific projects may include glaze formulation and testing, underglazing, majolica (in-glaze painting), and overglazing (lustres, China paints, and decals).

ART 194**ADVANCED RAKU**

ART 194 is an advanced course in ceramics dealing exclusively with the Raku firing process. Students propose and execute an advanced research project in Raku forming and firing techniques. Students develop and select Raku clays, glazes, and firing techniques to use in the execution of their research project. Advanced firing procedures are emphasized.

ART 195**GLAZE CALCULATION**

ART 195 is an introduction to basic glaze and clay calculations. Students learn to calculate molecular weights, molecular glaze formulas, and batch recipes. Students use general glaze theory with procedures to analyze and substitute (or create from the beginning) glazes and clay bodies. The course involves simple arithmetical computations and includes certain ceramic laboratory skills and safety precautions for handling chemicals. This course prepares the student for employment in the ceramic industry.

ART 205**FUNDAMENTALS OF 2-D KEYFRAME ANIMATION**

ART 205 teaches students the fundamental principles of traditional animation with a focus on timing. Students learn to apply drawing and observation skills to a series of animation pencil tests. This class also discusses concepts such as squash and stretch, overlapping action, anticipation, as well as creating effective key poses and attitude drawings. Industry standard software (ToonBoom, Photoshop) will be used in the course.

ART 209**INTRODUCTION TO 2-D CHARACTER DESIGN**

ART 209 introduces students to character design for animation. Students explore and develop traits of particular characters and archetypes. Students draw from life as well as from the imagination. Topics to be discussed include shape, silhouette, color, caricature, underlying structure, and costume. Students will be expected to keep a sketchbook and to create model sheets for their own personal designs. Industry standard software (ToonBoom, Photoshop) will be used in the course.

ART 231**INTRODUCTION TO 3-D HARD SURFACE DESIGN**

ART 231 teaches students to use industry-standard software (ZBrush) to build and digitally paint non-character elements for animation, visual effects and games, such as helmets, spaceships, shields, and armor. Students also learn about software sculpture tools, such as cutting and polishing, using a project-based approach which incorporates new tools as the project moves forward over the semester.

ART 232**INTERMEDIATE 3-D HARD SURFACE DESIGN**

ART 232 builds on material students learn in ART 231. Students are encouraged to take on projects of greater complexity of their own, such as working with the instructor to create a full suit of sci-fi armor, a futuristic helmet, or an imaginary vehicle.

ART 233**3-D DIGITAL CHARACTER SET-UP/KINEMATICS**

ART 233 provides students with training in 3-D character set-up technique. Students will learn to create a digital puppet that animators can animate. Students will acquire skills including installation of a skeleton within a wireframe mesh, creation of animation controls such as inverse kinematic (IK) handles and set-driven-key relationships, and binding of the wireframe mesh to skeleton using current industry standard digital animation software (Maya).

ART 234**ADVANCED 3-D DIGITAL CHARACTER SET-UP**

ART 234 provides students with advanced training in 3-D character set-up techniques. Students learn how to bind a character to a complex skeleton, edit the relationship between the skeleton and character skin, and create a facial animation control system. Students are encouraged to design a character set-up on their own and test it for use in an animated scene using current industry standard digital animation software (Autodesk Maya).

ART 235**3-D CHARACTER ANIMATION**

Lecture 2 hours/Studio 2 hours

ART 245**3-D DIGITAL CHARACTER DESIGN I**

ART 245 provides students with foundation instruction in 3-D digital character design using ZBrush software. Students learn about digital sculpture, texturing, and painting tools, as well as integrating digital character designs into animation and game design software. Note: Current industry standard digital animation software (ZBrush) will be used.

ART 250**GRAPHIC DESIGN: INTERFACE FUNDAMENTALS**

ART 250 is an introduction to the application of design principles within web as well as mobile and web-based applications. Students will engage in project planning, concept development, and analysis, as well as principles of user interface and experience design, through the completion of various projects. Projects are compiled for inclusion within a dual-purpose graphic design portfolio appropriate for either job placement or transfer. Students will employ industry standard software including: Adobe Illustrator, Photoshop, XD, Animate and FIGMA.

ART 251**GRAPHIC DESIGN: INTERFACE DESIGN**

ART 251 is an intermediate web, mobile and web-based application design course emphasizing interface design principles such as usability through responsive design. Students will complete design projects using HTML, CSS, and JavaScript as well as front-end frameworks such as Bootstrap, JQuery, and FIGMA. ART 251 projects are appropriate for inclusion within a graphic design portfolio for either job placement or transfer.

ART 255**GRAPHIC DESIGN: MOTION INTERFACE DESIGN**

ART 255 is a visual motion interface course focusing on the application of motion within an interface to enhance design communication. Students will conceptualize, design and produce solutions using motion and interactivity through a series of assigned projects. Projects will also address narrative storytelling, graphics, typography and are appropriate for inclusion within a graphic design portfolio. The primary software used is Adobe Animate.

ARTH 108**ART OF THE EASTERN WORLD**

ARTH 108 is a survey from prehistoric to contemporary times of the sculpture, painting, and architecture of India, China, Japan, Korea, Persia, and the Islamic expansion in the Near East and Spain. It includes an introduction to the religious, philosophical, social, and political ideas which influenced the art of these regions and times.

ASTRO 49**ASTRONOMY INDEPENDENT STUDY**

ASTRO 49 provides independent exploration to familiarize students with research techniques, career options, and special academic interests in astronomy. Emphasis shall be on individual research projects, library research, and/or preparation of research papers. There is no prescribed course content. Students develop and complete a research project approved by the sponsoring instructor and division chairperson. **Note:** Registration is open to any student at GCC who is currently registered for six or more units and who is admitted to Independent Study by the instructor. A student is limited to one Independent Study per semester and no more than 12 units credit toward the AA Degree or Certificate, and no more than six units per division. The units received may be acceptable for college transfer subject to the approval of the individual college. This course may be taken 3 times; a maximum of 9 units may be earned.

ASTRO 110

Recommended Preparation: ENGL 101.

ASTRO 120**ASTRONOMY OF STARS AND GALAXY**

Recommended Preparation: ENGL 101.

AT 112**PRIVATE PILOT LABORATORY I**

Transfer Credit: CSU.

AT 113**PRIVATE PILOT LABORATORY II**

Transfer Credit: CSU.

AT 114**INSTRUMENT FLIGHT LAB**

Transfer Credit: CSU.

AT 115**COMMERCIAL FLIGHT TRAINING**

Transfer Credit: CSU.

AT 120**PRIVATE PILOT GROUND SCHOOL**

AT120 prepares the student for the FAA Private Pilot Knowledge Examination. The course covers powerplant operations, airport & airspace procedures, radio communications and radio navigation, meteorology, basic aerodynamics, FAA regulations, aviation physiology, aeronautical decision making, navigation charts, flight planning and cross-country navigation procedures common for pilots. There is an emphasis on risk management and flight safety. **Note:** The student must be able to speak, read and understand the English language per the requirements of Part 61 of the Federal Aviation Regulations as explained in FAA Advisory Circular 60-28B, and the Level 4 requirements of the International Civil Aviation Organization. *Recommended Preparation:* ENGL 101 or ESL 151.

AT 139**TECHNICALLY ADVANCED AIRCRAFT**

Transfer Credit: CSU.

BIOL 150**INTRODUCTION TO BIOCHEMISTRY AND MOLECULAR BIOLOGY**

5.0 Units

BIOL 150 introduces students to the study of molecular composition, structure, and functions of macromolecules. This course is designed to examine the relationship between protein structure and metabolic pathways, and how it contributes to genetic diseases. Concepts in molecular biology such as gene regulation, replication, transcription, and translation are discussed. This course is appropriate for students pursuing careers in the allied health medical fields. Lecture 3 hours/Laboratory 6 hours. **Prerequisite:** BIOL 101, BIOL 112, BIOL 120, or BIOL 122 and CHEM 105 or CHEM 121. **Recommended Preparation:** ENGL 101. **Credit Transfer:** CSU, UC.

BIOL 298**UNDERGRADUATE RESEARCH IN MICROBIOLOGY AND MOLECULAR BIOLOGY**

4.0 Units

BIOL 298 is intended to give undergraduate students hands-on experience in microbiology and molecular biology research while working collaboratively in a laboratory setting with a faculty-led team of students on various projects. It allows the student to practice and apply various scientific techniques and methods (e.g. wet lab skills) and concepts learned in biology (e.g. molecular biology, microbiology, genomics, and bioinformatics). Applications of current Good Manufacturing Process (cGMP), Good Laboratory Practice (GLP), and Standard Operating Procedures (SOP's) in relation to these techniques will also be taught to prepare students for careers in biotechnology and research. Students are expected to apply knowledge from prerequisite courses, to use their problem-solving skills in carrying out assigned projects, and to write up and present the results of their research on-campus. Lecture 1.5 hours/Laboratory 7.5 hours.

BUSAD 50**BUSINESS INTERNSHIP**

BUSAD 50 is a discipline-specific course, which allows students to earn from 1-3 units for structured, supervised work on-campus or off-campus in the field of Business/Entrepreneurship under the supervision of a faculty advisor. It is designed to provide students with hands-on, discipline-linked work experience that will extend their knowledge and understanding of career demands in Business Administration/Entrepreneurship. **Note:** This course is Pass/No Pass only. **Note:** This course may be taken four times; a maximum of 12 units may be earned. Students must arrange an approved internship prior to enrolling in this class. **Recommended Preparation:** ENGL 101 or ESL 151.

BUSAD 114**PERSONAL INSURANCE**

BUSAD 114 provides students with general information regarding personal insurance for employment as insurance professionals in entry-level and higher positions. This course is valuable for anyone who wishes to manage their personal insurance needs. The course includes information about automobile, homeowners, and residential insurance (e.g., earthquake, marine, etc.). Financial planning, life insurance, and health insurance are also covered.

BUSAD 116**PRINCIPLES OF LIFE AND HEALTH INSURANCE**

BUSAD 116 educates individuals about life and health insurance for employment as insurance professionals in entry-level and higher positions. It covers insurance fundamentals, including the types of insurers, institutions that provide insurance, how it is regulated, and the measurement of financial performance. **Transfer Credit:** CSU (Beginning Spring 2025).

CHEM 49

CHEMISTRY INDEPENDENT STUDY

CHEM 49 provides independent exploration to familiarize students with research techniques, career options, and special academic interests in chemistry. Emphasis shall be on individual research projects, library research, and/or preparation of research papers. There is no prescribed course content. Students develop and complete a research project approved by the sponsoring instructor and division chairperson. **Note:** Registration is open to any student at GCC who is currently registered for six or more units and who is admitted to Independent Study by the instructor. A student is limited to one Independent Study per semester and no more than 12 units credit toward the AA Degree or Certificate, and no more than six units per division. The units received may be acceptable for college transfer subject to the approval of the individual college. This course may be taken 3 times; a maximum of 9 units may be earned.

CHEM 50

CHEMISTRY INTERNSHIP

CHEM 50 is a discipline-specific course which allows students to earn from 1-3 units for structured, supervised work on-campus or off-campus in the field of chemistry under the supervision of a faculty advisor. It is designed to provide students with hands-on, discipline-linked work experience that will extend their knowledge and understanding of career demands in chemistry. **Note:** This course is Pass/No Pass only. **Note:** This course may be taken four times; a maximum of 12 units may be earned. Students must arrange an approved internship prior to enrolling in this class. **Prerequisite or Corequisite:** Enrollment in appropriate discipline-specific theory or lab course at GCC. **Recommended Preparation:** ENGL 101 or ESL 151.

CHLDV 133

OBSERVATION AND ASSESSMENT

CHLDV 133 focuses on the appropriate use of assessment and observation strategies to document development, growth, play, and learning to join families and professionals in promoting children's success and maintaining quality programs. We explore recording strategies, rating systems, portfolios, and multiple assessment methods. **Note:** Verification required of current tuberculosis (TB) clearance; measles, mumps, and rubella (MMR) immunization; and diphtheria, tetanus, and whooping cough (pertussis; DTaP) immunization.

CHLDV 135

CHILD GROWTH AND DEVELOPMENT

CHLDV 135 examines the major physical, psychosocial, and cognitive/language developmental milestones for children, both typical and atypical, from birth through adolescence. There will be an emphasis on interactions between maturational processes and environmental factors. While studying developmental theory and investigative research methodologies, students will observe children evaluate individual differences and analyze characteristics of development at various stages. **Note:** Verification of tuberculosis (TB) clearance required. **Recommended Preparation:** ENGL 101 or ESL 151.

CHLDV 137

SCHOOL AGE CHILDREN IN CHILD CARE

CHLDV 137 is designed for students interested in working in before- and after-school programs for children aged 5-12. The course introduces school-age program philosophies and program types. Knowledge of developmental ages and stages is emphasized. This course includes designing developmentally appropriate and inclusive curriculum and experiences for school-age children and creating developmentally appropriate and inclusive environments. **Recommended Preparation:** ENGL 101 or ESL 151.

CHLDV 138

HEALTH, SAFETY, AND NUTRITION

Recommended Preparation: ENGL 101 or ESL 151.

CHLDV 141**STUDENT TEACHING SEMINAR**

CHLDV 141 provides for a demonstration of developmentally appropriate early childhood teaching competencies under guided supervision. Students utilize practical classroom experiences to make connections between theory and practice, develop professional behaviors, and build a comprehensive understanding of children and families. Student teachers design, implement and evaluate experiences that promote positive development and learning for all young children and emphasize child centered, play-oriented approaches to teaching, learning, and assessment; and knowledge of curriculum content areas. Note: Verification required of current tuberculosis (TB) clearance; measles, mumps, and rubella (MMR) immunization; and diphtheria, tetanus, and whooping cough (pertussis; DTaP) immunization.

CHLDV 142**CHILD, FAMILY, AND COMMUNITY**

CHLDV 142 examines the developing child in a societal context focusing on the interrelationship of family, school, and community with an emphasis on historical and socio-cultural factors. The course highlights processes of socialization and identity development, showing the importance of respectful, reciprocal relationships that support and empower families.

CHLDV 147**WORKING WITH INFANTS AND TODDLERS**

CHLDV 147 is designed to specialize in infant and toddler development milestones. Students learn the principles of care-giving and appropriate play activities and materials necessary to enhance early childhood education. Observation of infants and toddlers is required in the classroom and the community. **Recommended Preparation:** CHLDV 135.

CHLDV 150**INTRODUCTION TO CURRICULUM**

CHLDV 150 provides an overview of principles involved in planning, implementing and evaluating developmentally appropriate curriculum. It includes processes for planning and implementing developmentally appropriate environments and experiences; selection of appropriate materials, emerging curriculum, scheduling, room arrangement, and planning developmentally appropriate activities and curricula for young children from birth to age eight in child care and early childhood development settings. Included are focuses on children's play, the role of assessment, webbing, activity planning, daily scheduling and curriculum areas such as art, science, math, literature, music, language arts, and dramatic play are examined. Note: Verification required of current tuberculosis (TB) clearance; measles, mumps, and rubella (MMR) immunization; and diphtheria, tetanus, and current whooping cough (pertussis; DTaP) immunization.

CHLDV 152**MUSIC FOR YOUNG CHILDREN**

CHLDV 152 focuses on designing developmentally appropriate musical experiences for young children. This course introduces basic principles and theories of music development in children from birth to age twelve. It also considers the developmental needs of children with disabilities. **Recommended Preparation:** ENGL 101 or ESL 151.

CHLDV 154**EARLY CHILDHOOD EDUCATION AND THE ART EXPERIENCE**

Recommended Preparation: ENGL 101 or ESL 151.

CHLDV 155**CHILDREN WITH DISABILITIES**

CHLDV 155 provides instruction in identifying the diverse development of children, and includes methods of teaching children with disabilities. A humanistic view of the whole child and the valuing and supporting of their rights is emphasized. The class includes discussions about educational services and community agencies available to educators and parents. **Prerequisite:** CHLDV 135 (CHLDV 135 may be taken concurrently). **Recommended Preparation:** ENGL 101 or ESL 151.

CHLDV 156**TEACHING IN A DIVERSE SOCIETY**

CHLDV 156 examines the development of social identities in diverse societies including theoretical and practical implications of oppression and privilege as they apply to young children, families, programs, classrooms and teaching. We explore various classroom strategies emphasizing culturally and linguistically appropriate anti-bias approaches supporting all children in becoming competent members of a diverse society. Course also includes self-examination and reflection on issues related to social identity, stereotypes and bias, social and educational access, media and schooling. **Note:** Verification of current tuberculosis (TB) clearance required.

CHLDV 160**GUIDING CHILDREN AND ADOLESCENTS**

CHLDV 160 provides an overview of the developmental, environmental, and cultural factors that impact the behavior of children and adolescents; examines the role of the environment and the teacher in supporting prosocial behavior; and explores techniques to effectively address many types of behavior including those that are aggressive, antisocial, disruptive, destructive, emotional, and/or dependent. Emphasis is on developing culturally sensitive individualized plans for guiding the behavior of children and adolescents in early childhood and K-12 settings. **Note:** Verification of compliance with SB 792 regarding immunizations and TB clearance required. **Recommended Preparation:** ENGL 101 or ESL 151.

CHLDV 174**ADMINISTRATION OF EARLY CHILDHOOD PROGRAMS I**

Prerequisite: CHLDV 140.

CHLDV 175**ADMINISTRATION OF EARLY CHILDHOOD PROGRAMS II**

CHLDV 175 explores effective strategies for personnel management and leadership in early care and education settings, including legal and ethical responsibilities, supervision techniques, professional development, and reflective practices for a diverse and inclusive early care and education program. We discuss comprehensive methods for analyzing the different components of an early childhood program to effect organizational change, and we examine the art of leadership and interpersonal relationships. **Prerequisite:** CHLDV 174.

CHLDV 176**MENTOR TEACHER PRACTICES**

CHLDV 176 examines the methods and principles of supervising student teachers, entry-level teachers, volunteers, and other adults in early care and education settings, emphasizing the roles and development of early childhood professionals as mentors and leaders. **Prerequisite:** CHLDV 141.

CHLDV 180**STUDENTS TEACHING FIELD PRACTICE – INFANT/TODDLER FOCUS**

CHLDV 180 provides a semester teaching experience in an infant/toddler setting. The teacher candidate, under the supervision of a cooperating teacher and a college supervisor, assumes complete responsibility for the instruction of children. The course provides opportunities for practical application of skills and knowledge previously gained in the classes specified in the infant/toddler and child development curriculum. Field experience provides the teacher candidate the opportunity to participate in classroom activities, design and teach a developmentally appropriate focus under the guidance of the supervising/mentor teacher, assess themselves as a prospective teacher, and participate in seminar discussions. Setting up an intentional environment with developmentally appropriate routines and transitions will be emphasized.

CHLDV 181**STUDENTS TEACHING FIELD PRACTICE – PRESCHOOL FOCUS**

CHLDV 181 gives students a semester teaching experience in a preschool setting. As teacher candidates, students assume complete responsibility for the instruction of children, under the supervision of a cooperating teacher and a college supervisor. Students receive opportunities for practical application of skills and knowledge previously gained in preschool and child development classes. Students participate in classroom activities, design and teach a developmentally appropriate focus under the guidance of the supervising/mentor teacher, assess themselves as prospective teachers, and participate in seminar discussions.

CHLDV 210**SCAFFOLDING LEARNING IN EARLY CHILDHOOD**

Prerequisite: CHLDV 150. *Recommended Preparation:* ENGL 101.

CHLDV 215**EMERGENT LITERACY IN EARLY CHILDHOOD**

CHLDV 215 provides students an opportunity to learn a specialization in supporting emerging literacy for young children (birth through age eight). Emphases are placed on the study of oral language development, children's literature, and play related to early literacy. Students study the working theories for understanding emerging literacy in relation to cultural, social, and family environments. Topics include: reading, children's literature, early literacy, second language learning, play and literacy, family literacy. *Recommended Preparation:* CHLDV 135 and ENGL 101 or ESL 151.

CAM 210**COMPUTER AIDED MANUFACTURING BASIC MILLING**

Recommended Preparation: ENGL 101 or ESL 141.

CAM 220**COMPUTER AIDED MANUFACTURING, BASIC LATHE**

Recommended Preparation: ENGL 101 or ESL 141.

CAM 230**BASIC MASTERCAM MILL**

Transfer Credit: CSU.

CAM 231**ADVANCED MASTERCAM MILL**

CAM 231 is an advanced Mastercam mill course which covers the advanced programming aspects of CNC milling, how to configure the Mastercam workspace, properly orient the part geometry, and complete the job setup. Students will learn how to create more complex 3D geometry and advanced 3-Axis toolpaths, discover high-speed dynamic milling, tool definition, axis combinations, and complete a tool plane setup. *Transfer Credit:* CSU.

CAM 240**BASIC MASTERCAM LATHE**

Transfer Credit: CSU.

CAM 250**4TH AXIS MACHINING**

CAM 250 is an advanced computer numerical control (CNC) course on multi-axis programming that introduces 4th axis machining concepts. Programming of rotary axis positioning for both vertical axis and horizontal axis machines are covered. Students practice CNC machining by programming simultaneous 4th axis and axis substitution toolpaths using Mastercam software.

CAM 260

INTRODUCTION TO 5-AXIS MACHINING

CAM 260 introduces 5-Axis machining concepts that explores both surface (solid face) and wireframe-based toolpaths. Different methods of tool axis control, and different titling strategies are covered. Special attention is paid to collision control techniques. Multi-axis machining is becoming increasingly important to make difficult parts with high precision.

CS/IS 49

COMPUTER SCIENCE/ INFORMATION SYSTEMS INDEPENDENT STUDY

CS/IS 49 provides independent exploration to familiarize students with research techniques, career options, and special academic interests in computer science and information systems. Emphasis shall be on individual research projects, library research, and/or preparation of research papers. There is no prescribed course content. Students develop and complete a research project approved by the sponsoring instructor and division chairperson. **Note:** Registration is open to any student at GCC who is currently registered for six or more units and who is admitted to Independent Study by the instructor. A student is limited to one Independent Study per semester and no more than 12 units credit toward the AA Degree or Certificate, and no more than six units per division. The units received may be acceptable for college transfer subject to the approval of the individual college. This course may be taken 3 times; a maximum of 9 units may be earned. **Corequisite:** Concurrent registration in 6 or more units. **Recommended Preparation:** ABSE 186

CS/IS 50

COMPUTER SCIENCE/INFORMATION SYSTEMS INTERNSHIP

CS/IS 50 is a discipline-specific course, which allows students to earn from 1-3 units for structured, supervised work on-campus or off-campus in the field of Computer Science under the supervision of a faculty advisor. It is designed to provide students with hands-on, discipline-linked work experience that will extend their knowledge and understanding of career demands in Computer Science. **Note:** This course is Pass/No Pass only. **Note:** This course may be taken four times; a maximum of 12 units may be earned. Students must arrange an approved internship prior to enrolling in this class.

CS/IS 100

COMPUTER CONCEPTS

Recommended Preparation: CABOT 105 or ESL 141.

CS/IS 101

INTRODUCTION TO COMPUTER AND INFORMATION SYSTEMS

Recommended Preparation: CABOT 105 or ESL 151.

CS/IS 125

DISCRETE STRUCTURES FOR COMPUTING

Prerequisite: CS/IS 135 or equivalent. **Recommended Preparation:** MATH 90.

CS/IS 157

ROBOT MOTION PLANNING

CS/IS 157 provides an introduction to the art and practice of programming mobile robots using modern programming language(s) such as C++, Java or Python. It uses the context of robot programming to develop skills in software development. Students gain experience specifying open-loop and feedback behaviors, handling red/green/blue (RGB) input video, range images, tactile sensing, and other robot sensors, and reasoning about the spatial context of navigation and localization tasks. The vast majority of the course experience consists of implementation of and experimentation with these skills through hands-on labs.

CS/IS 255

INTRODUCTION TO ECOMMERCE/EBUSINESS

Recommended Preparation: CABOT 206 or equivalent.

CS/IS 260

INTRODUCTION TO WEB SITE DEVELOPMENT

CS/IS 260 provides students with training and experience in developing and managing Web sites using HTML (HyperText Markup Language) and CSS (Cascading Style Sheets). Primary emphasis is placed on the development of the client-side of the Web for business purposes. Topics include basic Web pages, images, tables, forms, multimedia linking, limited scripting using JavaScript, and publishing coursework to an Internet Web site. Students use a variety of free and proprietary software tools to create the coursework. **Note:** Having the ability to type at least 20 words per minute is strongly recommended.

CO ED 101

WORK EXPERIENCE EDUCATION

CO ED 101 is the structured supervised internship or job opportunity for employment on or off- campus under the guidance of a counseling faculty member. It is designed to provide students with appropriate preparation and hands-on work experience. The purpose of this class is to enhance students' knowledge, skill levels, and professional competency in their targeted career. **Note:** (1) Students may earn up to twelve semester units through general and occupational work experience, with limitations. (2) Students must secure job placement and then may register for this course by obtaining a permission number from the Cooperative Education instructor. Students must attend a mandatory orientation session with the instructor. (3) Concurrent enrollment in 7 units, including Cooperative Education. **Corequisite:** Concurrent enrollment in 7 units, including Cooperative Education. **Recommended Preparation:** ESL 151.

CULIN 50

CULINARY ARTS INTERNSHIP

CULIN 50 is a discipline-specific course, which allows students to earn from 1-3 units for structured, supervised work on-campus or off-campus in the field of CULIN under the supervision of a faculty advisor. It is designed to provide students with hands-on, discipline-linked work experience that will extend their knowledge and understanding of career demands in CULIN. **Note:** This course is Pass/No Pass only. **Note:** This course may be taken four times; a maximum of 12 units may be earned. Students must arrange an approved internship prior to enrolling in this class. **Recommended Preparation:** ENGL 101 or ESL 141.

CULIN 111

FUNDAMENTALS OF PROFESSIONAL COOKING 1

Prerequisite: None.

CULIN 113

INSTRUCTIONAL SANITATION PRACTICES FOR FOODSERVICE AND HOSPITALITY

Recommended Preparation: ENGL 101 or ESL 141.

CULIN 16

PURCHASING FOR INSTITUTIONAL FOODSERVICE AND HOSPITALITY

Recommended Preparation: ENGL 101 or ESL 141.

CULIN 122

INTERNATIONAL COOKING

Recommended Preparation: CULIN 113.

DANCE 50

DANCE INTERNSHIP

DANCE 50 is a discipline-specific course, which allows students to earn from 1-3 units for structured, supervised work on-campus or off-campus in the field of dance under the supervision of a faculty advisor. It is designed to provide students with hands-on, discipline-linked work experience that will extend their knowledge and understanding of career demands in dance. **Note:** This course is Pass/No Pass only. **Note:** This course may be taken four times; a maximum of 12 units may be earned. Students must arrange an approved internship prior to enrolling in this class. **Prerequisite:** DANCE 107 (DANCE 107 may be taken concurrently). **Recommended Preparation:** ENGL 101 or ESL 141.

DANCE 100

SURVEY OF DANCE HISTORY

DANCE 100 is a survey of dance forms created by diverse cultures and civilizations. Students will learn the prehistory of dance and development of dance in ancient Egypt, Greece, and Rome, followed by an investigation of the history of dance in the western world through the Christian era into contemporary times. Elements relating to social dance, ethnic dance, court dance, ballet, modern dance, musical theater dance, jazz, and tap dance are included. Emphasis is placed on integrating the development of dance forms with the geographic, social, political, philosophical, and religious characteristics of these cultures. **Note:** This course will not fulfill physical education activity requirements.

DANCE 101

INTRODUCTION TO DANCE

DANCE 101 provides students with a basic understanding of dance as a performing art form. Students will participate in movement exercises and explore dance concepts and skills including aspects of individual and group dynamics and use of space.

DANCE 102

MIDDLE EASTERN DANCE HISTORY

DANCE 102 is a survey of dance forms originating in North Africa, the Arabian Peninsula, Iran, Armenia, the Levant and Turkey, with emphasis placed on their practice and development during the 19th and 20th centuries. An overview of Middle Eastern and Islamic values in relation to the body, gender, art, and spirituality provides a context for the examination of these dance forms and their relationship to the culture that created them. Students will learn elements relating to social dance, gendered dance, spiritual dance, Raqs Sharqi ('Belly Dance'), and theatrical dance. This course also investigates the role of cultural exchange and the migration and development of these dance forms. **Note:** This course will not fulfill physical education activity requirements.

DANCE 107

SURVEY OF DANCE TEACHING METHODOLOGY

DANCE 107 is a survey of dance teaching methodologies currently used in the dance industry. Students will learn an introduction of dance technique methodology and age appropriate dance pedagogy, lesson planning, dance program development, and student evaluation processes. **Note:** This course will not fulfill physical education activity requirements. **Transfer Credit:** CSU, UC.

DANCE 110

BALLET TECHNIQUE I

DANCE 110 provides students with practical experience in the traditional ballet techniques and styles. Through demonstration, exercise, and discussion, students will learn the development of the basic physical skills, ballet vocabulary, alignment, coordination, and mental discipline necessary to excel in all dance forms.

DANCE 111

BALLET TECHNIQUE II

DANCE 111 provides students with practical experience in the traditional ballet techniques and styles on an intermediate level. Through exercise and discussion students will learn the physical skills, ballet vocabulary, alignment, coordination, and mental discipline necessary for intermediate performance skills.

DANCE 112**BALLET PERFORMANCE SKILLS**

DANCE 112 provides students with practical experience in performance skills and technical development. Students will learn specific training methods and performance styles of the historic ballet traditions.

DANCE 114**BALLET TECHNIQUE III**

DANCE 114 provides students with practical experience in the contemporary ballet techniques and styles on an advanced level. Through exercise and discussion students will learn advanced technical skills, performance skills, and audition techniques.

DANCE 115**MODERN DANCE TECHNIQUE I**

DANCE 115 provides students with practical experience in modern dance techniques and styles. Through demonstration, exercise, and discussion students will learn the development of the basic physical skills, dance vocabulary, alignment, and coordination necessary to excel in various modern dance forms.

DANCE 116**MODERN DANCE TECHNIQUE II**

DANCE 116 provides an opportunity to extend students' knowledge of intermediate modern dance technique. Through demonstration, exercise, and discussion, students will learn technical detail and control of the body needed in intermediate modern dance.

DANCE 117**MODERN DANCE TECHNIQUE III**

DANCE 117 provides students with practical experience in contemporary/modern dance techniques and styles on an advanced level. Through exercise and discussion students will learn advanced technical skills, performance skills, and audition techniques.

DANCE 118**MODERN DANCE PERFORMANCE SKILLS**

DANCE 118 provides students with practical experience in modern dance performance skills and technical development. Students will learn specific training methods and performance styles of modern dance. **Note:** An audition may be required.

DANCE 119**HIP-HOP PERFORMANCE SKILLS**

DANCE 119 provides students with practical experience in hip-hop performance skills and advanced technical development. Students will learn performance values and rehearsal techniques necessary to meet the demands of current professional dance for theater, film, and television. **Note:** An audition may be required.

DANCE 120**JAZZ TECHNIQUE I**

DANCE 120 provides students with practical experience in the jazz dance techniques and styles. Through demonstration, exercise, and discussion students will learn the development of the basic physical skills, dance vocabulary, alignment, and coordination necessary to excel in various jazz dance forms.

DANCE 121**JAZZ TECHNIQUE II**

DANCE 121 provides further opportunities to extend student's knowledge of jazz dance technique. Students will learn the techniques to meet the demands for dance in theatre, film, and video today.

DANCE 122**JAZZ PERFORMANCE SKILLS**

DANCE 122 provides students with practical experience in performance skills. Emphasis is given to specific advanced technical development. Students will learn performance values and rehearsal techniques necessary to meet the demands of current profession and dance for theater, film, and television.

DANCE 124**HIP-HOP I**

DANCE 124 provides students with practical experience in current hip-hop techniques, such as popping, locking, and ticking. Through exercise and discussion students will learn coordination, strength, cardiovascular fitness, and the rhythm necessary to meet the demands of high intensity performance skills in popular street dance trends. Students are also encouraged to develop individual interpretation and personal style indigenous to this dance form.

DANCE 125**TAP DANCE I**

DANCE 125 provides students with practical experience in basic tap dance techniques. Through discussion and movement, students will learn coordination, rhythm, and performance skills. A brief history of the development of the tap dance medium is included.

DANCE 126**TAP DANCE II**

DANCE 126 provides students with advanced, practical experience in tap dance techniques. Through discussion and movement, students will learn advanced coordination, rhythm, and performance skills.

DANCE 127**SALSA I**

DANCE 127 provides students with practical experience in beginning salsa dance. Through discussion and movement, students will learn coordination, rhythm, and partnering skills. Students learn beginning salsa moves and patterns.

DANCE 128**MIDDLE EASTERN DANCE**

DANCE 128 provides students with beginning level practical experience in Belly Dance and a selection of related ethnic dance forms originating in Armenia, Egypt, Morocco, Iran, Turkey, and Afghanistan. Through discussion, study, and demonstration of the movement vocabulary, students will learn basic technical and interpretational skills. The course includes an introductory exploration of the historical and cultural context of the selected dances.

DANCE 129**HIP-HOP II**

DANCE 129 provides further opportunities to extend students' knowledge of popular dance culture. Students will learn intermediate and advanced Hip-Hop techniques to meet the demands for dance in video and dance clubs today.

DANCE 130**CHOREOGRAPHY I**

DANCE 130 provides students with basic skills and knowledge of the choreographic principles. Through discussion and practical experience, students will learn a basic understanding of choreography for dance on stage and other performance mediums.

DANCE 131**COMMERCIAL DANCE**

DANCE 131 provides students with a working knowledge of the dance industry. Students receive an inside look at film, television, and stage work, and develop technical dance excellence and performance skills. Students will learn skills to prepare for entrance into the dance field with audition, rehearsal and performance techniques. **Note:** An audition may be required.

DANCE 133**SALSA II**

DANCE 133 provides students with practical experience in intermediate salsa dance. Through discussion and movement, students will learn the development of coordination, rhythm, and partnering skills. Students learn intermediate salsa moves and patterns to meet the demands for dance in the commercial industry and in dance clubs today.

DANCE 135**DANCE PRODUCTION-REPertoire**

DANCE 135 provides students with the opportunity to perform in a dance production choreographed by faculty and alumni. Students will learn the integration of technical skills and advanced performance skills. **Note:** An audition may be required.

DANCE 136**DANCE PRODUCTION-STUDENT CHOREOGRAPHY**

DANCE 136 provides students with the opportunity to choreograph and perform in a dance production. Students will learn the integration of technical skills, performance experience, and application of the choreographic principles. **Note:** An audition may be required.

DANCE 137**JAZZ TECHNIQUE III**

DANCE 137 provides students with practical experience in advanced jazz techniques and styles. Through exercise and discussion students will learn advanced technical skills, performance skills, and audition techniques.

DANCE 138**LATIN BALLROOM DANCE**

DANCE 138 provides students with practical experience in Latin Ballroom dance. Students will learn popular Latin Ballroom dances such as Cha-Cha, Samba, Rumba, Mambo, Merengue, and Paso Doble.

DANCE 139**CHOREOGRAPHY II**

DANCE 139 provides students with the opportunity to choreograph an original work for dance production. Students will learn the practice of the choreographic process through the development of a choreography integrating the choreographic principles, form, and structure. **Note:** An audition may be required.

DANCE 140**MOVEMENT FOR THEATER**

DANCE 140 provides students the opportunity to study stage movement, physical characterization and mime as related to theatre. Students will learn the movement aspects of theatre through practical application.

DANCE 145**MOVEMENT FOR MUSICAL THEATER**

DANCE 145 provides students with the opportunity to study dance, choreography, and movement as it applies to musical theater. Students will learn character development and blocking as it pertains to the musical narrative. The class culminates in the performance of a musical.

DANCE 150**PHYSICAL REINTEGRATION**

DANCE 150 is an experimental movement class, for the student with neurological and/or physical disabilities. Students will learn exploration of body image awareness; integration of sensory modalities with motor processes; orientation; and relaxation. **Note:** Verification of disability must be on file in the Disabled Student Center.

DANCE 190**BEGINNING YOGA**

DANCE 190 introduces students to the principles and techniques of yoga. Students will learn yoga positions to facilitate stretching and toning muscles, limbering joints, and aiding spinal alignment. Students will use yoga breathing techniques and meditation exercises to revitalize the body and calm the mind.

DANCE 194**PILATES**

DANCE 194 provides students with practical experience in the mat work of the Pilates method of body conditioning. Through demonstration, exercise, and discussion students will learn the development of strength, flexibility, and relaxation techniques. Students will also develop a basic understanding of how to influence and control the body-mind interaction in the area of dance, athletics, and general fitness.

ECON 170**INTRODUCTION TO GLOBAL STUDIES**

ECON 170 introduces students to the interdisciplinary field of Global Studies, including the history of globalization. Economic, political, social, cultural, and ecological developments related to the process of globalization will also be explored. Students evaluate topics such as NGOs (non-governmental organizations), the global economy, and transnational population trends. **Note:** This course is cross-listed with GEOG 170 and POL S 170. This course may not be taken for credit by students who have completed GEOG 170 or POL S 170. **Recommended Preparation:** ENGL 101 or ESL 151.

EMS 246**DIVERSE PATIENT POPULATIONS**

4.0 Units

EMS 246 introduces the paramedic to concepts in assessing and meeting the emergency care needs of the geriatric, neonate, pediatric patients and persons with disabilities. The course will focus on epidemiology, pathophysiology, assessment, and treatment of these patient demographics. The course also integrates medical and trauma assessments of these patients with psychosocial, ethnocultural, legal, and ethical considerations for these (and all) patients. This course addresses how to treat these diverse populations who may require adjustments to traditional treatment and assessment modalities.

ENGR 50**ENGINEERING INTERNSHIP**

ENGR 50 is a discipline-specific course which allows students to earn from 1-3 units for structured, supervised work on-campus or off-campus in the field of engineering under the supervision of a faculty advisor. It is designed to provide students with hands-on, discipline-linked work experience that will extend their knowledge and understanding of career demands in engineering. **Note:** This course is Pass/No Pass only. **Note:** This course may be taken four times; a maximum of 12 units may be earned. Students must arrange an approved internship prior to enrolling in this class. **Recommended Preparation:** ENGL 101 or ESL 141.

ENGR 101**ENGINEERING DRAFTING AND BASIC DESIGN**

ENGR 101 covers the fundamentals of traditional board drafting, descriptive geometry, orthographic projection and the graphical communication of technical engineering information. Students learn to create complete and accurate drawings that concisely communicate an engineering design. Topics include freehand drawing, lettering, and theory of orthographic and multi-view projections. Basic drafting skills, industry standards and technical graphics practices, and engineering and architecture scales are presented. The glass box theory is used to visualize orthographic projection as well as the fundamentals of auxiliary views, coordinate systems, sectioning, dimensioning, intersection of planes, visibility, lines and order of precedence of line types. Coordination dimensioning and geometric dimensioning and tolerancing (GD&T) subjects are covered including location tolerance, datum reference, tolerance symbols and feature control frames. **Recommended Preparation:** ENGL 101 or ESL 151.

ENGR 102**ENGINEERING PRINT READING FOR INDUSTRY**

Recommended Preparation: ENGL 101 or ESL 151.

ENGR 117**Introduction to Engineering Technology**

Recommended Preparation: ENGL 101 or ESL 141 and MATH 100.

ENGR 120**3D Printing and Modeling**

Recommended Preparation: ENGR 111, ENGR 122, ENGL 101 or ESL 141, and MATH 100.

ENGR 130**Introduction to Robotics**

Recommended Preparation: ENGL 101 or ESL 141 and MATH 100.

ENGL 102**CRITICAL THINKING AND LITERARY ANALYSIS**

ENGL 102 helps students to develop and refine their critical thinking and writing skills beyond the level achieved in ENGL 101 as those skills apply to literary analysis in academic writing. The course emphasizes the selection and analysis of textual evidence and the application of logical and traditional reasoning, inquiry-driven research focusing on literature and literary analysis to produce thoughtful arguments. Writing skills are taught using literature from diverse perspectives (both fiction and non-fiction) and literary criticism as subject matter. Students also receive instruction in literary research, apply revision strategies to refine their work, and complete a fully documented research paper. Students develop a broader understanding of the human condition through the study of literature from a range of time periods and cultures.

ENGL 102H**HONORS CRITICAL THINKING AND LITERARY ANALYSIS**

ENGL 102H helps students to develop and refine their critical thinking and writing skills beyond the level achieved in ENGL 101 as those skills apply to literary analysis in academic writing. The course emphasizes the selection and analysis of textual evidence and the application of logical and traditional reasoning, inquiry-driven research focusing on literature and literary analysis to produce thoughtful arguments. Writing skills are taught using literature from diverse perspectives (both fiction and non-fiction) and literary criticism as subject matter. Students also receive instruction in literary research, apply revision strategies to refine their work, and complete a fully documented research paper. Students develop a broader understanding of the human condition through the study of literature from a range of time periods and cultures. The honors course will be enhanced in one or more of the following ways: 1. Accelerated standards of reading levels, emphasizing major writers; 2. Accelerated standards of critical thinking, including critical writing and problem-centered research; 3. Introduction to and emphasis on types or schools of literary criticism, including professional models of such.

ENGL 104**CRITICAL THINKING AND ARGUMENTATION**

ENGL 104 develops further practice in critical thinking, analytical reading, and scholarly writing skills by building on skills acquired in ENGL 101. Students gain a more advanced understanding of the selection of textual evidence, rhetoric, and the relationship between language and logic. Students learn writing skills within the context of contemporary ideas with a focus on effective reasoning and sound argumentation. Selected readings reflect an appreciation of diverse rhetoric and culturally relevant arguments. The course also provides instruction in advanced research strategies to develop a research-driven essay that contributes to ongoing conversations. *Prerequisite:* ENGL 101 or equivalent.

ENGL 105

SURVEY OF ENGLISH LITERATURE FROM ANGLO-SAXON PERIOD TO 1780

ENGL 105 is a survey course covering the development of English Literature from the Anglo-Saxon period to 1780, emphasizing the evolution of cultural, religious, and political ideas which frame that literature, including issues of freedom, equity, and social class, slavery and colonialism, and attitudes regarding gender and sexuality, as well as race and ethnicity. **Recommended Preparation:** ENGL 101 or ESL 151.

ENGL 127

CHILDREN'S LITERATURE

ENGL 127 introduces students to representative and unique works of children's literature, and develops students' close reading and analytical writing skills. We investigate the artistic and psychological features of literature written for children, and explore the political implications of writing and publishing trends in children's literature. We examine the production of children's literature in historical terms, analyzing tales from the oral tradition, the advent of print, and modern publishing and delivery methods, while also investigating children's reception of and interaction with content and form. **Recommended Preparation:** ENGL 101 or ESL 151.

ENGL 130

SCIENCE FICTION LITERATURE

ENGL 130 explores the evolution and influence of science fiction and fantasy literature from the late 19th Century to the present, concentrating on 20th and 21st Century writers. How does fantasy reflect real world fears and desires? How does science fiction comment on contemporary social issues? Students examine the history, major themes, and function of science fiction and fantasy to uncover the links between imaginative literature and our reality. **Recommended Preparation:** ENGL 101 or ESL 151.

ENTRE 104

LAUNCH YOUR OWN BUSINESS

3.0 Units

ENTRE 104 is a hands-on course where students learn action steps to launch a business. It's perfect for students who know about business and want to protect their ideas. In this class, students address real-world problems in the local community and find business opportunities related to their ideas and services. The curriculum centers on three key inclusive innovation topics: 1) working with local partners to launch new product(s), 2) creating ideas and prototypes, and 3) protecting students' ideas and licensing. Lecture 3 hours. **Recommended Preparation:** ENTRE 101, 102, and 103 or BUSAD 158. **Transfer Credit:** CSU.

ESL 155

LISTENING AND SPEAKING V

ESL 155 is designed to help advanced non-native English speakers to effectively speak publicly in English. Students are introduced to communication theories and various public speaking and listening comprehension strategies. The course focuses on cross-cultural communication, vocabulary, challenges for non-native English speakers, idioms, and pronunciation in a variety of public speaking environments. Students strengthen their speaking skills by analyzing their accent and non-verbal behavior, practicing in groups, and making informative and persuasive presentations. Speaking topics focus on local and global awareness, social justice and socio-cultural identities.

ESL 156

CRITICAL READING AND WRITING

ESL 156 is designed to help advanced non-native English language students to review reading comprehension strategies and critical analysis of culturally and internationally diverse literary works in all major genres, including: poetry, drama, essays, research articles, non-fiction, and fiction. These works highlight global awareness, social justice, and socio-cultural identities. Students will develop analytical, integrative, research, and writing skills while exploring multicultural perspectives with a focus on the influence of non-European and non-Western cultures. Content, vocabulary, and style of various texts in the English language are explored through the lens of different ethnic groups within the United States. Formal writing assignments total at least 5000 words. **Prerequisite:** Placement is based on ESL Self-Placement Survey or completion of ESL 146. **Recommended Corequisites:** ESL 151 and ESL 155.

ETH S 165

INTRODUCTION TO RESTORATIVE JUSTICE

Recommended Preparation: ENGL 101 or ESL 151.

ETH S 166

RACE AND THE LAW

ETH S 166 will explore the historical and contemporary treatment of race in the United States by both the courts and the legislature. The course employs an interdisciplinary approach to examining the social forces that have and continue to shape the legal system and its impact on American Indians, African Americans, Latinos/as, Asian Americans, Muslims, and other social minority groups. We examine race from a multiracial and multiethnic perspective. Students from all backgrounds are invited to participate in this course. **Recommended Preparation:** ENGL 101 or ESL 151.

FIL 101

BEGINNING FILIPINO I

5.0 Units

FIL 101 teaches the fundamentals of Filipino grammar in a cultural context. Students are trained to utilize correct pronunciation in Filipino, to acquire a small working vocabulary which they use in conversation and writing, and to read simple Tagalog. The class is taught primarily in Filipino. **Note:** Students with oral proficiency or who have attended schools where Tagalog was the language of instruction should enroll in FIL115. Lecture 5 hours. **Recommended Preparation:** ENGL 101 or ESL 141. **Transfer Credit:** CSU, UC.

FIL 102

BEGINNING FILIPINO II

5.0 Units

FIL102 continues the work begun in FIL101, presenting the fundamentals of Filipino grammar in a cultural context. It emphasizes correct pronunciation and presents more difficult elementary prose. The discussions in Filipino stress the correct use of verbs and idioms and efficient methods of vocabulary building. The course is taught primarily in Filipino. Lecture 5 hours. **Prerequisite:** FIL 101. **Transfer Credit:** CSU, UC.

FIL 115

FILIPINO FOR THE FILIPINO SPEAKING I

FIL 115 is designed for heritage speakers of Filipino or other linguistically qualified students. It provides instruction that builds upon the existing reading, writing, speaking and listening skills and the cultural heritage and knowledge of these students. Structure of the language, oral and written communication, fundamentals of grammar, and composition are included. The course increases awareness of linguistic registers, introduces a more advanced vocabulary beyond the familiar routine and develops an appreciation for Philippine cultures as manifested in Filipino speaking populations in the homeland and in the United States. This course is conducted entirely in Filipino. **Note:** Heritage and native speakers of Filipino that wish to enroll and do not meet the prerequisite may contact the Language Arts Division to have the prerequisite waived. Lecture 5 hours. **Prerequisite:** FIL 102. **Transfer Credit:** CSU, UC.

FIRE 101

PRINCIPLES OF FIRE EMERGENCY SERVICES

FIRE 101 provides an overview to fire protection and emergency services. Students will learn about career opportunities in fire protection and related fields, an introduction to fire strategy and tactics, and the culture and history of emergency services. Topics include fire loss analysis, organization and function of public and private fire protection services, fire departments as part of local government, laws and regulations affecting the fire service, fire service terms, specific fire protection functions, basic fire chemistry and physics, introduction to fire protection systems, and life safety initiatives. **Recommended Preparation:** ENGL 101 or ESL 151.

FIRE 102**FIRE BEHAVIOR AND COMBUSTION**

FIRE 102 introduces the student to fire behavior and emergency response at the scene of all types of fires. This course explores the theories and fundamentals of how and why fires start, spread, and are controlled.

Recommended Preparation: ENGL 101 or ESL 151.

FIRE 103**FIRE PREVENTION**

Recommended Preparation: ENGL 101 or ESL 151.

FIRE 104**BUILDING CONSTRUCTION FOR FIRE PROTECTION**

FIRE 104 provides Fire Technology and other interested students with an understanding of the essential components used in building construction that directly relates to fire safety. The elements of construction and design of structures, factors when inspecting buildings, preplanning fire operations, and operating at emergencies will be discussed. The development and evolution of building and fire codes will be studied in relationship to past fires in residential, commercial, and industrial occupancies. **Recommended Preparation:** ENGL 101 or ESL 151.

FIRE 105**FIRE PROTECTION SYSTEMS**

FIRE 105 introduces students to the features, design, and operation of fire alarms and suppression systems. Topics include water-based suppression systems, special hazard fire suppression systems, water supply for fire protection, and portable fire extinguishers. **Recommended Preparation:** ENGL 101 or ESL 151.

FIRE 106**PRINCIPLES OF FIRE AND EMERGENCY SERVICES SAFETY AND SURVIVAL**

FIRE 106 introduces students to 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. Topics include risk evaluation, control procedures and is based on national and state fire education curriculum. **Recommended Preparation:** ENGL 101 or ESL 141.

FIRE 108**FIRE APPARATUS AND EQUIPMENT**

FIRE 108 covers the general technical knowledge of driving laws, driving techniques, construction, and operation of pumping engines, ladder trucks, aerial platforms, and specialized equipment. Students also learn about firefighter licensing programs in California and apparatus maintenance procedures. **Recommended Preparation:** ENGL 101 or ESL 141.

FIRE 112**WILDLAND FIRE CONTROL**

FIRE 112 is designed to provide students, whether they are employed firefighters or fire technology majors, with fundamental knowledge of wildland fire control, wildland fire suppression techniques and basic terminology in wildland fire behavior. **Recommended Preparation:** ENGL 101 or ESL 141.

FIRE 114**HAZARDOUS MATERIALS**

FIRE 114 is an introduction to hazardous materials and the levels of incident management. Students will learn the problems of flammability as encountered by firefighters when dealing with toxic substances, as well as concerns tied to fuels, explosives, oxidizers and radioactive materials. Students will review firefighting practices and procedures pertaining to hazardous materials response. **Recommended Preparation:** ENGL 101 or ESL 141.

FIRE 116**FIRE ACADEMY I**

FIRE 116 trains students in the theory and practice of fire fighting technology. Topics include organization of the fire service, fire characteristics and behavior, fire prevention and public education, extinguishing agents, fire protection systems, and fire service communications. This course, together with FIRE 117, Fire Academy II, FIRE 118, Fire Academy III and FIRE 119, Fire Academy IV meets the State Board of Fire Services training requirements for Firefighter 1 certification. **Note:** Students taking this course will be required to engage in strenuous physical activity and will train in a para-military environment. **Recommended Preparation:** ENGL 101 or ESL 141.

FIRE 117**FIRE ACADEMY II**

FIRE 117 is designed to train students in the theory and practice of fire fighting technology. Topics include use and application of self-contained breathing apparatus, salvage and overhaul operations, fire control techniques, fire hose, nozzles, streams and water supply, fire service ground ladders, and portable fire extinguishers. This course together with FIRE 116, FIRE118, and FIRE119 meets the State Board of Fire Services training requirements for Firefighter I certification. **Note:** Students taking this course will be required to engage in strenuous physical activity and will train in a para-military environment.

FIRE 118**FIRE ACADEMY III**

FIRE 118 is designed to train students in the theory and practice of fire fighting technology. Topics include techniques of firefighting tool and equipment, ventilation techniques, rapid intervention team operations, rescue, vehicle extrication, forcible entry, and wild land firefighting operations. This course together with FIRE 116, FIRE 117, and FIRE 119, meets the State Board of Fire Services training requirements for Firefighter I certification. **Note:** Students taking this course will be required to engage in strenuous physical activity and will train in a para-military environment.

FIRE 119**FIRE ACADEMY IV**

FIRE 119 is designed to train students in the theory and practice of fire fighting technology. Topics include urban search and rescue operation, rescue systems, trench rescue operations, the incident command system, and hazardous materials including weapons of mass destruction. The course also provides students with live fire exercises in flammable liquids, compressed gases, aircraft and survival, and advanced structural firefighting techniques. Multi-company fire ground operations, including truck and engine company operations are included. This course together with FIRE 116, FIRE 117, and FIRE 118, meets the State Board of Fire Services training requirements for Firefighter I certification. **Note:** Students taking this course will be required to engage in strenuous physical activity and will train in a para-military environment.

FIRE 144**PHYSICAL STANDARDS FOR THE FIREFIGHTER**

Recommended Preparation: FIRE 101, ENGL 101 or ESL 141, and KIN 167 or KIN 168.

FREN 48**FRENCH INTERNATIONAL FIELD STUDIES**

FREN 48 provides college credit to study French in foreign countries under the direction of a Glendale College instructor. Travel and studies are at the student's own expense for programs provided by agencies approved in advance by the College. **Note:** This course may be taken four times; a maximum of 12 units may be earned. Each repetition must be in a different country and/or area of the world. **Corequisite:** Concurrent registration in 6 or more units or equivalent.

GEOG 102**CULTURAL GEOGRAPHY**

GEOG 102 is a systematic study of the spatial distribution of cultural traits: population, religion, language, economic activities, and settlements and their interactions with the landscape. Emphasis is placed upon selected cultural or environmental conflicts. **Recommended Preparation:** ENGL 101 or ESL 151.

GEOG 155**INTRODUCTION TO GEOGRAPHIC INFORMATION SYSTEMS**

Prerequisite: None.

GEOG 170**INTRODUCTION TO GLOBAL STUDIES**

GEOG 170 introduces students to the interdisciplinary field of Global Studies, including the history of globalization. Economic, political, social, cultural, and ecological developments related to the process of globalization will also be explored. Students evaluate topics such as NGOs (non-governmental organizations), the global economy, and transnational population trends. **Note:** This course is cross-listed with ECON 170 and POL S 170. This course may not be taken for credit by students who have completed ECON 170 or POL S 170. **Recommended Preparation:** ENGL 101 or ESL 151.

GEOG 171**GLOBAL ISSUES**

Recommended Preparation: ENGL 101 or ESL 151.

GEOL 49**GEOLOGY INDEPENDENT STUDY**

GEOL 49 provides independent exploration to familiarize students with research techniques, career options, and special academic interests in geology. Emphasis shall be on individual research projects, library research, and/or preparation of research papers. There is no prescribed course content. Students develop and complete a research project approved by the sponsoring instructor and division chairperson. **Note:** Registration is open to any student at GCC who is currently registered for six or more units and who is admitted to Independent Study by the instructor. A student is limited to one Independent Study per semester and no more than 12 units credit toward the AA Degree or Certificate, and no more than six units per division. The units received may be acceptable for college transfer subject to the approval of the individual college. This course may be taken 3 times; a maximum of 9 units may be earned.

HIST 102H**HONORS WORLD HISTORY FROM 1500 TO PRESENT**

Recommended Preparation: ENGL 101 or ESL 151.

HIST 133H**HONORS HISTORY OF SCIENCE**

Recommended Preparation: ENGL 101 or ESL 151.

HIST 135**THE VIETNAM WAR AND CULTURAL LEGACIES**

Recommended Preparation: ENGL 101 or ESL 151.

HIST 136

WAR: HISTORY, CAUSES, SOLUTIONS

HIST 136 examines the history of war, including ancient warfare, the Middle Passage, the rise of modern war, and the development of total war. Through an interdisciplinary approach, we explore the immediate causes of war, including historical, economic, political, anthropological, sociological, and psychological. We will probe the moral and philosophical aspects of war, including the impact of war on civilians. We also explore solutions to war, including diplomacy, treaties, the United Nations, a one-world government, and the dismantling of nation-states.

Recommended Preparation: ENGL 101 or ESL 151.

HIST 152

SOCIAL PROTEST IN THE 1960'S

Recommended Preparation: ENGL 101 or ESL 151.

ITAL 130

ITALIAN CULTURE AND CIVILIZATION THROUGH CINEMA

Recommended Preparation: ENGL 101 or ESL 151.

JAPAN 132

CULTURAL AWARENESS THROUGH CONVERSATION

3.0 Units

JAPAN 132 is a course of intensive practice for improving oral communicative skills in the Japanese language while exploring culturally significant topics in the Japanese cultures. By means of a variety of media such as short films, comic strips, manga, and readings in different genres by important literary figures, students participate in conversational activities as they review and practice the use of grammatically correct constructions, expand their vocabulary to enable them to express their opinions, and develop their socio-cultural awareness. Class is conducted primarily in Japanese. Lecture 3 hours. **Recommended Preparation:** JAPAN 102. **Transfer Credit:** UC, CSU.

JOURN 49

JOURNALISM INDEPENDENT STUDY

JOURN 49 provides independent exploration to familiarize students with research techniques, career options, and special academic interests in journalism. Emphasis shall be on individual research projects, library research, and/or preparation of research papers. There is no prescribed course content. Students develop and complete a research project approved by the sponsoring instructor and division chairperson. **Note:** Registration is open to any student at GCC who is currently registered for six or more units and who is admitted to Independent Study by the instructor and division chair. A student is limited to one Independent Study per semester and no more than 12 units credit toward the AA Degree or Certificate, and no more than six units per division. The units received may be acceptable for college transfer subject to the approval of the individual college. This course may be taken 3 times; a maximum of 9 units may be earned. **Prerequisite:** JOURN 103 and JOURN 104. **Corequisite:** Concurrent registration in 6 or more units.

JOURN 50

JOURNALISM INTERNSHIP

JOURN 50 is a discipline-specific course, which allows students to earn from 1-3 units for structured, supervised work on-campus or off-campus in the field of journalism under the supervision of a faculty advisor. It is designed to provide students with hands-on, discipline-linked work experience that will extend their knowledge and understanding of career demands in Journalism. **Note:** This course is Pass/No Pass only. **Note:** This course may be taken four times; a maximum of 12 units may be earned. Students must arrange an approved internship prior to enrolling in this class. **Prerequisite or Corequisite:** Enrollment in appropriate discipline-specific theory or lab course at GCC. **Recommended Preparation:** ENGL 101 or ESL 141.

JOURN 102

REPORTING THE NEWS

JOURN 102 is an introductory course in the gathering and writing of news, features, and editorials. Students learn to write clearly and concisely via laboratory drills in journalism fundamentals. Topics of study include: news sources, acceptable pitch forms for stories, style and method of various mainstream media outlets, rudimentary copyediting, and law and ethics of media and communication. Students use newspapers and other media at the local community level as well as the national and international metropolitan levels as learning tools. **Recommended Preparation:** ENGL 101 or ESL 151, or equivalent. **Transfer Credit:** UC (Effective Spring 2025)

JOURN 103

STUDENT PUBLICATIONS STAFF

JOURN 103 is a course in writing news, feature, and editorial copy, copy reading and editing, headline writing, newspaper layout and make-up, and the mechanics of newspaper production. Students study laws and ethics of the press and there is an overall emphasis on the function and responsibility of the newspaper. Students learn different formats, including digital, online, multimedia and broadcast journalism. This course produces the campus newspaper, El Vaquero, which publishes in both print and online format. **Recommended Preparation:** JOURN 102 and ENGL 101 or ESL 151, or equivalent.

JOURN 104

STUDENT PUBLICATIONS EDITOR

JOURN 104 is an intermediate course in writing news, feature, and opinion articles; copy reading and editing; headline writing; newspaper layout and make-up; and the mechanics of newspaper production. There is an increased emphasis on in-depth reporting for print as well as digital and broadcast media. There is further study of law and ethics of the press with an overall emphasis on the function and responsibility of the newspaper, internet and social media. There is also a greater emphasis on interpretative reporting. This course produces the campus newspaper and potentially a magazine, El Vaquero and GCC Insider, respectively, as well as the newspaper site for the paper, which include broadcast and social media platforms such as X, Snapchat, Instagram and Facebook. Students in this class assume responsibility for editing and managing El Vaquero, the print and online editions.

JOURN 106

INTRODUCTION TO BROADCAST JOURNALISM

JOURN 106 covers the process of gathering, writing, editing, and presenting the news on radio and television. Students learn writing for broadcast, news judgment, visual considerations versus sound, interviewing techniques, ethics, scripting, and news organizations' infrastructure.

JOURN 107

MAGAZINE WRITING

JOURN 107 focuses on feature writing for magazines and newspapers, as well as digital publications. Students learn how to find feature ideas and develop them into articles for student or professional publications, highlighting the creative, story-telling side of journalism. We also discuss the freelance market for feature writers. **Recommended Preparation:** ENGL 101 or ESL 151, or equivalent.

JOURN 110

PHOTOJOURNALISM

JOURN 110 provides instruction in techniques for producing photos for news and feature articles. Students learn effective ways to take photos to accompany articles and broadcast pieces, as well as to use conventional and digital photos to tell a story of their own. **Recommended Preparation:** PHOTO 100 and PHOTO 101 and ENGL 101 or ESL 151.

JOURN 210

ADVANCED NEWS WRITING

JOURN 210 emphasizes public affairs reporting, with an emphasis on journalistic law and ethics. Students will cover public meetings both on and off campus, potentially including trials, school board meetings, and city council meetings. They will also contribute an investigative piece to the college newspaper, El Vaquero. The emphasis is on print journalism, but students will also be introduced to broadcasting, the Internet and digital reporting, and podcasting/radio reporting.

JOURN 250

VISUAL COMMUNICATION

JOURN 250 surveys the most significant techniques and examples of visual communication employed in mass media, including newspapers, magazines, television, the Internet, and advertising. The course is designed to lead students to an understanding of the possibilities of visual communication in mass media. Students develop their critical thinking skills by learning the language and theory of visual media. The course introduces students to practitioners and scholars as examples about how the media uses images and how students might incorporate visual images into their own work across media disciplines. **Recommended Preparation:** ENGL 101 or ESL 151, or equivalent.

KIN 50

INTERNSHIP IN KINESIOLOGY

KIN 50 is a discipline-specific course, which allows students to earn from 1-3 units for structured, supervised work on-campus or off-campus in the field of kinesiology under the supervision of a faculty advisor. It is designed to provide students with hands-on, discipline-linked work experience that will extend their knowledge and understanding of career demands in kinesiology. **Note:** This course is Pass/No Pass only. **Note:** This course may be taken four times; a maximum of 12 units may be earned. Students must arrange an approved internship prior to enrolling in this class. **Recommended Preparation:** ENGL 101 or ESL 151, or equivalent.

KIN 144

BASEBALL THEORY

KIN 144 covers the basic theoretical foundations of the sport of baseball, including offensive and defensive strategies. Team dynamics and competitive philosophy will also be introduced. Along with KIN 146, this course prepares students for entry-level careers in baseball coaching, operations, scouting, and/or player development. **Note:** KIN 144 is recommended for Kinesiology majors and students planning to participate in varsity baseball for a second year.

KIN 146

ADVANCED BASEBALL THEORY

KIN 146 is a project-based course which focuses on the analytical dimensions of baseball. This course builds on foundational knowledge established in KIN 144 by exploring emerging theoretical models of movement and performance. Skills in baseball-specific motion analysis will be introduced, as well as the interpretation of technology-based training tools like Rapsodo. Charting and scouting skills will be developed. Along with KIN 144, this course prepares students for entry-level careers in baseball coaching, operations, scouting, and/or player development. **Note:** KIN 146 is recommended for Kinesiology majors and students planning to participate in varsity baseball for a second year.

KIN 157

PREVENTION AND CARE OF ATHLETIC INJURIES

IN 157 introduces common sports injuries, and how athletic trainers work to prevent and treat them. Students will learn the responsibilities of the athletic trainer, emergency procedures, sports-injury mechanisms, evaluation and care of sport injuries including taping and wrapping techniques. This course is recommended for kinesiology majors and those interested in athletic training as a career. **Recommended Preparation:** ENGL 101 or ESL 151, or equivalent.

KIN 228**SOCCER THEORY**

KIN 228 covers the theoretical foundations of the sport of soccer, with emphasis on strategy, game tactics, and philosophy. Rules and regulations for both intercollegiate competition and Federal International Football Association (FIFA) will be discussed. **Note:** KIN 228 is recommended for kinesiology majors. **Prerequisite:** None.

KIN 229**ADVANCED SOCCER THEORY**

KIN 229 covers advanced theory and strategies used in the sport of soccer. Emphasis is placed on advanced strategy, game tactics, philosophy, and focus on Federal International Football Association (FIFA) laws of the game. **Note:** KIN 229 is recommended for Kinesiology majors.

MACH 107***MACHINE PRACTICE I**

MACH 107 provides practice on machine shop equipment. Students work on individual projects which they retain for their use. Students learn to visualize and perform various functions necessary in the machine trade.

MACH 113***INTERMEDIATE ENGINE LATHE PROCESS**

MACH 113 is a course that provides specialized training on the engine lathe processes. Building on the basic processes, this class will develop skills working on tapering, threading, grooving, contouring both inside and out. The use of the 3 and 4 jaw chucks, faceplate and collets are studied.

MATH 101E**ALGEBRA AND TRIGONOMETRY FOR CALCULUS****4.5 Units**

MATH 101E is a course that prepares students for calculus. Topics include polynomial, absolute value, radical, rational, exponential, logarithmic, trigonometric functions and their graphs, inverses, expressions, equations, inequalities, and trigonometric identities. Lecture 4 hours/Laboratory 2 hours. **Prerequisite:** Placement is based on academic background or satisfactory completion of MATH 90. **Transfer Credit:** CSU,UC.

MATH 111**COLLEGE ALGEBRA FOR LIBERAL ARTS**

MATH 111 is a college (transfer) level course in algebra designed for Liberal Arts majors. Students explore mathematical topics pertinent to finance and the liberal arts. These topics include functions and their inverses, transformations of functions, solving equations and inequalities, logarithmic and exponential equations, applications in finance, complex numbers, systems of equations, and graphs of linear, quadratic, polynomial, exponential, and logarithmic functions.

MATH 137**STATISTICS FOR DATA SCIENCE**

MATH 137 combines descriptive statistics concepts such as probability techniques, gathering and summarizing data and relationships between variables, inferential statistics concepts such as confidence intervals, hypothesis testing such as chi-square, t-tests, and analysis of variance, decision making, and the application of technology to statistical analysis using Python. Students will study correlation and regression analyses such as linear models and the application of technology for statistical analysis including the interpretation of the relevance of the statistical findings to data science. The course teaches critical concepts and skills in quantitative reasoning and statistical analysis, in conjunction with hands-on analysis of real- world datasets, including economic data, document collections, geographical data, and social networks. It also delves into social issues surrounding the ethical use of data.

MCOMM 101
INTRODUCTION TO MASS COMMUNICATIONS
Recommended Preparation: ENGL 101 or ESL 151.

MCOMM 120
INTRODUCTION TO PUBLIC RELATIONS
Recommended Preparation: ENGL 101 or ESL 151.

MTLGY 150
PRINCIPLES OF METALLURGY AND HEAT TREATING
Transfer Credit: CSU.

MUSIC 120H
HONORS MUSIC APPRECIATION

3.0 Units

MUSIC 120H traces the evolution of music over the past 1500 years, with a special emphasis on understanding how to listen for greater enjoyment. Students learn the basic elements of music, such as form and structure, families and subgroups of musical instruments, as well as learning about specific composers and works. **Note:** This course may not be taken for credit by students who have completed MUSIC 125 or 126. This course is designed especially for non-music majors. Music majors should enroll in MUSIC 125 and 126. The student is required to attend at least one classical concert and submit a written report. The honors course will be enhanced in one or more of the following ways: 1. Students will take essay exams that require analysis of music; 2. Students may read and analyze primary source materials regarding aspects of music history; 3. Students may be required to write a research paper on a topic relevant to the content of the course. This paper must be correctly cited and referenced; 4. Students will attend a concert of music and write an analysis on the works performed. Lecture 3 hours. *Prerequisite:* None. *Transfer Credit:* CSU, UC. (C-ID MUS 100)

MUSIC 127
WORLD MUSIC

MUSIC 130
INTRODUCTION TO MUSIC EDUCATION

MUSIC 130 introduces students to Music Education is a survey of the philosophical, historical, cultural, psychological and curricular foundations of music education. Students take part in guided field observation and analysis of K-12 classes, and in-class teaching demonstrations. This course is for music majors entering or considering music teaching as a career. **Note:** Students should be able to play an instrument at the college level prior to enrolling.

MUSIC 140
APPLIED MUSIC LESSONS

MUSIC 148
SMALL PERFORMING ENSEMBLES

NUTR 50
DIETETIC SERVICES INTERNSHIP

NUTR 50 is a discipline-specific course that allows students to earn 3 units for structured, supervised work on-campus or off-campus in the field of nutrition under the supervision of a faculty advisor. It is designed to provide students with hands-on, discipline-linked work experience that will extend their knowledge and understanding of career demands in nutrition. **Note:** This course is Pass/No Pass only. **Note:** This course may be taken four times; a maximum of 12 units may be earned. Students must arrange an approved internship prior to enrolling in this class. *Prerequisite:* CULIN 111 and 113; NUTR 114 and 118 (NUTR 118 can be taken concurrently). *Recommended Preparation:* ENGL 101 or ESL 141.

NUTR 114**NUTRITION AND MENU PLANNING**

NUTR 114 examines nutrition guidelines for health maintenance and disease prevention and their relation to quantity food preparation and menu planning. The course emphasizes the development and marketing of healthy recipes and menus for various institutional food service operations, including restaurants, hotels, schools, and healthcare facilities. Topics include alternative ingredients and food preparation techniques to preserve or increase the nutritive value and acceptance of foods. **Recommended Preparation:** NUTR 125 and ENGL 101 or ESL 151.

NUTR 118**DIETARY HEALTH CARE**

Prerequisite: NUTR 114 (NUTR 114 may be taken concurrently). **Recommended Preparation:** ENGL 101 or ESL 151.

NUTR 125**ELEMENTS OF NUTRITION**

NUTR 125 presents an overview of the many aspects of nutrition, including current dietary trends and related food and nutrition controversies, the nutritive processes of the body, the functions, utilization, food sources, and recommended allowances of nutrients. It emphasizes the United States Department of Agriculture (USDA) Dietary Guidelines for Americans, as well as the general principles of eating for optimal health and disease prevention, supported by scientific research. **Recommended Preparation:** ENGL 101 or ESL 151, or equivalent.

NUTR 201***CERTIFIED DIETARY MANAGER (CDM) BOARD EXAM REVIEW**

Recommended Preparation: Dietetic Services Supervisor (DSS) Certificate and ENGL 101 or ESL 151.

OCEAN 49**OCEANOGRAPHY INDEPENDENT STUDY**

OCEAN 49 provides independent exploration to familiarize students with research techniques, career options, and special academic interests in oceanography. Emphasis shall be on individual research projects, library research, and/or preparation of research papers. There is no prescribed course content. Students develop and complete a research project approved by the sponsoring instructor and division chairperson. **Note:** Registration is open to any student at GCC who is currently registered for six or more units and who is admitted to Independent Study by the instructor. A student is limited to one Independent Study per semester and no more than 12 units credit toward the AA Degree or Certificate, and no more than six units per division. The units received may be acceptable for college transfer subject to the approval of the individual college. This course may be taken 3 times; a maximum of 9 units may be earned.

PHILO 101H**HONORS INTRODUCTION TO PHILOSOPHY**

3.0 Units

PHILO 101H is an overview of the classical and modern problems of philosophy. Students will consider the source and limits of knowledge and ethical values, and will investigate a range of philosophical issues, including problems about political justice, the self, death, art, and truth itself. The honors course is enhanced in one or more of the following ways: 1. Students have an increased responsibility for leading class discussions and facilitating group activities inside and outside the classroom. 2. Writing assignments are focused on critical thinking, the interpretation of primary sources, and the application of philosophical concepts. Lecture 3 hours. **Recommended Preparation:** ENGL 101 or ESL 151. **Transfer Credit:** CSU, UC.

PHOTO 100

DIGITAL PHOTOGRAPHY I

PHOTO 100 is an introductory digital photography course. Students will become acquainted with basic digital camera features, photo composition, and conceptual ways to create meaningful images. They will also learn digital camera controls including aperture, shutter, and light meter, methods to obtain proper exposures and creative control, and composition to improve image quality. Students will also learn the basics of image editing software such as Lightroom CC to organize and process their photographs. **Note:** Students must provide their own Adobe Lightroom CC site license. Digital Single Lens Reflex (DSLR) cameras are available for checkout from the Photography Department. Students may use their own digital camera if that camera is capable of manual operation. Students who have completed PHOTO 101 before Fall 2021 will not receive credit for this course. Studio 6 hours.

PHOTO 101

TRADITIONAL PHOTOGRAPHY I

3.0 Units

PHOTO 101 gives students a comprehensive overview of traditional photography. Students will learn traditional photography techniques, including manual film camera operation, processing black and white negative film and printing traditional prints. Students will have the opportunity to personally experience the creative potential of black and white photography. Students will work in a traditional darkroom setting. Significant photographic works are presented and discussed to provide a context for the production and critique of photographic images. **Note:** 35mm film cameras are available for checkout from the Photography Department at no cost. Studio 6 hours.

PHOTO 103

TRADITIONAL PHOTOGRAPHY II

PHOTO 103 introduces students to medium and large format film cameras and builds on black and white skills learned in PHOTO 101. Students learn to pre-visualize an image during exposure, developing, and printing processes. Students create personally inspired projects throughout the course. Significant photographic works by historic and contemporary photographers are presented to provide the diverse cultural contexts for the production of photographic images. Studio 6 hours. **Transfer Credit:** CSU, UC.

PHOTO 105

TRADITIONAL PHOTOGRAPHY III

Studio 6 hours. **Transfer Credit:** CSU, UC.

PHOTO 111

LIGHTING I

3.0 Units

PHOTO 111 explores the creative use of available light, basic studio lighting, and on-camera flash. Students learn the principles of light, lighting design in relation to concept, exposure control, and how to control light through exposure and use light modifiers. Students create projects using course content. Photographic works of significant photographers are presented throughout the course. **Note:** Students who previously completed PHOTO 106 prior to Fall 2019 will not receive credit for PHOTO 111. Studio 6 hours.

PHOTO 112

LIGHTING II

3.0 Units

PHOTO 112 is a course in which students work in the lighting studio using strobes. Students learn the principles of studio strobe lighting, key, fill, background setups, exposure control for strobes. Students learn to use and control studio strobe lighting systems. Students create projects using course content. Photographic works of significant photographers are presented throughout the course. Studio 6 hours.

PHOTO 130
DIGITAL PHOTOGRAPHY II

3.0 Units

PHOTO 130 is an intermediate digital photography course that teaches Adobe Lightroom and Photoshop for digital photography. Students create projects using their own digital photos, using Adobe Lightroom to organize and edit photos, and Photoshop to retouch and enhance their images. Significant photographic works are presented and discussed to provide a context for the production and critique of photographic images. This is required for photography majors. Studio 6 hours. **Prerequisite:** PHOTO 100 or PHOTO 101. **Transfer Credit:** CSU, UC.

PHOTO 132
DIGITAL PHOTOGRAPHY III

3.0 Units

Transfer Credit: CSU, UC.

PHOTO 136
DRONE PHOTOGRAPHY

PHOTO 136 provides students with hands-on experience creating still images using drones. Emphasis is placed on planning and executing flight plans to support camera-based capture systems on unmanned aerial vehicles (UAV). **Note:** Students seeking employment in drone operation should enroll in AT-152, Intro to Unmanned Aircraft Vehicles, to prepare for the Federal Aviation Authority (FAA) Remote Pilot License.

PHOTO 140
FINE ART PHOTOGRAPHY

3.0 Units

PHOTO 140 includes learning fine art approaches in photography. Students are guided through artistic styles, project and theme development, and technical and design techniques used in fine art photography. In this course, self-motivated projects intended for exhibition are created within a fine art context. Significant photographic works are presented and discussed to provide a context for the production and critique of photographic images. Studio 6 hours.

PHOTO 142
COMMERCIAL PHOTOGRAPHY

3.0 Units

PHOTO 142 includes commercial and editorial approaches in photography. The course provides guidance through editorial styles, project development, and techniques used in commercial photography. The course includes professional practices for photographic work. Significant photographic works are presented and discussed to provide a context for the production and critique of photographic images. Studio 6 hours.

PHOTO 144
DOCUMENTARY PHOTOGRAPHY

3.0 Units

PHOTO 144 includes documentary approaches in photography. Students are guided through documentary styles, project and theme development, and design techniques used to communicate theme. In this course, projects are created using course information. Significant photographic works are presented and discussed to provide a context for the production and critique of photographic images. **Note:** This course may not be taken by students who have completed PHOTO 118 prior to Fall 2019. Studio 6 hours.

PHOTO 146
ADVANCED PROJECTS IN PHOTOGRAPHY

3.0 Units

PHOTO 146 allows advanced photo students to concentrate on a single project for the term. The course explores and combines an aesthetic and expressive use of photography. Research and reading assignments will be made where applicable. **Note:** Students who previously completed PHOTO 107 prior to Fall 2019 will not receive credit for PHOTO 146.

PHOTO 156**PROFESSIONAL PRACTICES FOR PHOTOGRAPHERS**

PHOTO 156 is an advanced photography course covering principles and practices within the field for hire or exhibition. Students construct artist resumes and artist statements related to their work. Students learn about promotion, portfolio layout, releases, estimates, invoices, gallery negotiations, and image licensing issues for photographers. Students must have a developed body of photographic work that will be used for class projects.

Note: Students who previously completed PHOTO 115 prior to Fall 2019 will not receive credit for PHOTO 156.

PHOTO 158**CONTEMPORARY PHOTOGRAPHY AND PRACTICES**

PHOTO 158 is a survey of techniques and practices of contemporary photographers and their relationship to past practices and movements within Photography. Students examine the crossover of fine art, documentary, commercial and editorial practices as well as the impact of digital methods in photography and current trends in photographic image making. **Note:** Students who previously completed PHOTO 145 prior to Fall 2019 will not receive credit for PHOTO 158. **Recommended Preparation:** ENGL 101 or ESL 151.

PHOTO 160**PHOTOSHOP**

Transfer Credit: CSU, UC.

PHOTO 170**FIELD STUDIES IN PHOTOGRAPHY**

1.0 to 2.0 Units

Studio 2-4 hours.

PE 101**FITNESS LAB I**

PE 101 is an open laboratory physical fitness course designed to develop and encourage positive attitudes and habits around fitness. Students will be introduced to testing and training methods for cardiovascular efficiency, body composition, muscular strength and endurance, and flexibility. Exercise modalities can include the use of the Lifestyle Fitness Center, Weight Room, and outdoor activities.

PE 102**FITNESS LAB II**

PE 102 is an open laboratory physical fitness course designed to continue the development of skills and positive attitudes around fitness. Students will build on their knowledge of testing and training methods for cardiovascular efficiency, body composition, muscular strength and endurance, flexibility, and balance. Exercise modalities can include the use of the Lifestyle Fitness Center, Weight Room, and outdoor activities.

PE 103**FITNESS LAB III**

PE 103 is an open laboratory physical fitness course designed to continue the development of skills and positive attitudes around fitness. Students will build on their knowledge of testing and training methods for health-related and skill-related components of fitness. Exercise modalities can include the use of the Lifestyle Fitness Center, Weight Room, and outdoor activities.

PE 104**FITNESS LAB IV**

PE 104 is an open laboratory physical fitness course designed to continue the practice and development of skills and positive attitudes around fitness. Students will build on their knowledge of testing and training methods for a variety of fitness goals, and apply them to support a lifelong physical activity plan. Exercise modalities can include the use of the Lifestyle Fitness Center, Weight Room, and outdoor activities.

PE 140**BADMINTON I**

PE 140 provides instruction in the fundamental skills, rules and game play in the sport of badminton. This course develops singles and doubles strategies, introduces competitive play, and encourages badminton as a lifelong physical activity.

PE 141**BADMINTON II**

PE 141 provides instruction in intermediate level techniques and strategies in badminton. This course focuses on body mechanics and fitness for game play, and develops more advanced shots and strategies for both singles and doubles.

PE 142**BADMINTON III**

PE 142 provides instruction in advanced level techniques and strategies in badminton. Mastery of body mechanics, fitness, and advanced skills are emphasized, as well as development of advanced shots and game play strategies for both singles and doubles.

PE217**BRAZILIAN JIU-JITSU I**

PE 217 instructs students in the basics of the martial art of Brazilian Jiu-Jitsu. Instruction focuses on nogi, ground-based techniques including guard positions, mount positions, escapes, sweeps and submissions. Application focuses on development of fundamental techniques, conditioning and body control as well as the philosophical principles of the art.

PE 218**BRAZILIAN JIU-JITSU II**

PE 218 builds on the fundamentals of Brazilian Jiu-Jitsu taught in PE 217. Instruction introduces gi concepts, ground-based techniques including transitions between techniques and self-defense and sport strategies. Application focuses on practicing the ability to "flow", conditioning and body control as well as the philosophical principles of the art.

PE 219**BRAZILIAN JIU-JITSU III**

PE 219 applies the intermediate skills taught in PE 218 to match situations and self-defense. Instruction focuses on differences between gi and nogi Brazilian Jiu-Jitsu and advanced ground techniques and takedowns. Application focuses on the mastery of fundamental techniques and transitions and the ability to train effectively with a partner.

PE 295**WALKING FOR HEALTH AND FITNESS I**

PE 295 is an introduction to the benefits of an organized walking program. The class provides the student with various methods of walking to achieve whole-body fitness, flexibility, and increased cardiovascular health efficiency. The course also discusses methods of using walking as a form of weight control and stress management in addition to achieving a healthy lifestyle. This class is ideal for the student wishing a low-impact aerobic workout.

PE 296**WALKING FOR HEALTH AND FITNESS II**

PE 296 builds on the fundamentals of a fitness walking program. Fitness walking techniques include: building cardiovascular and muscular endurance, utilizing walking for weight management, and training to complete a 5-10K walk/run race. This course also covers injury prevention, recovery, pacing and intensity.

PE 297**WALKING FOR HEALTH AND FITNESS III**

PE 297 builds on intermediate level fitness walking skills and introduces strategies used to achieve higher fitness levels. Principles of fitness programming, recovery, and prevention of overtraining are emphasized. Advanced concepts such as race-walking, hiking and transitioning from walking to running are introduced, as well as the utilization of walking for lifelong fitness.

POL S 102**MODERN COMPARATIVE GOVERNMENTS**

POL S 102 is a comparative study of the constitutional principles, governmental institutions, political parties, and recent history of policy and action of selected foreign governments. Students will explore democratic and authoritarian political regimes. Conflict in deeply divided societies, political violence, reform, and revolution will be investigated. **Prerequisite:** POL S 101 or 103.

POL S 104**INTRODUCTION TO POLITICAL THEORY**

POL S 104 is an introduction to the history of political theory. What is justice? How do the meanings of equality and freedom impact state policies? Students will explore debates around these issues, including when revolution is justified and the meaning of democracy.

POL S 108**POLITICS AND PRACTICE OF THE UNITED NATIONS**

Recommended Preparation: ENGL 101 or ESL 151.

POL S 110H**HONORS CONTEMPORARY WORLD PROBLEMS**

Recommended Preparation: ENGL 101 or ESL 151.

POL S 115**THE POLITICS OF RACE AND ETHNICITY IN THE U.S.**

POL S 115 examines critical questions and debates in race, ethnicity, and politics. Students investigate the political history of racial and ethnic minorities in the U.S. and examine the interaction of minority politics within the broader American political system. Discussions will include how modern racial hierarchies and political rhetoric on race continue to influence national and local policies on civil rights, justice, education, immigration, and poverty. **Recommended Preparation:** ENGL 101 or ESL 151, or equivalent.

POL S 170**INTRODUCTION TO GLOBAL STUDIES**

POL S 170 introduces students to the interdisciplinary field of Global Studies, including the history of globalization. Economic, political, social, cultural, and ecological developments related to the process of globalization will also be explored. Students evaluate topics such as NGOs (non-governmental organizations), the global economy, and transnational population trends. **Note:** This course is cross-listed with GEOG 170 and ECON 170. This course may not be taken for credit by students who have completed GEOG 170 or ECON 170. **Recommended Preparation:** ENGL 101 or ESL 151, or equivalent.

PSYCH 105**HUMAN SEXUALITY**

PSYCH 105 examines human sexuality from psychological, biological, sociocultural, and historical perspectives. Topics may include sex research, sexual anatomy and physiology, sexual arousal and response, sexual behaviors, and sexual communication and consent. The influence of culture and social values will be explored along with contraception and pregnancy, sexually transmitted infections, the nature and origins of sexual difficulties, and sex therapy. **Recommended Preparation:** ENGL 101 or ESL 151, or equivalent.

PSYCH 200**RESEARCH METHODS FOR PSYCHOLOGY**4.0 Units

PSYCH 200 is a lecture and laboratory course focusing on the nature of theory and the principles of descriptive and inferential research. The course analyzes the scientific method, research design, ethical principles, internal and external validity, and scientific writing, and students apply these topics in a laboratory environment.

RE 101**REAL ESTATE PRINCIPLES**

RE 101 covers the basic laws and principles of California real estate and provides students with the understanding, background, and terminology necessary for advanced study in specialized courses. This course can help students to prepare for the real estate sales license examination.

RE 105**REAL ESTATE PRE-LICENSE**

RE 105 is a course that reviews all the material necessary to take the Department of Real Estate Salesperson's or Broker's Examination. Students learn the financial, economic, and political aspects of real estate practice in California, as well as regulations of the real estate business and licensing of real estate brokers and salespersons. In addition, the course presents license law, the subdivision law administered by the Real Estate Commissioner, the Regulations of the Commissioner, and extracts from other pertinent California codes.

RE 120**REAL ESTATE PRACTICE**

RE 120 covers the day-to-day operations from the viewpoint of the real estate salesperson. The topics covered include: listing, prospecting, advertising, financing, sales techniques, escrow, and ethics. It also complies with state law requiring implicit bias and fair housing training, including an interactive role-playing component. This course applies toward the State of California's educational requirement for the salesperson's and broker's examination and licensing.

RE 130**REAL ESTATE ECONOMICS**

RE 130 covers the economic history of contemporary real estate and chronicles the events and economic trends influencing real estate values (appraisal). It offers an analysis of the interrelationship between the cost and value of real estate on a local and national level. This course meets the requirements for the appraisal subject matter electives of the 2008 Appraisal Qualifications Board (AQB) of the Appraisal Foundation and fulfills the statutory pre-licensing requirements of the California Department of Real Estate for salespersons and brokers.

RE 140**LEGAL ASPECTS OF REAL ESTATE**

RE 140 is a study of California real estate law, including rights incident to property ownerships and management, agency, contracts, and application to real estate transfer, conveyancing, probate proceedings, trust deeds, and foreclosure, as well as recent legislation governing real estate transactions. This course applies toward the education requirement of the broker's examination.

RE 150**REAL ESTATE FINANCE**

RE 150 covers statistics, modeling, and finance as they relate to real estate, and is accepted for all four levels of appraisal licensure, including trainee, licensed appraiser, certified residential, and certified general. This course meets the requirements of the 2008 Appraisal Qualifications Board (AQB) of the Appraisal Foundation and meets the California Department of Real Estate (DRE) salesperson and broker pre-license real estate finance requirements.

RE 161**INCOME APPRAISAL REPORT WRITING**

RE 161 covers real estate appraisal, including methods of appraising such properties as apartment buildings, industrial properties, subdivisions, and rural properties. This course meets the requirements of the 2008 Appraisal Qualifications Board (AQB) of the Appraisal Foundation. It covers advanced income property applications, case studies, and report writing. This course meets the license requirements for all levels of appraisal licensure, including the trainee license, residential license, certified residential license, and certified general license.

RE 162**BASIC APPRAISAL PRINCIPLES AND PROCEDURES**

RE 162 covers basic real estate appraisal principles and procedures, and meets the license requirements for all levels of appraisal licensure, including the trainee license, residential license, certified residential license, and certified general license. This course qualifies with the California Department of Real Estate as a statutory/pre-license real estate course for both the salesperson and broker education requirements, and meets the requirements of the 2008 Appraisal Qualifications Board (AQB) of the Appraisal Foundation.

RE 163**BASIC RESIDENTIAL REAL ESTATE APPRAISAL**

RE 163 focuses on residential appraisals and meets the requirements of the Appraisal Qualifications Board (AQB) of the Appraisal Foundation, and follows their outline modules. It covers the following major areas: 1) Residential Market Analysis and Highest and Best Use 2) Residential Appraiser Site Valuation and Cost Approach and 3) Residential Sales Comparison and Income Approach. This course meets the license education requirements for all levels of appraisal licensure, including the trainee license, residential license, certified residential license, and certified general license. This course qualifies with the California Department of Real Estate as a statutory/pre-license real estate course for both the salesperson and broker education requirements. This course may also qualify as the second appraisal course for broker education requirements referred to as Advanced Real Estate Appraisal. Emphasis is on residential properties, such as single-family homes, 1-4 unit apartments, condos, mobile homes, and manufactured homes.

RE 164**RESIDENTIAL APPLICATIONS AND RESIDENTIAL REPORT WRITING**

RE 164 covers advanced residential applications and case studies, as well as residential report writing and case studies. This course meets the license requirements for all levels of appraisal licensure, including the trainee license, residential license, certified residential license, and certified general license. It also meets the requirements of the Appraisal Qualifications Board (AQB) of the Appraisal Foundation.

RE 180**MORTGAGE LOAN BROKERING**

RE 180 details the licensing requirements for real property lenders in California as well as the National Mortgage Licensing System (NMLS). It includes mandatory disclosures, fair lending practices, trust fund handling and regulations for hard money lenders (mortgage bankers) and brokers.

RE 190**PROPERTY MANAGEMENT**

RE 190 is a basic course in the management of income properties which analyzes specific types of properties that are managed. Students formulate and discuss the major problems of leasing, collections, rent schedules, tenant selection, neighborhood analysis, purchasing, evictions, preventive maintenance, depreciation, record keeping, and economics of property, and compile a set of procedures for practical utilization in property management.

RE 195**COMMON INTEREST DEVELOPMENTS (HOMEOWNERS ASSOCIATIONS MANAGEMENT)**

RE 195 covers the basics of managing, purchasing and selling of common interest developments (CIDs) that are governed by homeowner associations (HOAs), including condominiums, and all applicable laws related to CIDs.

RE 250**ESCROW I**

RE 250 is an introduction to the terminology, legal aspects, and process in the escrow function (taking, processing, and closing of escrow) in real estate transactions.

SOC S 48**SOCIAL SCIENCE INTERNATIONAL FIELD STUDIES**

1.0 to 3.0 Units

SOC S 48 provides college credit to study social science in foreign countries under the direction of a Glendale College instructor. Travel and studies are at the student's own expense for programs provided by agencies approved in advance by the College. **Note:** This course may be taken four times; a maximum of 12 units may be earned. Each repetition must be in a different country and/or area of the world. Lecture 1-3 hours. **Prerequisite:** None. **Transfer Credit:** CSU.

SOC S 101**URBAN EDUCATION IN AMERICA**

Recommended Preparation: ENGL 101 or ESL 151, or equivalent.

SOC S 10105**OUR DIGITAL WORLD: THE INTERNET, SOCIAL MEDIA, AND SOCIETY**

Recommended Preparation: ENGL 101 or ESL 151.

SOC S 107**HEALTH AND SOCIAL JUSTICE**

3.0 Units

SOC S 107 provides an in-depth analysis of health inequities within the United States. We will explore how socioeconomic status, gender, race, and disability status contribute to health disparities and epidemics, and we will discuss theories and solutions involving government policies, community organizing, and social justice. **Note:** This course may not be taken for credit by students who have successfully completed HLTH 107. Lecture 3 hours. **Recommended Preparation:** ABSE 186 or ESL 151 and LIB 100. **Transfer Credit:** CSU, UC.

SOC S 110**AMERICAN POP CULTURE**

Recommended Preparation: ENGL 101 or ESL 151.

SOC 101**INTRODUCTION TO SOCIOLOGY**

SOC 101 introduces students to sociology: its basic concepts, theoretical approaches, methods, and resources. We explore social structures, group dynamics, stratification, culture and diversity, social change, and global dynamics. Course objectives include the ability to apply sociological ideas to everyday life. **Recommended Preparation:** ENGL 101 or ESL 151, or equivalent.

SOC 101H**HONORS INTRODUCTION TO SOCIOLOGY**

SOC 101H introduces students to sociology: its basic concepts, theoretical approaches, methods, and resources. We explore social structures, group dynamics, stratification, culture and diversity, social change, and global dynamics. Course objectives include the ability to apply sociological ideas to everyday life. The honors course is enhanced in one or more of the following ways: 1. Students have an increased responsibility for leading class discussions and critical thinking exercises. 2. Homework assignments focus on critical thinking and analyzing important topics related to sociology. **Recommended Preparation:** ENGL 101 or ESL 151, or equivalent.

SOC 105**INTRODUCTION TO GERONTOLOGY**

SOC 105 is an introduction to the study of social gerontology and aging. Using a multidisciplinary approach, students will explore the implications of aging for the individual and society. Topics such as the aging population's impact on economics, the labor force, education, transportation, and more will be discussed. **Recommended Preparation:** ENGL 101 or ESL 151, or equivalent.

SOC 108**MEN AND MASCULINITIES**

Recommended Preparation: ENGL 101 or ESL 151.

SOC 131**MARRIAGE AND INTIMATE RELATIONSHIPS**

Recommended Preparation: ENGL 101 or ESL 151, or equivalent.

SOC 140**INTRODUCTION TO SOCIAL WORK**

Recommended Preparation: ENGL 101 or ESL 151, or equivalent.

SPAN 48**SPANISH INTERNATIONAL FIELD STUDIES**

SPAN 48 provides college credit to study Spanish in foreign countries under the direction of a Glendale College instructor. Travel and studies are at the student's own expense for programs provided by agencies approved in advance by the College. **Note:** This course may be taken four times; a maximum of 12 units may be earned. Each repetition must be in a different country and/or area of the world. **Corequisite:** Concurrent registration in 6 or more units.

SPAN 49**SPANISH INDEPENDENT STUDY**

SPAN 49 provides independent exploration to familiarize students with research techniques, career options, and special academic interests in Spanish. Emphasis shall be on individual research projects, library research, and/or preparation of research papers. There is no prescribed course content. Students develop and complete a research project approved by the sponsoring instructor and division chairperson. **Note:** Registration is open to any student at GCC who is currently registered for six or more units and is admitted to Independent Study by faculty in the Language Arts Division. A student is limited to one Independent Study per semester and no more than 12 units credit toward the AA Degree or Certificate, and no more than six units per division. The units received may be acceptable for college transfer subject to the approval of the individual college. This course may be taken 3 times; a maximum of 9 units may be earned.

SPAN 124H

Recommended Preparation: ENGL 101 or ESL 151.

SPAN 131**CULTURAL AWARENESS THROUGH CONVERSATION**

Prerequisite: SPAN 102 or equivalent.

SPCH 48**SPEECH INTERNATIONAL FIELD STUDIES**

SPCH 48 provides college credit to study speech in foreign countries under the direction of a Glendale College instructor. Travel and studies are at the student's own expense for programs provided by agencies approved in advance by the College. **Note:** This course may be taken four times; a maximum of 12 units may be earned. Each repetition must be in a different country and/or area of the world.

SPCH 49**SPEECH INDEPENDENT STUDY**

SPCH 49 provides independent exploration to familiarize students with research techniques, career options, and special academic interests in speech. Emphasis shall be on individual research projects, library research, and/or preparation of research papers. There is no prescribed course content. Students develop and complete a research project approved by the sponsoring instructor and division chairperson. **Note:** Registration is open to any student at GCC who is currently registered for six or more units and who is admitted to Independent Study by the instructor. A student is limited to one Independent Study per semester and no more than 12 units credit toward the AA Degree or Certificate, and no more than six units per division. The units received may be acceptable for college transfer subject to the approval of the individual college. This course may be taken 3 times; a maximum of 9 units may be earned.

SPCH 104**ARGUMENTATION AND DEBATE**

Recommended Preparation: ENGL 101, ESL 151, or SPCH 101.

SPCH 107**CAREER COMMUNICATION**

SPCH 107 is an introductory course focusing on effective oral communication in the workplace. Emphasis is placed on examining the theoretical and practical aspects of effective business and professional communication, from preparation and presentation to observation and analysis. The course focuses on developing skills in language, listening, verbal and nonverbal behaviors, interviewing, informative and persuasive presentations, conflict management, group problem-solving, and cross-cultural communication in the workplace. Speech 107 addresses challenges associated with oral communication in a career setting. The course is designed for students of all majors, not only students seeking a career in business. *Recommended Preparation:* ENGL 101 or ESL 151. *Transfer Credit:* CSU, UC.

SPCH 108**INTERCULTURAL COMMUNICATION**

Recommended Preparation: ENGL 101 or ESL 151.

SPCH 115**GENDER AND COMMUNICATION**

Recommended Preparation: ENGL 101 or ESL 151.

SPCH 120**INTRODUCTION TO COMMUNICATION THEORY**

Recommended Preparation: ENGL 101 or ESL 151.

ST DV 102**COLLEGE ORIENTATION FOR STUDENT ATHLETES**

1.0 Unit

ST DV 102 is designed to introduce current student-athletes to a successful college and transfer experience as well as provide practical knowledge and skills necessary to promote academic success and career-related planning. Requirements for certificates, degrees, and the transfer process will be covered, including the National Collegiate Athletics Association (NCAA) and the National Association of Intercollegiate Athletics (NAIA) transfer requirements. Students will learn strategies for time management, goal setting, effectively communicating with faculty, utilizing campus resources, and striking a healthy balance between athletic and academic priorities. This course will prepare student-athletes to identify their strengths and transferrable skills and how they connect to career and life after sports. **Note:** This course is Pass/No Pass only. Lecture 1 hour. *Recommended Preparation:* ESL 133. *Transfer Credit:* CSU, UC.

T ART 109

STAGE MAKEUP I

T ART 109 provides instruction in the use and application of all types of stage make-up, the functions of makeup in the theatre, analysis of facial features and corrective techniques, research and color theory, and basic three-dimensional technique. **Note:** Additional hours may be required to work on GCC productions. The AA-T Theatre Arts Degree requires both T ART 109 and T ART 110 to add up to the 3.0 units.

T ART 110

STAGE MAKEUP II

T ART 110 is a continuation of T ART 109 with emphasis on special effects using prosthetics, facial hair and wigs. The course builds upon the basic stage makeup taught in Stage Makeup I with a focus on special effects that significantly change the actor for the purpose of performance. This is an introduction to potential career paths for students interested in makeup design. **Note:** Additional hours may be required to work on GCC productions. The AA-T Theatre Arts Degree requires both T ART 109 and T ART 110 to add up to the 3.0 units.

T ART 113

COMMUNITY THEATER FOR SOCIAL CHANGE

3.0 Units

T ART 113 explores community-based theater for social change as it has existed in various times and spaces. Students will learn the ways in which theater has played a central role in social change and revolutionary movements. Emphasis is placed on transforming passive audience members into active, dramatic participants. Students spend time analyzing performances and methods, later exploring personal injustices and creating original, flash theater pieces to speak to these injustices. Lecture 3 hours. **Prerequisite:** None. **Transfer Credit:** CSU, UC.

T ART 121

STAGE SCENIC DESIGN

T ART 123

COSTUME DESIGN FUNDAMENTALS

T ART 123 is a course in the history, design, and construction of costumes for the stage. Students will learn about historical practices, the planning for and the buying of suitable materials, design and color schemes, the design and construction of costumes and accessories, and arrangement and maintenance of the costume wardrobe. Students in this course design and make costumes for school dramatic programs. **Note:** Students in this course are expected to be available for additional hours to work on costumes for theatrical productions.

T ART 171

STAGECRAFT

T ART 171 is an introduction to technical theatre and the fundamentals of offstage work in the theatre. Students will have hands-on experiences with the basics of scenic design, construction for the theatre, scenic painting techniques, sound technology for the theatre, and theatrical lighting equipment. Additional hours to devote to offstage crew calls, technical rehearsals, and performances may be required. **Note:** Additional materials such as an 8" crescent wrench, safety glasses, work gloves, and paint clothes are recommended.

T ART 172

INTRODUCTION TO THEATRE DESIGN

T ART 172 is an introduction to theatrical design as practiced in the profession. Through demonstration and laboratory experiences, students gain an understanding of theatre design as a career, an appreciation of theatre in various fields, and will improve their professional design portfolios through the analysis of a play and creation of designs in their chosen field of interest; costumes, lighting, sound, scenic, projections, or props. **Note:** Additional art supplies may be required.

WELD 117

INTRODUCTION TO WELDING

Recommended Preparation: ENGL 101 or ESL 141.

WELD 118
GENERAL WELDING
Transfer Credit: CSU.

WELD 121
OCCUPATIONAL WELDING I
Recommended Preparation: ENGL 101 or ESL 141. *Transfer Credit:* CSU.

WELD 122
OCCUPATIONAL WELDING II
Prerequisite: WELD 121 or WELD 117 and WELD 118. *Transfer Credit:* CSU.

WELD 123
OCCUPATIONAL WELDING III
Transfer Credit: CSU.

WELD 124
OCCUPATIONAL WELDING IV
Transfer Credit: CSU.

WELD 125
ADVANCED WELDING PROCEDURES
Transfer Credit: CSU.

CREDIT PROGRAMS

ADVANCED ESL: BUSINESS, ENTREPRENEURSHIP & MANAGEMENT PATHWAY

Certificate

The Advanced ESL: Business, Entrepreneurship & Management certificate is designed to prepare non-native English speakers to succeed in Business, Entrepreneurship & Management academic and career pathways. Students completing this certificate have achieved academic English skills at an advanced, postsecondary level. They have also achieved success in prerequisite or introductory coursework in a variety of degree, certificate, or general education patterns.

Program Learning Outcomes: Upon completion of this program, the students will use English reading, writing, listening, and speaking skills at an advanced level of academic proficiency; apply content knowledge of chosen electives in order to select a degree and/or career pathway. Students must complete all required courses for a minimum of 16 units.

Required Courses: ESL 151, 155, 156, 159.

Complete 5 units from the following: ACCTG101; BUSAD 101, 112, 120, 204; CABOT 102, 103; CS/IS 101; ECON 101, 102 or 102H; HRM 115; RE 101.

ADVANCED ESL: HEALTH, WELLNESS & PUBLIC SAFETY PATHWAY

Certificate

The Advanced ESL: Health, Wellness & Public Safety Pathway certificate is designed to prepare non-native English speakers to succeed in Health, Wellness & Public Safety academic and career pathways. Students completing this certificate have achieved academic English skills at an advanced, postsecondary level. They have also achieved success in prerequisite or introductory coursework in a variety of degree, certificate, or general education patterns. **Program**

Learning Outcomes: Upon completion of this program, the student will use English reading, writing, listening, and speaking skills at an advanced level of academic proficiency; apply content knowledge of chosen electives in order to select a degree and/or career pathway. Students must complete all required courses for a minimum of 16-17 units.

Required Courses: ESL 151, 155, 156, 159.

Complete two or three courses from the following (minimum 5 units): ADMJ 101; HLTH 101, 102, 104; KIN 100; MOA 101, 180, 181, 182.

ADVANCED ESL: INDUSTRIAL TECHNOLOGY & AVIATION PATHWAY

Certificate

The Advanced ESL: Industrial Technology & Aviation Pathway certificate is designed to prepare non-native English speakers to succeed in Industrial Technology & Aviation academic and career pathways. Students completing this certificate have achieved academic English skills at an advanced, postsecondary level. They have also achieved success in prerequisite or introductory coursework in a variety of degree, certificate, or general education patterns. **Program Learning Outcomes:** Upon completion of this program, the student will use English reading, writing, listening, and speaking skills at an advanced level of academic proficiency; apply content knowledge of chosen electives in order to select a degree and/or career pathway. **Students must complete all required courses for a minimum of 16-18 units.**

Required Courses: ESL 151, 155, 156, 159.

Complete two courses from the following: ARCH 101; ECT 100, 110; ENGR 100, 101; MACH 101; WELD 117.

ADVANCED ESL: LANGUAGE & COMMUNICATION PATHWAY

Certificate

The Advanced ESL: Language & Communication Pathway certificate is designed to prepare non-native English speakers to succeed in Language and Communication academic and career pathways. Students completing this certificate have achieved academic English skills at an advanced, postsecondary level. They have also achieved success in prerequisite or introductory coursework in a variety of degree, certificate, or general education patterns. **Program Learning Outcomes:** Upon completion of this program, the student will use English reading, writing, listening, and speaking skills at an advanced level of academic proficiency; apply content knowledge of chosen electives in order to select a degree and/or career pathway. **Students must complete all required courses for a minimum of 16-18.5 units.**

Required Courses: ESL 151, 155, 156, 159.

Complete one or two courses from the following (minimum 5 units): ARMEN 101; ASL 101; CHIN 101; ENGL 101, 101+, or 101H; FREN 101, ITAL 101, JAPAN 101; KOREA 101; LIB 100; LING 101; SPAN 101; SPCH 101.

ADVANCED ESL: PEOPLE, POWER & PERSPECTIVE PATHWAY

Certificate

The Advanced ESL: People, Power & Perspective Pathway certificate is designed to prepare non-native English speakers to succeed in People, Power & Perspective academic and career pathways. Students completing this certificate have achieved academic English skills at an advanced, postsecondary level. They have also achieved success in prerequisite or introductory coursework in a variety of degree, certificate, or general education patterns. **Program Learning Outcomes:** Upon completion of this program, the student will use English reading, writing, listening, and speaking skills at an advanced level of academic proficiency; apply content knowledge of chosen electives in order to select a degree and/or career pathway. **Students must complete all required courses for a minimum of 17-18 units.**

Required Courses: ESL 151, 155, 156, 159.

Complete two courses from the following: ANTHR 102; CHLDV 101, 135, 138; ETH S 110, 121; HIST 113, 117, 118 OR 118H, 121, 131, 132; POL S 101; PSYCH 101 OR 101H; SOC 101 OR 101H.

ADVANCED ESL: STEM PATHWAY

Certificate

The Advanced ESL: STEM Pathway certificate is designed to prepare non-native English speakers to succeed in STEM academic and career pathways. Students completing this certificate have achieved academic English skills at an advanced, postsecondary level. They have also achieved success in prerequisite or introductory coursework in a variety of degree, certificate, or general education patterns. **Program Learning Outcomes:** Upon completion of this program, the student will use English reading, writing, listening, and speaking skills at an advanced level of academic proficiency; apply content knowledge of chosen electives in order to select a degree and/or career pathway. **Students must complete all required courses for a minimum of 16-19.5 units.**

Required Courses: ESL 151, 155, 156, 159.

Complete one or two courses from the following (minimum 5 units): BIOL 122; CHEM 110; CS/IS 101, 112; ENGR 100; ESL 146; MATH 100 or 100+, 102 or 102+, 103E, 110A, 110B, 136 or 136+ or 136H.

ADVANCED ESL: VISUAL & PERFORMING ARTS PATHWAY

Certificate

The Advanced ESL: Visual & Performing Arts Pathway certificate is designed to prepare non-native English speakers to succeed in VPA academic and career pathways. Students completing this certificate have achieved academic English skills at an advanced, postsecondary level. They have also achieved success in prerequisite or introductory coursework in a variety of degree, certificate, or general education patterns. **Program Learning Outcomes:** Upon completion of this program, the student will use English reading, writing, listening, and speaking skills at an advanced level of academic proficiency; apply content knowledge of chosen electives in order to select a degree and/or career pathway. **Students must complete all required courses for a minimum of 17 units.**

Required Courses: ESL 151, 155, 156, 159.

Complete two courses from the following: ART 130, 138, 150, 186; ARTH 101 or 101H, 102 or 102H, 199; DANCE 100; MUSIC 101, 120; PHOTO 100; T ART 101.

INTERMEDIATE ESL: ACADEMIC AND CAREER PREPARATION

Certificate of Achievement

The Intermediate ESL: Academic and Career Preparation certificate is designed to prepare nonnative English speakers to succeed in various academic and career pathways. Students completing this certificate will have achieved academic English skills at a high-intermediate level as well as taken foundational coursework in student development. Students must complete all required courses for a minimum of 16 units. **Program Learning Outcomes:** Upon completion of this program, students will be able to use English reading, writing, and speaking skills at an advanced level of proficiency; apply academic skills required to succeed in college; and choose a potential career pathway.

Required Courses: ESL 141, 145, 146; ST DV 145.

Complete two units from the following: ST DV 100, 101, 103, 105, 120, 127, 130, 141, 145.

VISUAL ARTS: ART HISTORY

AA Degree

Required Courses: ARTH 101, 102, 130.

Select three courses from the following: ARTH 103, 104, 105, 106, 107, 108, 111, 112, 113, 115, 116, 118, 119, 120, 121, 125, 199.

BUSINESS ADMINISTRATION

AA Degree

The AA in Business Administration is designed to provide students with the general knowledge needed to pursue a career in Business. Students must complete all required courses for a minimum of 25 units.

Required Courses: ACCTG 101, 102; BUSAD 101, 106, 120; CS/IS 100 or 101.

Select one course from the following: BUSAD 131, 141, 144, 162, 170.

BUSINESS ADMINISTRATION 2.0

AS-T Degree

Required Core: ACCTG 101, 102; BUSAD 120; ECON 101, 102.

Select one of the following: MATH 103E, 112.

Select one of the following: BUSAD 101, 106.

Select one of the following: ECON 127; MATH 136.

CLOUD COMPUTING

Certificate of Achievement

This certificate is designed to prepare students for a career in cloud computing. Students receive hands-on instruction on how to design and implement cloud-based systems including computing, storage, and database systems, that are resilient, scalable and are secure. Students must complete all the required courses for a minimum of 18-20 units.

Required Courses: CS/IS 240, 241, 242, 243.

Select two courses from the following: CS/IS 112, 151, 172, 174, 190, 194, 197.

DOCUMENTARY FILM PRODUCTION

AA Degree and Certificate

This degree is designed to help students gain the breadth of knowledge, appreciation and understanding of cinematic language that is necessary for documentary film production and to seek employment in the field. These film and TV courses are designed to help students learn the aesthetics, craft and techniques of the documentary film language as they tell meaningful stories through the documentary medium. **Program Learning Outcomes:** Upon completion of this program, the student will demonstrate an understanding of documentary film aesthetics and documentary film language as it applied in a documentary film; demonstrate an effective ability to work as a member of a documentary team to achieve the challenges of technical and conceptual goals of a documentary project from origination to the completion of the high quality final deliverable documentary media productions. **Students must complete all the required courses for a minimum of 20 units.**

Required Courses: FTVM 108, 120, 130, 132, 271; MCOMM 101.

Select one course from the following: FTVM 135, 139.

ENGLISH

AA-T Degree

Required Core: ENGL 102 or 102H, 104

List A: Select two courses (6 units) ENGL 105, 106, 109, 110, 122, 123.

List B: Select one course (3 units) Any course from List A not already used; ENGL 103, 111, 117, 125, 127.

List C: Select one course (3 units) Any course from List A or B not already used; ANTHR 105; ARMEN 102; BUSAD 106; CHIN 102; ENGL 112, 114, 115, 118, 130, 212; FREN 102, 103, 104; HUMAN 115; ITAL 102, 103, 104; JAPAN 102, 103, 104; JOURN 102; KOREA 102; SPAN 102, 103, 104, 115, 124H; SPCH 106; T ART 101

Required Units for Major: 18*

FILM STUDIES

AA Degree and Certificate

This degree is designed to help students gain the breadth of knowledge, appreciation and understanding of cinematic language that is necessary for film and tv production and to seek employment in the field. These film and TV courses are designed to help students learn the aesthetics and craft of film language, cinematic story telling, production design, composition, lighting techniques, sound design, and picture editing. **Program Learning Outcomes:** Upon completion of this program, the student will demonstrate an understanding of film aesthetics composition, film language, lighting and sound design to support the creative vision of the director; recognize, articulate, and judge the visual, verbal, and audio conventions through which images, words, and sounds make meaning in film and media texts. **Students must complete all the required courses for a minimum of 24 units.**

Required Courses: ARTH 125; FTVM 100.

Select one course from the following: FTVM 112, 120.

Select three courses from the following (Film Studies): ENGL 117; FTVM 101, 102, 103, 104, 106, 107, 108.

Select two courses from the following (Film Production): FTVM 131, 132, 135, 137, 139, 271.

FILM, TELEVISION, AND ELECTRONIC MEDIA

AS-T

The AS-T in Film, Television and Electronic Media (FTEM) is designed to prepare the student for transfer to four year institutions of higher education and is specifically intended to satisfy lower-division requirements for a baccalaureate degree in Film, Television, and Media or related fields. The knowledge and skills offered in this degree lead students to develop foundational knowledge in the field of Media Arts including those topics and issues related to global, national, and local aspects of the field of study. **Program Learning Outcomes:** Upon completion of this program, the students will apply concepts of composition, film language, sound design and lighting techniques to support the creative vision of the director, collaborate effectively as a member of a team to achieve the challenges of technical and conceptual goals of a project from origination to the completion of the high quality final deliverable media production, and utilize conceptual editing techniques to support storytelling and solve story problems through the use of editing dialogue, sound design, music, and sound effects to complete the creation of the master for final deliverables.

Required Core: Select two courses from the following (6 units) MCOMM 101; FTVM 100, FTVM 112 or FTVM 120;

List A: Select one course from each area (6 units)

Area 1: Audio: FTVM 135;

Area 2: Video or Film Production: FTVM 131, FTVM 132;

List B: Select one course (3 units) Any course from List A not already used; ARTH 125; PHOTO 101;

List C: Select one course (3 units) Any course from List A or List B not already used; ART 220; FTVM 101, 102, 103, 104, 106, 107, 108, 137, 139, 212, 249, 255, 256, 257, 258, 259, 270A, 270B, 271, 272, 50.

GRIP AND LIGHTING

Certificate

This certificate is designed to train students seeking a pathway into the lighting or grip department in the film and television industry. Students will develop the ability to work effectively as a member of a grip or lighting department in production team while honing skills needed to complete high quality film and television productions. **Program Learning Outcomes:** Upon completion of this program, the student will demonstrate an effective ability to work as a member of a lighting or grip production team to achieve the challenges of technical and conceptual goals of the project from origination to the completion of the high quality final deliverable media productions; demonstrate an understanding of composition, film language and lighting techniques to support the creative vision of the director. Students must complete all the required courses for a minimum of 9 units.

Required Courses: FTVM 130, 132, 137, 257.

PARAMEDIC

Certificate of Achievement

The Glendale Community College Paramedic Program is constructed to prepare students and success in the workplace. Student experiences would be in many areas, from emergency rooms, labor and delivery settings to internships with fire departments. Students in the program would gain knowledge of the paramedic profession, be proficient in basic and advanced level emergency skills, and understand disease processes as the basis for decision making. The program promotes integration of the paramedic skills set, with competence in communication, mathematics, and problem-solving. Entry into the program requires a candidate to hold an active California Emergency Medical Technician (EMT) card and a current American Heart Association (AHA) Healthcare Provider Basic Life Support (BLS) Card. Students who complete the program receive a Course Completion Certificate from the college and will be eligible to take the NREMT paramedic licensing exam. Upon passing the exam, the student may apply for the California State Certification at the Paramedic level. Students must complete all required courses for a minimum of 31.5 units. **Program Learning Outcomes:** Upon completion of this program, students will be able to practice professional and compassionate communication during contact with patients, bystanders, coworkers, and other health care providers; employ the ability to be a team leader or team member with the cognitive, psychomotor, and affective skills necessary for an advanced level EMS provider; and articulate the cognitive and psychomotor skills necessary to integrate paramedic concepts learned through this program, in all emergency situations.

Required Courses: EMS 240, 242, 244, 246, 248, 250, 252, 260, 261.

NONCREDIT COURSES and PROGRAMS

ABSE 10

BASIC WRITING

ABSE 10 is a beginning composition course. This course covers the basics of sentence and paragraph composition including mechanics, grammar, and spelling. Laboratory 32 hours. **Note:** This is a self-paced course in an open-entry, open-exit lab environment. This course is pass/no pass only.

ABSE 15

VOCABULARY DEVELOPMENT

ABSE 15 introduces common roots, prefixes, suffixes, and word usage as well as the use of context clues to determine word meanings. This course is designed to meet the needs of students who wish to improve their vocabulary and to earn elective high school credit in English. Laboratory 100 hours. **Note:** This is a self-paced course in an open-entry, open-exit lab environment. Successful completion of the course results in 5 high school credits.

ABSE 20

BASIC MATH

ABSE 20 is a math course designed for adults who wish to review or master basic arithmetic from whole number operations through fractions, decimals, and percent. Lecture 64 hours. **Note:** This is a self-paced course in an open-entry, open-exit lab environment. **Note:** This course is pass/ no pass only.

ABSE 22

ARITHMETIC 1B

ABSE 22 introduces students to higher level arithmetic: statistics, measurement, and geometric and algebraic principles. This course is designed to meet the needs of students who wish to improve their math skills and to earn high school credit. Laboratory 100 hours. **Note:** This is a self-paced course in an open-entry, open-exit lab environment. Successful completion of the course results in 5 high school credits.

ABSE 24

ALGEBRA 1B

ABSE 24 provides students with continued instruction on reasoning and modeling algebraically. Areas presented in this class include descriptive statistics, and quadratic functions/modeling. This course is designed to meet the needs of students who wish to continue their study of algebra and to earn high school credit in mathematics. Laboratory 100 hours. **Note:** This is a self-paced course in an open-entry, open-exit lab environment. Successful completion of the course results in 5 high school credits.

ABSE 25

GEOMETRY 1A

ABSE 25 is the first half of a one -year high school level geometry course. In this course the notion of two-dimensional shapes as part of the Euclidian Plane and exploration of transformations of this plane as a way to determine whether two shapes are congruent are formalized. Students use transformations to prove geometric theorems. This course is designed to meet the needs of students who wish to begin their study of geometry and to earn high school credit in math. It meets the requirements for a high school diploma. Laboratory 100 hours. **Note:** This is a self-paced course in an open-entry, open-exit lab environment. Successful completion of the course results in 5 high school credits.

ABSE 26**GEOMETRY 1B**

ABSE 26 is the second half of a one-year high school level geometry course. In this course students investigate similarity and use similarity in the right triangle to define trigonometric ratios. They investigate circles and prove theorems about them. Connecting to their prior experience with the coordinate plane, they prove geometric theorems using coordinates and describe shapes with equations. Students extend their knowledge of area and volume formulas for three dimensional shapes. This course is designed to meet the needs of students who wish to begin their study of geometry and to earn high school credit in mathematics. Laboratory 100 hours. **Note:** This is a self-paced course in an open-entry, open-exit lab environment. Successful completion of the course results in 5 high school credits.

ABSE 27**APPLIED MATHEMATICS**

ABSE 27 is designed to help students use mathematical principles and computations in everyday living and business transactions. This course may be taken as a high school elective in mathematics. It meets the requirements for a high school diploma. Laboratory 100 hours. **Note:** This is a self-paced course in an open-entry, open-exit lab environment. Successful completion of the course results in 5 high school credits.

ABSE 30**LIFE SCIENCE 1A**

ABSE 30 is a high school level course designed to give an overview of life science from cells through the plant kingdom. It includes the characteristics of life, cells structure and function, heredity, evolution, and the classification of plants. This is the first half of a one-year course. Laboratory 100 hours. **Note:** This is a self-paced course in an open-entry, open-exit lab environment. Successful completion of the course results in 5 high school credits.

ABSE 31**LIFE SCIENCE 1B**

ABSE 31 is a high school level course designed to give an overview of life science from animals to the human body. It includes animal classification and characteristics, human body systems, and the interactions of factors within an ecosystem. This is the second half of a one-year course. Laboratory 100 hours. **Note:** This is a self-paced course in an open-entry, open-exit lab environment. Successful completion of the course results in 5 high school credits.

ABSE 32**PHYSICAL SCIENCE 1A**

ABSE 32 is a high school level course designed to acquaint students with the basic physical properties of matter, atoms, compounds, and simple chemical equations. This is the first half of a one-year course. Laboratory 100 hours. **Note:** This is a self-paced course in an open-entry, open-exit lab environment. Successful completion of the course results in 5 high school credits.

ABSE 33**PHYSICAL SCIENCE 1B**

ABSE 33 is a high school level course designed to expand on basic physical science with concepts of motion, machines, sound, light, electricity and magnetism. This is the second half of a one-year course. It meets the requirements for a high school diploma. Laboratory 100 hours. **Note:** This is a self-paced course in an open-entry, open-exit lab environment. Successful completion of the course results in 5 high school credits.

ABSE 34**HEALTH AND GUIDANCE**

ABSE 34 presents guides to healthy life styles and positive health behaviors. It focuses on decisions regarding drugs, alcohol, tobacco, exercise, safety and nutrition and how these issues impact health and well-being. It meets the requirements for a high school diploma. Laboratory 100 hours. **Note:** This is a self-paced course in an open-entry, open-exit lab environment. Successful completion of the course results in 5 high school credits.

ABSE 40**WORLD HISTORY 1A**

ABSE 40 is a high school level course designed to give an overview of world history, covering the period beginning with the first humans up to the Scientific Revolution and Enlightenment. This is the first half of a one-year course. This course may be taken for high school credit. Laboratory 100 hours. **Note:** This is a self-paced course in an open-entry, open-exit lab environment. Successful completion of the course results in 5 high school credits.

ABSE 41**WORLD HISTORY 1B**

ABSE 41 is a high school level course designed to give an overview of world history, beginning with the Scientific Revolution and Enlightenment, up to present day. This is the second half of a one-year course. This course may be taken for high school credit. Laboratory 100 hours. **Note:** This is a self-paced course in an open-entry, open-exit lab environment. Successful completion of the course results in 5 high school credits.

ABSE 42**US HISTORY 1A**

ABSE 42 is a high school level course designed to give an overview of United States history, covering the period beginning with the era of exploration through the Civil War. This course meets the requirements for a high school diploma. Laboratory 100 hours. **Note:** This is a self-paced course in an open-entry, open-exit lab environment. Successful completion of the course results in 5 high school credits.

ABSE 43**US HISTORY 1B**

ABSE 43 is a high school level course designed to give an overview of United States history, covering the period beginning with the post-Civil War era through the New Millennium. This course meets the requirements for a high school diploma. Laboratory 100 hours. **Note:** This is a self-paced course in an open-entry, open-exit lab environment. Successful completion of the course results in 5 high school credits.

ABSE 44**AMERICAN GOVERNMENT**

ABSE 44 is designed to meet the needs of students who wish to earn high school credit for American Government. The course covers the principles behind American government and then explores the American political process. Each of the three branches of government are explored as well as local government systems. This course may be taken for high school credit. Laboratory 100 hours. **Note:** This is a self-paced course in an open-entry, open-exit lab environment. Successful completion of the course results in 5 high school credits.

ABSE 45**ECONOMICS**

ABSE 45 is designed to meet the needs of students who wish to earn high school credit for economics. This is a fundamental course in both micro- and macroeconomics. Microeconomic topics include demand, pricing theory, and market structures. Macroeconomics involves a study of relevant institutions and policies. Other topics include international and global economics. Laboratory 100 hours. **Note:** This is a self-paced course in an open-entry, open-exit lab environment. Successful completion of the course results in 5 high school credits.

ABSE 48**PSYCHOLOGY**

ABSE 48 introduces students to the basics of life cycle development issues, the roots of behavior, emotions and consciousness. This course may be taken for high school credit. Laboratory 100 hours. **Note:** This is a self-paced course in an open-entry, open-exit lab environment. Successful completion of the course results in 5 high school credits.

ABSE 61**LEARNING LAB AND SUPPORT FOR HIGH SCHOOL AND HIGH SCHOOL EQUIVALENCY**

ABSE 61 is a learning lab designed for both high school and high school equivalency students who want additional instructional assistance in a specific subject area or help with a particular assignment or project. Students may receive academic support in writing, mathematics, as well as all high school subjects. Laboratory 320 hours. **Note:** This course is Pass/No Pass only.

ABSE 70**CAREER EXPLORATION**

ABSE 70 is designed to assist students in their exploration of possible careers. Students explore their occupational interests, career requirements, and career preparation. Students will utilize the services of the Career Center for their assessment and exploration. It meets the requirements for a high school diploma. Laboratory 90 hours. **Note:** This is a self-paced course in an open-entry, open-exit lab environment. Successful completion of the course results in 5 high school credits.

ABSE 110**ENGLISH 9A**

ABSE 110 helps students develop strategies for reading various texts including fiction, non-fiction, technical, and informational writings. It also presents strategies for writing, including multiple genres with appropriate use of conventions. All strategies are aligned with the California Common Core State Standards and high school grade-specific standards to define college and career readiness expectations. ABSE 110 is equivalent to the first semester of 9th grade English (9A). It meets the requirements for a high school diploma. Laboratory 100 hours. **Note:** This is a self-paced course in an open-entry, open-exit lab environment. Successful completion of this course results in 5 high school credits.

ABSE 111**ENGLISH 9B**

ABSE 111 helps students explore and analyze both literature and non-fiction, including informational, technical and historical texts. Students are expected to make qualitative evaluations of texts in writing. This course is aligned with the Common Core Standards for reading, writing and language skills required for 9th grade second semester students. The ABSE 111 is equivalent to the second semester of ninth grade English. It meets the requirements for a high school diploma. Laboratory 100 hours. **Note:** This is a self-paced course in an open-entry, open-exit lab environment. Successful completion of the course results in 5 high school credits.

ABSE 112**ENGLISH 10A**

ABSE 112 helps students develop strategies for reading various texts including fiction, non-fiction, technical, and informational writings. The strategies for writing include multiple genres, such as informational, biographical and historical, with appropriate use of conventions. All strategies are aligned with the California Common Core State Standards and high school grade-specific standards to define college and career readiness expectations. ABSE 112 is equivalent to the first semester of 10th grade English (10A). It meets the requirements for a high school diploma. Laboratory 100 hours. **Note:** This is a self-paced course in an open-entry, open-exit lab environment. Successful completion of the course results in 5 high school credits.

ABSE 113**ENGLISH 10B**

ABSE 113 helps students develop strategies for reading and analyzing various texts including fiction, poetry and drama. The strategies for writing include multiple genres, such as persuasion, classification and analysis, with appropriate use of conventions. All strategies are aligned with the California Common Core State Standards and high school grade-specific standards to define college and career readiness expectations. ABSE 113 is equivalent to the second semester of 10th grade English (10B). It meets the requirements for a high school diploma. Laboratory 100 hours. **Note:** This is a self-paced course in an open-entry, open-exit lab environment. Successful completion of the course results in 5 high school credits.

ABSE 114**ENGLISH 11A**

ABSE 114 focuses on reading, analyzing, and writing about diverse selections of American literature. Students will be introduced to modes of analytical, informative, explanatory, narrative, and research writing aligned with the California Common Core State Standards and high school grade-specific standards to define college and career readiness expectations. ABSE 114 is equivalent to the first semester of 11th grade English (11A). It meets the requirements for a high school diploma. Laboratory 100 hours. **Note:** This is a self-paced course in an open-entry, open-exit lab environment. Successful completion of the course results in 5 high school credits.

ABSE 115**ENGLISH 11B**

ABSE 115 focuses on reading, analyzing, and writing about diverse American Literature selections. Students will further practice the modes of analytical, informative, explanatory, narrative, and research based writing. All strategies are aligned with the California Common Core State Standards and high school grade-specific standards to define college and career readiness expectations. ABSE 115 is equivalent to the second semester of 11th grade English (11B). It meets the requirements for a high school diploma. Laboratory 100 hours. **Note:** This is a self-paced course in an open-entry, open-exit lab environment. Successful completion of the course results in 5 high school credits.

ABSE 116**ENGLISH 12A**

ABSE 116 focuses on reading, analyzing, and writing about diverse British Literature selections. Students engage in further practice in the modes of analytical, informative, explanatory, narrative and research based writing. All strategies are aligned with the California Common Core State Standards and high school grade-specific standards to define college and career readiness expectations. ABSE 116 is equivalent to the first semester of 12th grade English (12A). It meets the requirements for a high school diploma. Laboratory 100 hours. **Note:** This is a self-paced course in an open-entry, open-exit lab environment. Successful completion of this course results in 5 high school credits.

ABSE 146**ETHNIC STUDIES**

ABSE 146 is a high school-level introductory course in ethnic studies. The course explores individual connections to local and global histories, examining the intersection of gender, race, ethnicity, culture, and nationality to cultivate respect and empathy for individuals and groups of people locally, nationally, and globally. Through historical documents, historical interpretations, and personal narratives, students will consider the contributions, struggles against injustice, and movements toward self-determination of traditionally marginalized populations, which have been central to the American historical narrative. It meets the requirements for a high school diploma. Laboratory 100 hours. **Note:** This is a self-paced course in an open-entry, open-exit lab environment. Successful completion of the course results in 5 high school credits. **Recommended Preparation:** ESL 40.

ABSE 149**ART HISTORY 1A**

ABSE 149 is a high school level course designed to give an overview of art and architecture from prehistory times up to the Renaissance. The course includes the art of Europe, Asia, Africa, and the Americas. It meets the requirements for a high school diploma. Laboratory 100 hours. **Note:** This is a self-paced course in an open-entry, open-exit lab environment. Successful completion of the course results in 5 high school credits.

ABSE 150**ART HISTORY 1B**

ABSE 150 is a high school level course designed to give an overview of art and architecture from the early Byzantine era through modern times. The course includes the art of Europe, Asia, Africa, and the Americas. It meets the requirements for a high school diploma. Laboratory 100 hours. **Note:** This is a self-paced course in an open-entry, open-exit lab environment. Successful completion of the course results in 5 high school credits.

ABSE 186**ESSENTIALS IN READING AND PARAGRAPH WRITING**

ABSE 186 is designed for students who want to improve their reading and paragraph writing skills for college and career readiness. Focus is on reading and comprehension strategies, vocabulary development, fluency, and responsive writing in the form of a well-structured paragraph. Lecture 32 hours. **Note:** This course is Pass/No Pass only.

ABSE 187**PREPARATION FOR COLLEGE READING AND COMPOSITION**

ABSE 187 is designed for students who want to strengthen their critical reading comprehension and responsive essay writing skills for college and career readiness. This course leads students through reading analysis and the writing process: planning, organizing, writing, evaluating, and revising essays. This course includes incorporating and citing evidence from source materials. Lecture 32 hours. **Note:** This course is Pass/No Pass only.

ESL 10 (Approved Starting Summer 2025)**ENGLISH AS A SECOND LANGUAGE LEVEL 1**

Prerequisite: Placement is based upon performance on a division placement assessment or completion of ESL 1.

ESL 15 (Approved Starting Summer 2025)**ENGLISH AS A SECOND LANGUAGE LEVEL 1 FOR WORK**

Prerequisite: Placement is based upon performance on a division placement assessment or completion of ESL 1.

ESL 20 (Approved Starting Summer 2025)**ENGLISH AS A SECOND LANGUAGE LEVEL 2**

Prerequisite: Placement is based upon performance on a division placement assessment or completion of ESL 10.

ESL 25 (Approved Starting Summer 2025)**ENGLISH AS A SECOND LANGUAGE LEVEL 2 FOR WORK**

Prerequisite: Placement is based upon performance on a division placement assessment or completion of ESL 10 or ESL 15.

ESL 30 (Approved Starting Summer 2025)**ENGLISH AS A SECOND LANGUAGE LEVEL 3**

Prerequisite: Placement is based upon performance on a division placement assessment or completion of ESL 20.

ESL 35 (Approved Starting Summer 2025)**ENGLISH AS A SECOND LANGUAGE LEVEL 3 FOR WORK**

ESL 35 is designed for students at the low-intermediate level of English acquisition. Students will learn grammar, sentence and paragraph structure, and increase (or develop) their workplace reading and writing skills, verbal communication skills, comprehension of spoken English, and soft skills for a vocational context. Additionally, this course emphasizes effective communication in a variety of workplace situations. Lecture 160-224 hours. *Prerequisite:* Placement is based upon performance on a division placement assessment or completion of ESL 20 or 25.

ESL 40 (Approved Starting Summer 2025)**ENGLISH AS A SECOND LANGUAGE LEVEL 4**

Prerequisite: Placement is based upon performance on a division placement assessment or completion of ESL 30.

ESL 45 (Approved Starting Summer 2025)

ENGLISH AS A SECOND LANGUAGE LEVEL 4 FOR WORK

Prerequisite: Placement is based upon performance on a division placement assessment or completion of ESL 30 or ESL 35.

ESL 50 (Approved Starting Summer 2025)

ENGLISH AS A SECOND LANGUAGE LEVEL 5

Prerequisite: Placement is based upon performance on a division placement assessment or completion of ESL 40.

ESL 55 (Approved Starting Summer 2025)

ENGLISH AS A SECOND LANGUAGE LEVEL 5 FOR WORK

Prerequisite: Placement is based upon performance on a division placement assessment or completion of ESL 40 or ESL 45.

ESL 57 (Approved Starting Summer 2025)

ENGLISH AS A SECOND LANGUAGE COLLEGE READINESS LEVEL 5

ESL 57 provides advanced instruction in reading and writing; composition and essay structure; verbal communication skills; comprehension of academic, professional, and everyday spoken English; and development of life skills competencies. This course places a special emphasis on the development of academic writing, reading, listening, and speaking skills. Students study increasingly complex structures and incorporate these structures into essays of three to five paragraphs. Students learn how to develop their overall effectiveness in communication at a college level through direct examination of English language structures and vocabulary appropriate for academic settings. Lecture 160-224 hours. *Prerequisite:* Placement is based upon performance on a division placement assessment or completion of ESL 40 or ESL 45.

ESL 70 (Approved Starting Summer 2025)

Administrative Medical Assisting & ESL Success and Support Course

Prerequisite: Placement is based upon performance on a division placement assessment or completion of ESL 30 or ESL 35. Recommended Corequisite: STV 61.

ESL 91

ESL CITIZENSHIP INTERMEDIATE

ESL 91 Citizenship guides ESL students at the beginning and intermediate level through the naturalization process. This course combines ESL instruction with the information necessary for students to successfully become U.S. citizens. This course provides instruction in reading, writing, verbal communication, U.S. civics, the Naturalization Interview and Test, and the United States Citizenship and Immigration Services (USCIS) Form N-400. Emphasis is placed on the oral and written English necessary to pass the United States Naturalization Interview and Test. Students learn the steps to becoming a U.S. citizen, and receive limited, high beginner-level instruction on the history, government, and geography of the United States. Lecture 68 hours. **Recommended Preparation:** ESL 20 or equivalent.

LLS 10

CONTEMPORARY WORLD ISSUES

LLS 10 centers on discussion of current social, political, and cultural issues around the world. This class is an opportunity for older adults to discuss, share opinions, and gain insight into the complex events of today's world. Lecture 36 hours. **Note:** This is a course designed for the older adult. Note: This course is Pass/No Pass only.

LLS 21**QUALITY OF LIFE**

LLS 21 is an interactive class focusing on improving the quality of life, increasing social outlets, and clarifying life issues for older adults. Lecture 32 hours. **Note:** This is a course designed for the older adult. This course is Pass/No Pass only.

LLS 27**WHERE'S MY MEMORY?**

LLS 27 explores the far reaches of the human mind, including the processes of remembering and forgetting, with special emphasis on age-related memory loss and strategies for memory enhancement. Lecture 12 hours. **Note:** This is a course designed for the older adult. This course is Pass/No Pass only.

LLS 30**DISCOVERING YOURSELF THROUGH MEMOIR WRITING AND MORE**

LLS 30 provides the opportunity for older adults to recall, discuss and translate their memories into written memoirs by application of varied writing techniques and shared oral expression. Lecture 8 hours, laboratory 24 hours. **Note:** This is a course designed for the older adult. This course is pass/no pass only.

LLS 72**FILM APPRECIATION**

LLS 72 provides exposure to an academic curriculum of film history and appreciation for older adults. This class helps these students to maintain linkages to both the past and the contemporary world. The discussion of film history and theory develops both analytic and verbal skills. Emphasis is placed on how films historically reflect their time and how social issues have evolved. Selected film clips are shown and each session will focus on five different films. Lecture 12.5 hours. **Note:** This is a course designed for the older adult. **Note:** This course is Pass/No Pass only.

LLS 90**ART HISTORY**

LLS 90 promotes an understanding of the role of art in human development. A variety of periods, geographical areas, and artists will be presented with one school of art per session. Lecture 14 hours. **Note:** This is a course designed for the older adult. **Note:** This course is Pass/No Pass only.

LLS 95**WORLD RELIGIONS**

LLS 95 provides a general introduction to human religious nature, ancient religions, Judaism, Christianity, Islam, Hinduism, and Buddhism. This course is designed for the older adult and focuses on the awareness of the student's spiritual experience. Lecture 32 hours. **Note:** This is a course designed for the older adult. This course is pass/no pass only.

LLS 141**ANCIENT CIVILIZATIONS OF THE WORLD**

LLS 141 explores the history, archaeology and influence of civilizations in the ancient world. Each session explores a different civilization. This course is designed for the older adults who want to recharge their interest in and sharpen their awareness of how ancient civilizations laid the groundwork for our contemporary world. Lecture 32 hours. **Note:** Each session focuses on a different civilization. **Note:** This is a course designed for the older adult. **Note:** This course is Pass/No Pass only.

STV 33**BUSINESS LETTER WRITING**

STV 33 covers common practices of business letter writing including: key differences between business letters and memos and practical advice on formatting, tone, and language. Additionally, students will be introduced to the five step writing process and English essentials of proper business correspondence. Lecture/Demonstration 32 hours. **Note:** This course is Pass/No Pass only.

STV 11**BEGINNING KEYBOARDING**

STV 11 is an individualized class where students learn keyboarding by touch, or how to type on a computer without looking at the keyboard. Students use computers to develop their skills. Extensive accuracy and speed development is offered. Lecture 50 hours. **Note:** Students may enter at any time throughout the semester; the curriculum is individualized. The course is self-paced. **Note:** This course is Pass/ No Pass only.

STV 12**INTERMEDIATE KEYBOARDING**

STV 12 students get additional practice by producing business documents with touch keyboarding. All students work on computers and learn MS Word while they advance. Extensive accuracy and speed development are also practiced. Lecture 150 hours. **Note:** Students may enter at any time throughout the semester because the curriculum is individualized. The course is self-paced. **Note:** This course is Pass/ No Pass only.

STV 13**ADVANCED KEYBOARDING**

STV 13 is an individualized class where students use the advanced features of keyboarding and MS Word skills for business documents in a variety of specialized situations. All students work on computers and learn Advanced MS Word functions as they progress. Students continue to improve typing accuracy and speed. Lecture 100 hours. **Note:** Students may enter at any time throughout the semester, the curriculum is individualized. The course is self-paced. **Note:** This course is Pass/ No Pass only.

STV 14**KEYBOARDING FOR HIGH SCHOOL CREDIT**

STV 14 is an individualized class that covers keyboarding by touch through the production of business documents. All students work on computers and learn MS Word as they advance. Extensive accuracy and speed development is offered. Lecture 100 hours. **Note:** This is a self-paced course in an open-entry, open-exit lab environment. Successful completion of the course results in 5 high school credits.

STV 21**BUSINESS MATH AND CALCULATORS**

STV 21 increases students' basic math skills, taught in the context of payroll and banking. The course includes instruction in basic arithmetic, calculators by touch, speed development on calculators, and calculator functions. Lecture/Demonstration 160 hours. **Note:** Students may enter at any time, and the curriculum is individualized. The course is self-paced. Students may complete one or more sections. **Note:** This course is Pass/ No Pass only.

STV 22**BEGINNING ACCOUNT CLERK**

STV 22 students study full cycle accounting, financial statements, payroll, and accounts receivable and payable in both manual and computerized formats. Lecture 140 hours. **Note:** Students may enter at any time, the curriculum is individualized. The course is self-paced. **Note:** This course is Pass/ No Pass only.

STV 23**ADVANCED ACCOUNT CLERK**

STV 23 students study advanced accounting, financial statements, uncollectibles, notes payable and receivable, accruals, inventory, and advanced accounts receivable and payable in both manual and computerized formats. Lecture 160 hours. **Note:** Students may enter at any time, the curriculum is individualized. The course is self-paced. **Note:** This course is Pass/ No Pass only.

STV 31**BUSINESS WRITING: EMAIL**

Students in STV 31 discuss various terms, actions, structure, and features of email communication in a business setting. The course covers professional email writing practices, readability, etiquette, threats and protection. Lecture/Demonstration: 24 hours. **Note:** This course is Pass/ No Pass only.

STV 34**FILING FUNDAMENTALS**

STV 34 covers the use of indexing rules for filing alphabetically, numerically, geographically and by subject. Classroom exercises, practical activities, handouts, and quizzes are designed to prepare students for working with office files and employment tests. Laboratory 40 hours. **Note:** This course is Pass/ No Pass only.

STV 35**ON-THE-JOB COMMUNICATION**

STV 35 focuses on interacting in the workplace, avoiding barriers to communication and understanding and adapting to different personal communication styles. Students learn communication strategies for getting along with coworkers, supervisors, and clients. Other topics include nonverbal communication, active listening, written communication, and communication styles. Students also practice telephone techniques through oral practice. Lecture/Demonstration: 32 hours. **Note:** This course is Pass/ No Pass only.

STV 40**21ST CENTURY EMPLOYMENT STRATEGIES**

STV 40 prepares students for success in gaining employment. Topics to be covered include resume development, cover letters, interviewing techniques, job search strategies, employment applications, pre-employment testing, and job retention. Lecture: 96 hours. **Note:** This course is Pass/ No Pass only.

STV 50**CUSTOMER SERVICE SKILLS**

STV 50 teaches practical techniques to address the number one concern of employers: customer service skills. Emphasis is on internal and external customers, attitude, team-building, problem solving techniques, organizational change, conflict resolution, managing stress in the workplace, business ethics, the importance of verbal and non-verbal communication, and appropriate business etiquette. Lecture 32 hours. **Note:** This course is Pass/No Pass only.

STV 55**OFFICE EQUIPMENT**

STV 55 gives students the necessary skills and practical knowledge to effectively use office equipment. Through comprehensive instruction, students will gain practical experience of office equipment in professional environments. Upon successful completion of this course, students will be prepared to apply their skills in real-world settings and collaborate with colleagues. Lecture/Demonstration: 32 hours. **Note:** This course is Pass/ No Pass only.

STV 60**PATHWAYS TO HEALTH CAREERS**

In STV 60, students who are interested in health careers explore the basic concepts of this profession and field. Concepts include roles in health careers, compassion for individuals in other cultures, and customer/patient service. Lecture 24 hours. **Note:** This course is Pass/ No Pass only.

STV 61**ADMINISTRATIVE MEDICAL ASSISTING**

STV 61 gives students a comprehensive understanding of all medical front office duties. Emphasis is placed on mastering medical terminology, handling patient problems over the phone or in person, learning basic billing and transcription techniques and medical software. Lab 352 hours. Note: Students should be able to keyboard at a minimum rate of 20 wpm and perform alpha/numeric filing. **Note:** There is a recommended co-requisite of ESL 70 for all who need support with medical terminology. **Note:** This course is Pass/ No Pass only.

STV 62**DENTAL FRONT OFFICE**

STV 62 gives the participant a comprehensive understanding of dental front office duties. Emphasis will be on mastering dental terminology, handling problem situations involving patients either over the telephone or in person, learning basic billing and transcription techniques and dental software. Lecture/Demonstration 70 hours, Laboratory 30 hours. **Note:** Student should be able to keyboard at a minimum rate of 20 wpm and perform alpha/numeric filing.

Note: This course is Pass/ No Pass only.

STV 63**MEDICAL CLINICAL ASSISTING**

STV 63 gives the student a comprehensive understanding and mastery of clinical back office procedures. Students learn skills for work in medical practice, such as checking blood pressure, injections, and drawing blood. Lecture 360 hours. **Note:** This course is Pass/ No pass only.

STV 64**HOME CAREGIVER/AIDE**

STV 64 provides workforce preparation for personal care assistance in the home. This course is specifically for noncredit students who are seeking training in the health field for immediate entry-level employment. Furthermore, this course equips students with foundational health skills to enter into more advanced health career programs. Lecture 96 hours. **Note:** This course is Pass/No Pass only.

STV 65**BASIC REVIEW FOR CALIFORNIA CERTIFIED MEDICAL ASSISTANT**

In STV 65, students review for the California Certified Medical Assistant Examination. This course covers the basic, clinical specialty, and administrative specialty components of the examination. Lecture 96 hours. **Note:** This course is Pass/ No pass only.

STV 66**CERTIFIED NURSING AIDE**

STV 66 provides workforce preparation for basic nursing care in the direct care of patients in a variety of settings. Focus is on direct care of the client, promotion of comfort measures, and collection of Lab specimens, recording and reporting of data to licensed personnel. Principles of critical thinking, team building, ethics, caring, and cultural sensitivity are integrated throughout the course. Students who complete this course are qualified to take the California Certification Exam. Lecture 60-80 hours and Laboratory 100-160 hours.

STV 70**INTRODUCTION TO COMPUTERS**

STV 70 introduces computer concepts to students with no previous experience with computing. The course focuses on the personal computer (PC). Lecture/ Demonstration 16 hours. **Note:** This course is Pass/ No pass only.

STV 71**COMPUTER BASICS/ESL LEARNERS**

STV 71 is a computer literacy course for ESL students. The course introduces students to computer vocabulary, keyboarding and educational software programs. Students also practice using the Internet, e-mail, and word processing applications. Students become more confident in using a computer so they can continue their education in basic computer business classes and improve their independent computing skills. Lecture 64 hours. **Note:** This course is Pass/ No Pass only.

STV 72**GOOGLE WORKSPACE FUNDAMENTALS**

STV 72 introduces students to using and configuring a Google account, security settings, Gmail, Google Calendar, Google Voice, Google Drive, Google Docs, Google Sheets, and Google Forms. Students create a Google account, change account settings, use all features available in Gmail, create calendars and appointments in Google Calendar, create a forwarding telephone number service in Google Voice, and create a channel as well as content in Google's YouTube. Lecture 24-32 hours. **Note:** This course is Pass/No Pass only.

STV 73**GOOGLE WORKSPACE INTERMEDIATE**

STV 73 provides students with skills and information to extend their knowledge of Google Workspace beyond the Google Workspace Fundamentals course. Students create documents and forms in the cloud, backup files, and collaborate with others on documents and worksheets. Lecture 24-32 hours. **Note:** This course is Pass/No Pass only.

STV 80**MICROSOFT WINDOWS**

STV 80 gives students a basic introduction to the Windows environment. Topics include managing the desktop, the mouse, managing files (creating folders, deleting, moving, and copying files, etc.), and learning system information. Lecture/Demonstration 16 hours. **Note:** This course is Pass/ No Pass only.

STV 90**MICROSOFT EXCEL**

STV 90 is a basic introduction to spreadsheet software using Microsoft Office Excel. This is a beginning level course that teaches the student how to create a worksheet, use formulas and functions, insert charts, and more. Lecture/Demonstration 48 hours. **Note:** This course is Pass/ No Pass only.

STV 91**MICROSOFT ADVANCED EXCEL**

STV 91 introduces spreadsheet software using Microsoft Office Excel. This intermediate level course teaches students to use advanced formatting techniques, templates workspace, and advanced functions. Lecture/Demonstration 48 hours. **Note:** This course is Pass/ No Pass only.

STV 95**QUICKBOOKS AUTOMATED ACCOUNTING**

STV 95 is an automated accounting program that uses QuickBooks software. In this introductory course, students input basic business information and transactions, such as entering customers/vendors and chart of accounts, writing checks, entering/paying bills and making deposits. Lecture/Demonstration 28 hours. **Note:** This course is Pass/ No Pass only.

STV 97**SAGE 50 AUTOMATED ACCOUNTING**

STV 97 is an automated accounting program that uses Sage 50 accounting software. This introductory course teaches students to input basic business information and transactions, such as entering customers/vendors and account charts, writing checks, entering/paying bills and making deposits. Lecture/Demonstration 28 hours.

STV 100**BEGINNING MICROSOFT WORD**

STV 100 is a basic introduction to word-processing using Microsoft Word. This beginning level course teaches students how to create, format, edit, print, and store simple documents. Lecture 48 hours. **Note:** This course is Pass/ No Pass only.

STV 101**ADVANCED MICROSOFT WORD**

STV 101 is an advanced course of word-processing using Microsoft Word. This course teaches the student how to mail merge, format with special features, add visual appeal to documents, format with macros and styles, and protect forms. Lecture/Demonstration 48 hours. **Note:** This course is Pass/No Pass only.

STV 111**MICROSOFT POWERPOINT**

STV 111 gives students a basic introduction to presentation software using Microsoft PowerPoint. Topics include using a design template and auto layouts to create a presentation, running a slide show, inserting clip art, and creating organizational charts. Lecture/Demonstration 32 hours. **Note:** This course is Pass/ No Pass only.

STV 113**MICROSOFT ACCESS**

STV 113 is a basic introduction to database using Microsoft Office Access. This beginning level course teaches students how to create tables, define fields, open and close tables, create relationships between tables, sort tables, and create reports and forms. Lecture/Demonstration 48 hours. **Note:** This course is Pass/ No Pass only.

STV 120**COMPUTER LAB FOR NONCREDIT**

STV 120 is a computer laboratory course available for all registered noncredit students. This course provides students with computer devices and proprietary or commercial software to practice skills learned in their noncredit courses. Students learn to utilize available computer technologies for academic work, research and personal enrichment. Laboratory 20-320 hours. Note: Students must be enrolled in another noncredit course to enroll into STV 120. **Note:** This course is Pass/ No Pass only.

STV 138**MICROSOFT OUTLOOK**

STV 138 introduces students to the basic concepts of personal information management (PMI) program using Microsoft Office Outlook. This beginning level course includes how to communicate by e-mail, manage contacts, plan tasks, use schedules, and manage the inbox. Lecture/Demonstration 32 hours. **Note:** This course is Pass/ No Pass only.

STV 140**INTERNET**

STV 140 gives students a basic introduction to accessing and using the Internet. Topics include how to connect to the Internet, how to use web browsers and search engines, and how to access services and information on the Internet. Lecture/ Demonstration 16 hours. **Note:** This course is Pass/ No Pass only.

ADULT BASIC EDUCATION**Certificate of Completion**

This program allows students to improve their basic academic skills, increasing their chances for employment and success in further education. To be eligible for this certificate, students must read and comprehend at the 8th grade reading level, write clear and grammatically correct paragraphs using a variety of sentence structures, and be able to add, subtract, multiply and divide whole numbers, decimals, fractions and percentages. Students must achieve NRS (National Reporting System) level 5 on the CASAS Reading Goals and Math Goals test to be eligible for this certificate.

Complete at least one of the following: ABSE 10, 20, 50, 122, 186.