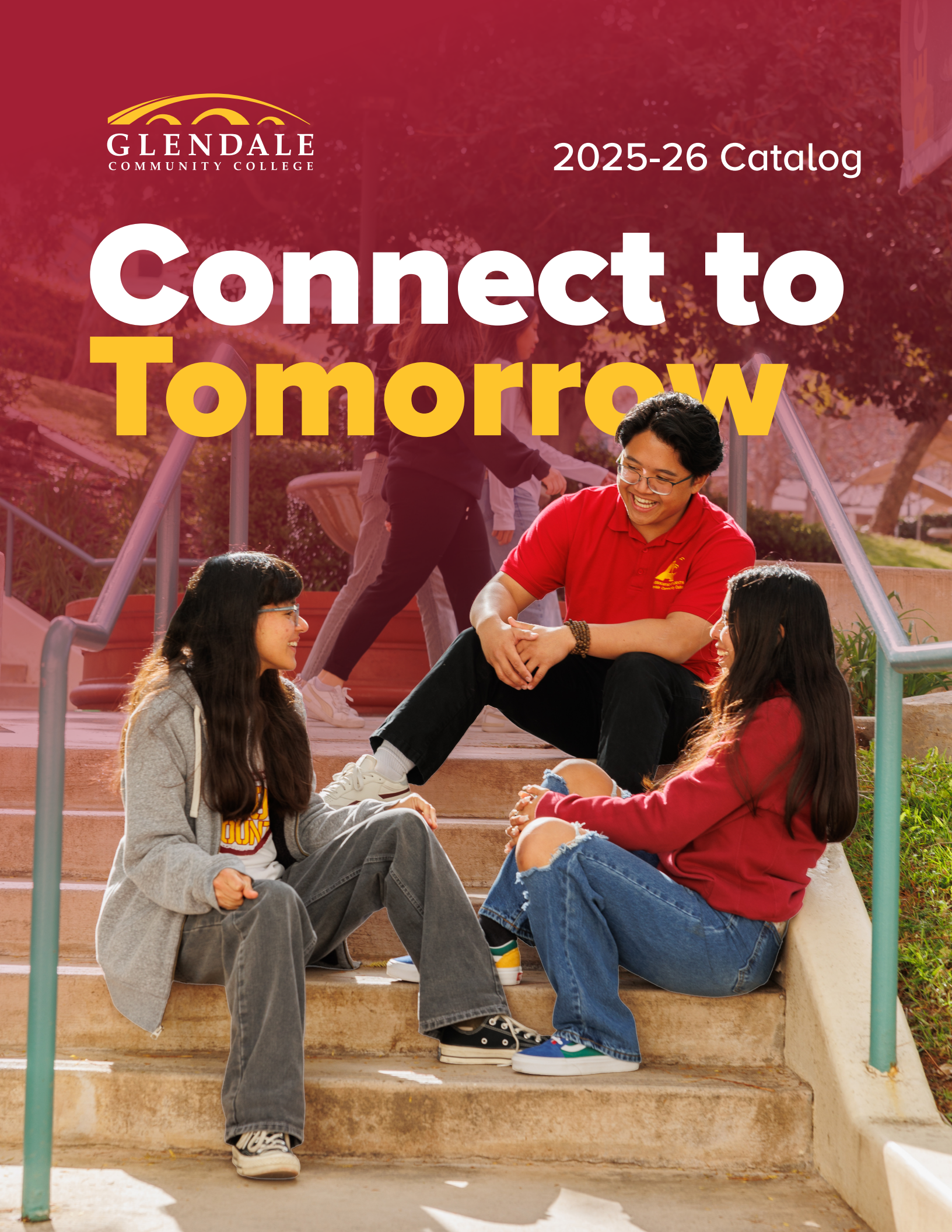




2025-26 Catalog

Connect to Tomorrow





catalog 2025–2026

GLENDALE COMMUNITY COLLEGE

1500 N. Verdugo Road • Glendale, CA 91208-2809
818-240-1000 • FAX: 818-549-9436
Website: www.glendale.edu



GLENDALE COMMUNITY COLLEGE

Welcome to Glendale Community College! For nearly a century, we have served the community and supported students with academic excellence. Our exceptional staff, faculty and administration are dedicated to helping you achieve your academic goals and individual ambitions.

We are grateful that you have chosen to continue your education with Glendale Community College. We have programs that will get you ready for university transfer, prepare you to enter the workforce, or advance your career. Whether you choose online or in person courses at our three academic sites, we are thrilled to offer you programs that focus on your needs.

We are committed to providing opportunities to expand your horizons through innovative learning experiences, a vibrant campus environment, and outstanding student services. I encourage and invite you to participate in the many activities we offer, such as student clubs, student government, athletics, and campus events.

On behalf of our Board of Trustees, and our outstanding faculty, dedicated staff, current students and alumni, we welcome you. It is our honor to support your success.

*Dr. Ryan Cornner
Superintendent/President*

BOARD OF TRUSTEES

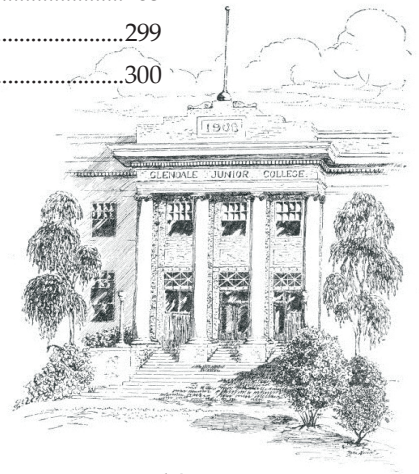
Dr. Sevan Benlian
Ms. Yvette Vartanian Davis
Dr. Armine Hacopian
Ms. Desiree Portillo Rabinov
Ms. Ann H. Ransford

The Board of Trustees of the Glendale Community College District consists of five members who are elected by the voters of the community for a four-year term. A Student Trustee is elected annually by the students and is the official representative of the students to the Board. The Superintendent/President of the District serves as Secretary to the Board. The Board meets at least once a month, and agendas are posted in accordance with the Brown Act.

The Board has authority over and responsibility for policies to assure the academic quality, integrity, and effectiveness of the student learning programs and services and the financial stability of the college. Its duties include approval of college policy, adoption of an annual budget, approval of expenditures of all District funds, approval of plans, acquisition of property for District purposes, and approval of employment of academic and classified personnel.

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COLLEGE ADMINISTRATION, MANAGEMENT AND FACULTY DIVISION CHAIRS

(818) 240-1000

Superintendent/President	Ryan Cornner	5105
Executive Assistant to the Superintendent/President and Board of Trustees.....	Debra Kallas	5105
Vice President, Human Resources.....	Brittany Grice	5162
Director, Human Resources.....	Val Dantzler	5174
Executive Director, Foundation	Paola Santana.....	5196
Director, Communications and Governance Relations.....	Kristine Nam	5287
Chief of Police	Gary Montecuolo	3120, 5205
Police Sergeant	Rony Aharonian	3048, 5205
Police Sergeant	Narbeh Nazari	3047
Vice President, Administrative Services	Sharlene Coleal.....	5210
Associate Vice President, Administrative Services	Amy Williams.....	5208
Associate Vice President, Technology and Innovation	Michael Dioquino	5281
Director, Network, Systems and Support Services (Interim).....	Lauren Lampietti	5182
Senior Database Administrator		5185
Computer Lab Supervisor.....	Tom Starr	5806
Director, Accounting	Angineh Baghoomian	5209
Director, Facilities	Jerry Lewis.....	6610
Facilities Manager.....	Patrick Shahnazarian.....	6612
Custodial Shift Supervisor	Gus Rocha	6614
Grounds Supervisor.....		5219
Director, Business Services		5124
Business Services Manager.....	Rocio Maldonado.....	5123
Performing Arts Production Manager.....		5635, 5613
Vice President, Instructional Services	Michael Ritterbrown	5104
Dean, STEM.....	Jeremy Talaoc	5378
Division Chair, Biology	Javier Gago.....	5369
Division Chair, Mathematics.....	Yvette Hassakoursian.....	3130
Division Chair, Physical Science.....	Sevada Chamras.....	5630
Dean, Continuing Education and Adult Education (Interim)	Thatcher Weldon.....	5018
Program Director, Professional Development Center	Ani Keshishian	957-0024
Assistant Director, Professional Development Center (Interim).....	Angine Aslanian	957-0024
Associate Dean, Continuing and Community Education		5056
Program Manager III, Night/Weekend Garfield Site Manager.....	Ali Kobaissi.....	3070
Assistant Director, Child Development Center (Interim).....	Tatiana Zaragarian.....	5355
Computer Lab Supervisor		5061, 5672
Division Chair, Noncredit English as a Second Language	Margaret Richer.....	5811
Division Chair, Noncredit Business & Life Skills, Continuing Education	Maria Czech	3054
Dean, Instructional Services.....	Agnes Eguaras.....	5218
Division Chair, English.....	Francien Rohrbacher	6602
Division Chair, Credit English as a Second Language.....	Zohara Kaye	5510
Division Chair, Social Science.....	Elizabeth Kronbeck	5743
Division Chair, Language Arts	Samantha Garagliano.....	3529
Division Chair, Visual & Performing Arts.....	Peter Green	5622

COLLEGE ADMINISTRATION, MANAGEMENT AND FACULTY DIVISION CHAIRS

(818) 240-1000

Dean, Library and Learning Support Services	Katie Datko	5579
Library Public Service Manager.....	Richmond Leung	5872
Library Technical Services Manager		5584
Student Services Lab Manager	Andrew Stires.....	5330
Dean, Research, Planning, and Grants	Mike Davis.....	5392
Program Manager III, Hispanic Serving Institution Initiatives.....		5864
Program Manager III, Title V		3075
Program Manager of Accreditation & Institutional Effectiveness.....	Daphne Dionisio	5722
Dean, Workforce Development, Instructional Services	Federico Saucedo	5158
Associate Dean, Health Sciences (Interim).....	Michelle Ramirez Saelak.....	5724
Associate Dean, Career Education & Workforce Development	Meg Chil-Gevorkyan.....	5473
Program Manager I, Career Pathways & Strong Workforce Programs (Interim)....	Alejandra Gonzalez	5302
Division Chair, Business	Michael Scott.....	5746
Division Chair, Kinesiology.....	Joel Weiss.....	5643
Division Chair, Technology & Aviation.....	Andrew Fieldman.....	3256
Director, Child Development Center		5355
Curriculum & Scheduling Systems Manager	Nancy Traynor	5312
Vice President, Student Services	Alen Andriassian	5126
Director, Admissions & Records.....	Michelle Mora	5114
Associate Dean, Student Services (Interim)	Aarin Edwards	5846
Associate Dean, Student Financial Aid Services	Giselle Gamino	5429
Assistant Director, Student Financial Aid Services.....	Arda Najarian	5433
Dean, Student Affairs	Tzoler Oukayan.....	5594
Associate Dean, Athletics	Chris Cicuto.....	5376
Program Manager, Social Services	Ana Mendez	1612
Program Manager I, Student Outreach	Karen “Gary” Shamoyan.....	5457
Program Manager I, GCC, CARES.....	Daisy N. Lovo.....	3033
Program Manager I, Multicultural & Community Engagement Center		5789
Program Manager II, Health Services		5190
Student Affairs Manager	Aida Avanosian.....	5591
Dean, Student Services	Drew Yamanishi.....	5512
Program Manager III, CalWORKs Parents Program ..(Interim)	Karen Tu	5846
Program Manager III, EOPS.....		5570
Program Manager III, Disabled Student Program & Services Director.....	Shauna Hagemann.....	5488
Program Manager III, Career Services & Job Placement.....	Andra Hoffman Verstraete	5405
Program Manager III, Student Equity	Yeranui Barsegyan	3075
Program Manager I, International Students Program (Interim).....	Marie Elguira.....	5887
Division Chair, Student Services	Richard Cortes	5445

Glendale Community College reserves the right to modify its programs, tuition and fees, admission and graduation requirements, schedules and other policies, procedures and regulations stated in this catalog without notice. This catalog does not constitute a contract between the student and the college. This catalog is available in alternate text upon request.

2025 CALENDAR

SUMMER 2025

- April 4 Deadline to apply for admission for Summer 2025 and be eligible for priority registration
- April 14- April 25 . . . Check your Priority Registration Appointment Date & Time for Summer 2025 session
 • Online at MyGCC.glendale.edu
- April 21 - April 25 . . . Priority registration for Summer 2025 session
- April 18 Deadline to apply for admission for Fall 2025 and be eligible for priority registration
- April 28 - June 13 . . . Open registration for Summer 2025 session
- April 28 Summer 2025 - High School Registration
- April 28 - May 30 . . . Check your Priority Registration Appointment Date & Time for Fall 2025 semester
 • Online at MyGCC.glendale.edu
- May 12 - May 30 . . . Priority registration for Fall 2025 semester
- May 26 Memorial Day (Observance) – Campus Closed
- June 15 Residence determination date for Summer session
- June 16 Instruction begins for the Summer session
- June 16 – 20 Late registration for the Summer session
- June 19 Juneteenth (Observance) – Campus Closed
- June 23 - June 27 . . . Summer session refunds are automatic for those students who dropped their classes by the appropriate due date. Contact the Student Fees Office with questions about refunds at tuitionoffice@glendale.edu.
- July 4 Independence Day (Observance) – Campus Closed
- August 22 End of Summer session
 Petitions for graduation and/or certificate for the Summer Session due in the Office of Admissions and Records
- September 1 Labor Day - Campus Closed
- September 2 Instruction begins for Fall 2025 semester
- September 2 Summer session grades available on MyGCC.glendale.edu

APRIL 2025

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It is the student's responsibility to know and adhere to all of the dates listed above. For session dates and deadlines refer to your MyGCC student portal located in your "My Class Schedule" for your personalized Academic Add/Drop Calendar. You can also view important dates at www.glendale.edu/importantdates. Dates are subject to change

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DECEMBER 2025

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2025 CALENDAR

FALL 2025

April 18*Deadline to apply for admission for Fall 2025 and be eligible for priority registration

April 28 - May 30 . . .Check your Priority Registration Appointment Date and Time for Fall 2025 semester

• Online at [MyGCC.glendale.edu](https://mygcc.glendale.edu)

May 12 - May 30* . . .Priority registration for the Fall 2025 semester

June 2 - August 29 . .Open registration for the Fall 2025 semester

June 2Fall 2025 - High School Registration

June 23Begin processing application for Winter and Spring 2026

September 1Labor Day - Campus Closed

September 1Residence determination date for the Fall semester

September 2Instruction begins for the Fall semester

16- week classes begin

September 2 - 13 . . .Late registration for Fall semester

September 15 - 19 . . .Refunds are automatic for those students who dropped their class by the appropriate due date. Contact the Student Fees Office with questions about refunds at tuitionoffice@glendale.edu.

September 23National Voter Registration Day

September 26Deadline to apply for admission for Winter 2026 and be eligible for priority registration

October 6Early Voting Begins

October 7 - 25Check your Priority Registration Appointment Date and Time for Winter 2025 session

October 13 - 17Priority registration for Winter 2026 session

October 20California Voter Registration Deadline

October 20 - 24Refunds for late start classes are automatic for those students who dropped their classes by the appropriate due date. Contact the Student Fees Office with questions about refunds at tuitionoffice@glendale.edu.

October 24*Deadline to apply for admission for Spring 2026 and be eligible for priority registration

November 4General Election

November 3 - 28Check your Priority Registration Appointment Date and Time for Spring 2026 semester

November 10Veteran's Day Observed- Campus Closed

November 17 - 28* . . .Priority registration for Spring 2026 semester

November 27 - 29 . . .Thanksgiving vacation (no Saturday classes on November 29)

December 11 - 17 . . .Final examinations for the Fall semester

December 1716- week classes end - End of the Fall semester

Petitions for graduation and/or certificate for the Fall semester due in the Office of Admissions and Records

December 24 - Jan 1 . .Winter Vacation - Campus Closed

January 5Fall grades are available on [MyGCC.glendale.edu](https://mygcc.glendale.edu)

**First time college students must apply and complete Orientation, and Student Educational Plan (SEP) by the application deadline to qualify for priority registration.*

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2026 CALENDAR

WINTER 2026

- September 26Deadline to apply for admissions for Winter 2026 and be eligible for priority registration
- October 6 - 24Check your Priority Registration Appointment Date and Time for Winter 2026 session
- Online at MyGCC.glendale.edu
- October 13 - 17Priority registration for the Winter 2026 session
- October 24Deadline to apply for admissions for Spring 2026 and be eligible for priority registration
- October 20 - Jan 2Open registration for the Winter 2026 session
- October 20Winter 2026 - High School Registration
- November 3 - 28Check your Priority Registration Appointment Date and Time for Spring 2026 semester
- Online at MyGCC.glendale.edu
- November 17 - 28Priority registration for Spring 2026 semester
- December 1Spring 2026 - High School Registration
- Dec. 24 - Jan. 1, 2026 .Winter Vacation – Campus Closed
- January 4Residence determination date for Winter session
- January 5Instruction begins for the Winter session
- January 5 - 9Late registration for Winter session
- January 12 - 16Refunds are automatic for those students who dropped their classes by the appropriate due date. Contact the Student Fees Office with questions about refunds at tuitionoffice@glendale.edu.
- January 19Martin Luther King, Jr. Day – Campus Closed
- February 12End of Winter session
- Petition for graduation and/or certificate for Winter session due in the Office of Admissions and Records
- February 13Lincoln's Day Observed - Campus Closed
- February 16Washington's Day Observed - Campus Closed
- February 17Instruction begins for the Spring 2025 semester
- February 23Winter grades are available on MyGCC.glendale.edu

SEPTEMBER 2025

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OCTOBER 2025

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NOVEMBER 2025

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DECEMBER 2025

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JANUARY 2026

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FEBRUARY 2026

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GENERAL INFORMATION

STATEMENT OF MISSION, VALUES & VISION

MISSION

We empower students to transform their lives by achieving their economic, educational, career, and life goals through our instructional programs, student services, and community partnerships.

VALUES

As a public community college, Glendale Community College is dedicated to the following values:

STUDENT-CENTERED CLIMATE

We are a student-centered college, collaborating to shape our institution so that students, staff, faculty, and administrators work in recognition of students' strengths, goals, efforts, and needs. We celebrate all students, providing excellent educational and training opportunities along with academic support for every student's endeavor. We promote student agency and engagement via the inclusion of the student voice in our shared governance and as home to a wide variety of student organizations, clubs, services, and learning communities.

DIVERSITY, EQUITY, INCLUSION, AND ACCESSIBILITY

We value our diverse student population as an asset and strength of our college. We also value diversity of our employees as a foundation of support for our students. We are committed to closing equity gaps and supporting each student to meet their educational needs regardless of level of preparation; race; socio-economic status; age; gender; gender expression; sexual orientation; cultural, religious or ethnic background; linguistic expression; immigration status; or disability status. We actively work for diversity, equity, inclusion, accessibility, anti-racism, and social justice, in pursuit of equitable educational opportunities and outcomes for all.

OPEN ACCESS

We serve all students by creating an educational community where they can take the next steps toward the future, no matter their level of preparation or educational background. With our distinction as a California Virtual Campus Teaching College, we serve students from Glendale, the Greater Los Angeles region, and beyond.

SHARED GOVERNANCE & DECISION MAKING

We are committed to a decision-making style that integrates the perspectives of all stakeholders: students, staff, faculty, administrators, trustees, and the community at large. The tradition of fairly and openly presenting new ideas and processing dissent through a transparent, robustly designed, and flexible governance structure is upheld by its constituents and is a key component of our character.

EDUCATIONAL EXCELLENCE

We are committed to fostering a culture and practice of innovative and equitable learning through our practices, methodologies, and support services that lead to authentic student success in terms of the acquisition of skills and knowledge that will provide benefit to students throughout their lives and careers.

SUSTAINABILITY AND STEWARDSHIP

We recognize that the work of sustainability requires the ongoing development of a culture of stewardship of our resources. Students are the center of our work. We seek to create campus spaces that serve the college community effectively and efficiently. We acknowledge that Glendale Community College sits upon the traditional land of the Tongva/Kizh people, and we encourage reflection among faculty, staff, and students about the meaning of our presence on Tongva land within our institutional decision-making processes.

COMMUNITY BUILDING, ENGAGEMENT, AND PARTNERSHIPS

We build a sense of belonging and engagement with the community we serve, both internally and externally, as a vibrant center of educational excellence, cultural engagement, and workforce development. We strive to actively identify and serve student and community needs as a Hispanic Serving Institution and for our learning communities. We collaborate internally with our students to build a community of acceptance and inclusion. We collaborate externally to build bridges with local school districts, the arts, business, industry, non-profits, government entities, and labor.

VISION

We are committed to building community and a sense of belonging for all. Through innovative and meaningful learning experiences, students enrich their lives, imagine their futures, achieve upward social and economic mobility, and contribute to a more inclusive, informed, and just society.

INSTITUTIONAL LEARNING OUTCOMES

Institutional Learning Outcomes (ILOs) are commonly defined as the knowledge, skills, abilities, and attitudes that students are expected to develop as a result of their overall experiences with any aspect of the college, including courses, programs, and student services.

Upon successful completion at Glendale Community College, the student will be able to:

1. Communication

communicate clearly, ethically, and creatively; listen actively and engage respectfully with others; consider situational, cultural, and personal contexts within or across multiple modes of communication;

2. Mathematical and Quantitative Reasoning

use quantitative and/or analytical mathematical skills to solve problems and to interpret, evaluate, and process information and data to draw logical conclusions and support claims;

3. Information Competency (Literacy)

recognize an information need and develop a research question or topic; strategically explore information in context using library and other resources; investigate the authority of information sources and the credibility of claims; locate, evaluate, and use information to create new knowledge in an ethical and legal manner;

4. Creative, Critical and Analytical Thinking

analyze and solve problems using critical, logical, and creative thinking; ask questions, pursue a line of inquiry, and derive conclusions; cultivate creativity that leads to innovative ideas;

5. Personal Responsibility and Ethics

practice ethical and responsible behavior within personal, academic, professional, social, and societal contexts; recognize and welcome diverse lifestyle choices that promote physical, intellectual, psychological, and social well-being;

6. Global, Cultural, Social, and Environmental Responsibility

reflect and act upon personal responsibility as local and global citizens; respect and appreciate social and cultural diversity and recognize the complexity of the world; value and articulate the significance of environmental sustainability and social justice,

7. Specialized Skills and Application of Knowledge

Demonstrate depth of knowledge in a course, discipline, or vocation by applying practical knowledge, skills, abilities, theories, or methodologies to solve unique problems.

PROGRAMS AND SERVICES

A variety of programs and services implements and supports the objectives and functions stated above.

- a. **Counseling:** Counseling services are available to help students have a successful college experience. Counselors are available to assist students with academic planning, career decision-making, life planning and personal and intra-personal concerns. Counselors provide a climate in which students make thoughtful, independent, decisions for educational and vocational goals. Working through individual interviews with students, small and large groups, and college orientation classes, they help students to become aware of their capabilities and to plan appropriately. A number of specialized counseling service centers are available on campus. These centers include Academic Counseling (Equity Programs, Black Scholars, LA Comunidad, Guardian Scholars), EOPS, DSPS, Career, Transfer (Scholars), Adult Re-Entry, International Student Office, and Admissions & Records (Veterans, Dismissals).
- b. **Health Services:** The Health Center provides first aid, primary health care, crisis counseling, health counseling, and health information and referral services.
- c. **Basic education:** Students with specific learning problems or with grade or subject deficiencies in their high school record may make up such deficiencies and enter into a program leading to an Associate degree and, if desired, to upper division standing at a four-year institution.
- d. **Refresher education:** Members of the community have the opportunity to refresh, as well as to update their knowledge in classes offered at GCC.
- e. **Evening education:** Persons wishing late afternoon or evening classes may enroll in the Evening College program. Evening College courses parallel and expand the daytime offerings. The college also offers classes on Saturdays.

- f. **General education for all members of the community:** The college offers wide and varied curriculum designed to promote the following objectives:

1. Development of communication and computational skills which form a base for training in critical thinking as exemplified in drawing sound conclusions from premises, making relevant judgments, and discriminating among values.
2. Knowledge of the cultural heritage as the accumulated record of the development of mankind.
3. Appreciation for aesthetic expression, excellence, and creativity as major values.
4. Foundation in knowledge, attitudes, and skills necessary for occupational employment.
5. Cultivation of habits which are essential to physical and emotional growth, citizenship, and societal responsibilities.
6. Development of an awareness of the influence of such environmental problems as population growth, land-use, and pollution on the quality of life through field observation and other experiences.

- g. **Adult education:** A varied adult education program including high school diploma subjects, English as a Second Language, citizenship, parent preschool education, retirement seminars, and office skills, is offered by the Noncredit Education office.

- h. **Education for creative use of leisure time:** The college encourages students to develop skills and an appreciation for creative use of leisure time.

- i. **Preparation for the future:** The college urges students to become more sensitive to world crises created by a burgeoning population and by the increasing demands of people and nations upon resources. Students learn to approach these crises through the scientific method of the natural sciences and through the combined methods of the humanities and social sciences and co-curricular programs. It is important for students to realize that the structure of human society is changing and that new and different technologies will affect the transition.

- j. **Services to meet the unique needs of ethnic-minority students:** The college is committed to cultural diversity within its student body achieved by recruitment of resident Americans of various national origins and by the acceptance of a significant number of foreign-visa students. Meeting the needs of these students realistically is an important function of the college.

ACCREDITATION

Glendale Community College is accredited by the Accrediting Commission for Community and Junior Colleges of the Western Association of Schools and Colleges, 428 J Street, Suite 400, Sacramento, CA 95814, (415) 506-0234, an institutional accrediting body recognized by the Council for Higher Education Accreditation and the U.S. Department of Education. Glendale Community College was last evaluated in 2016 and is an accredited institution. The next scheduled evaluation will take place in 2030. The college accepts credit for courses completed at colleges and universities that have been accredited by one of the institutionally accrediting associations.

ADVISORY COMMITTEES

Glendale Community College seeks advice about the programs and goals of the institutions. Individual citizens representing organizations, interests, and specific programs contribute their time to ensure that the college is meeting student, industry, and community needs.

ALUMNI ASSOCIATION

The Glendale College Alumni Association office is located in the Foundation Office, John A. Davitt Administration Building, AD 149. It is free to join the Alumni Association. Alumni are active supporters of all the major initiatives of the Foundation and help to mentor students, serve on boards and donate to help students succeed. To find out about how alumni can leave a legacy to Glendale College Foundation, please call (818) 551-5196.

THE BAJA CALIFORNIA FIELD STUDIES PROGRAM

Glendale Community College has been offering field classes and field trips in the Baja California peninsula of Mexico since 1974. The college maintains a facility in the peninsula, the field station "Estación del Mar Cortés", which serves as a headquarters for various curricular offerings of interest to its faculty and students. Over the years, courses in marine biology, natural history, oceanography, geology, history of Baja California, philosophy, psychology, health, geography, physical education, English and Spanish have been offered. The Center for Students with Disabilities has also participated in our field activities.

In a setting that emphasizes field observation and cooperative learning, the program aims to expose students to a pristine and complex natural environment coupled with a unique experience in Mexican culture. Different academic experiences are integrated in a setting which results in memorable and long-lasting adventures in learning. By living and learning together, a community of learners is created where the beauty and complexity of the human and natural world can be observed, studied and enjoyed.

Students interested in participating in any of the programs offered should contact the Baja California Field Studies Program office at (818) 240-1000, ext. 3159, for application forms. You can also obtain more information and learn about current offerings at www.glendale.edu/baja.

CONTINUING EDUCATION

Continuing Education at the Garfield Campus

Glendale Community College has offered noncredit courses since the early 1930's. The Garfield Campus administers Continuing Education which includes the Business and Life Skills division and the Noncredit English as a Second Language division. Departments include ESL, Lifelong Learning, Office Business Technology, Student Success Center (ABSE), and Parent Education. Classes are held primarily at the Garfield Campus, as well as the Verdugo campus, and throughout the community. Classes are available in the mornings, afternoons, and evenings throughout the week. Counseling services are available in the Career and Counseling Center at the Garfield Campus. For more information, please call (818) 240-1000, ext. 5055.

Parent Support/Child Development Center at Garfield for children 3-5 years. Open to GCC students at either campus. We have both a State preschool program and Headstart for students who qualify. For more information, please call (818) 240-1000, ext. 3071.

Continuing Education office hours are 8:00 a.m. to 9:00 p.m. Monday through Thursday, and 8:00 a.m. to 4:30 p.m. on Friday. All Continuing Education classes are **tuition-free**. Students may enter a class at any time during the year depending upon availability. For information or to request a current schedule of classes, please call (818) 240-1000, ext. 5678 during business hours.

Workforce Investment Opportunity Act (WIOA)

The WIOA staff collaborates with the local Work Source (or One-Stop) Centers to arrange for training programs including certificates in Accounting, Medical/Dental Front Office, General Office Clerk, and Introduction to Hospitality and Tourism. Students must meet federal standards regarding unemployment status and they must be assessed prior to receiving a voucher for training. For more information, please call (818) 240-1000, ext. 5803.

Citizenship

The Garfield Campus offers English as a Second Language Citizenship classes for those who want to learn more about the history and government of the USA and prepare for their oral interview. The Citizenship Center is located at the Garfield Campus and offers information regarding citizenship eligibility, application procedures and deadlines; legal referrals; INS forms needed for naturalization; photographs for INS application or passport; typing and preparation of the INS 400 form; and assistance in preparing for the exam. For more information, please call (818) 240-1000, ext. 5717.

English as a Second Language

The Noncredit English as a Second Language (ESL) program offers literacy through advanced courses. Classes are held at the Garfield Campus, Verdugo campus, and in various locations throughout Glendale. They are designed to meet the various needs of the student population. Courses are open-entry/open-exit and are **tuition-free**. In addition to the regular program, special offerings include:

- First Language Support classes in Literacy for Hispanic and Armenian students
- First Language Support classes for Hispanic students, Levels 1, 2, and 3
- Citizenship
- English for Older Adults
- College Readiness ESL
- Conversation

For more information, please call (818) 240-1000, ext. 5033.

COOPERATIVE WORK EXPERIENCE EDUCATION

Cooperative Work Experience Education (CWEE) combines on-the-job experience with classroom instruction. It is designed to expand skills and knowledge and to improve self-understanding by integrating classroom study with planned supervised work experience. CWEE is based on the principle that well educated individuals develop most effectively by incorporating related education and work experience. These structured experiences in business, industry, government, and human services bring an enrichment to college studies which enhances the student's total development. It is called CWEE because the education objectives are carefully planned and coordinated with the student's employer to provide realistic employment experience.

The objectives are:

1. Provide opportunity for students to secure employment on a part-time or full-time basis.
2. Gain realistic work experience that is meaningfully related to the student's college study program.
3. Provide opportunity to acquire knowledge, skills, and attitudes essential for successful employment.

Student Benefits of Cooperative Work Experience Education

1. Learn or improve job skills under actual working conditions.
2. Gain perspective on career goals through application of classroom theory to "real life experience."
3. Build self-identity and confidence as a worker through individual attention given by instructor/coordinator and employers.
4. Opportunity to test personal abilities in work environments.
5. Have a more realistic approach to the job market.
6. Gain a better understanding of human relations.
7. Refer to work experience education on future job applications.

DISTANCE EDUCATION

Glendale Community College offers a variety of Distance Education courses to meet your needs including 100% Asynchronous Online courses, Synchronous* (Remote) Online courses, Hybrid courses, Hyflex courses, and Proctored Online Courses (POC). Distance Education courses use features of the Learning Management System (LMS), Canvas, such as Course Documents, Discussion Boards, Virtual Classrooms, Groups, Integrated Apps, External Links, Grade Books, and Asynchronous and/or Synchronous learning. Internet and other technologies are used in learning exercises every week to ensure regular and substantive interaction between instructor and student, student and student, and student and instructional material. Distance Education courses are equivalent to in-person

courses. Courses are taught by the same qualified instructors and follow the same curriculum and standards as in-person based courses. It is recommended that students be comfortable with computers, particularly the Internet, and that they apply to the GCC Library to borrow personal hotspots if necessary to ensure reliable WiFi if necessary, before taking Distance Education courses. Make sure to read the course Ticket Note before choosing to enroll.

*Synchronous refers to a technology-mediated learning environment in which students and instructor take part at the same time although geographically separated. Asynchronous refers to a learning environment in which students and instructor do not take part at the same time. Synchronous classes have also been termed "Remote" in class schedules.

For more information on GCC Distance Education, go to www.glendale.edu/online and click on GET STARTED. For Canvas Technical Support, go to www.glendale.edu/online and click on STUDENT TECH SUPPORT.

Distance Education offers five types of courses

Asynchronous Online Courses: An Asynchronous Online course is offered fully online. Students cannot be required to meet in person for, orientations, homework, exams, distribution of resource materials, office hours, or any other course component. (Office hours are always offered synchronously, whatever the Distance Education modality but students are not required to attend). All course instructions, materials, assignments, and discussions are posted and completed online through the district's Learning Management System, Canvas.

Synchronous Online Courses: Synchronous Online classes ("Remote") meet at designated times during the week through a teleconferencing medium such as Zoom. Students attend all scheduled classes as they would if the class were hosted in-person on a campus. Students are expected to be present during class sessions.

Hybrid Courses: A Hybrid course is offered in a split format: A portion of the course is offered Synchronously, either in-person on a campus or through a teleconferencing medium such as Zoom. The other portion of the course is offered Asynchronously online, with online content and/or activities. The ratio of Synchronous to Asynchronous instruction is determined by the Division. Hybrid courses may involve an in-person/Zoom orientation and in-class/Zoom exams. Ticket notes and syllabi will state these expectations clearly. Please check ticket notes before enrolling. Students are expected to be present for in-person/Zoom sessions.

HyFlex Courses: A HyFlex course is offered on campus and simultaneously through Zoom, in specially equipped rooms that allow the instructor to teach a portion of the students in-person during regularly scheduled class times, while the remaining portion of the enrolled students attends "remote-synchronously" during the regularly scheduled class times via the LMS and the Internet. In some HyFlex classes, the two sets of students exchange situations regularly over the course of a semester. In other HyFlex designs, students who attend in-person do so throughout the semester, and students who attend Online do so throughout the semester. Students are expected to be present for all in-person/Zoom sessions. Please see the course ticket note for details.

Proctored Online Courses (POC): Assignments and examinations in a Proctored Online Course will be submitted in an asynchronous manner, but students will be required to take tests at a proctoring facility or through the use of proctoring software. If you are required to take proctored examinations in-person on campus, your instructor will provide proctoring at GCC. Off-site proctoring services could be available at the discretion of the instructor. Ticket notes and syllabi will clearly state these expectations in advance. Use of cameras may be required. Please check ticket notes before enrolling.

Drop Policy: Once enrolled in an Asynchronous online course, students must retrieve and read the Welcome Letter emailed to their GCC student email account 2-5 days prior to the beginning of the term. This Welcome Letter will explain the policies and procedures of the course and how to complete the Check-In Assignment by the first Thursday night of a 4-8 week course, or by Sunday night at the end of the first week of instruction in a 10-16 week course to establish attendance and avoid being dropped.

Attendance & Participation Policy: Students cannot miss more than two weeks' worth of class (Synchronous, HyFlex, POC) or of assignments (Asynchronous class) OR one week's worth of assignments and one week's worth of live lecture (hybrid class). The course Syllabus should define what constitutes two weeks' worth (Asynchronous) or one week's worth (hybrid) of online assignments required to avoid being dropped. In Asynchronous classes, Attendance or Participation is never measured by 'logging-in' or time spent in Canvas; it is measured by submission of assigned work. It is important that online and hybrid instructors be very clear in their Syllabus and Welcome Letters about what constitutes attendance and participation.

Any portion of a course provided through distance education must be consistent with guidelines issued by the Chancellor's Office, pursuant to section 409 of the Procedures and Standing Orders of the Board of Governors

GLENDALE COLLEGE POLICE DEPARTMENT

The Glendale College Police Department is open 365 days a year. To report a crime or suspicious activity please call (818) 551-5205 or stop by in person to the Sierra Madre building, SM 153. For emergencies you may dial extension 4000 from a college phone or call (818) 551-4911 from a cell or telephone. The department is an authorized terminal user of all local, regional, state and federal criminal justice information systems (e.g., wanted persons, DMV, stolen vehicles/property, criminal records, etc.). Our goal is to provide timely and appropriate responses to community problems and needs. Police Officers of the GCC Police Department are armed, duly sworn peace officers of the State of California. Empowered by section 830.32 of the California Penal Code, officers possess the same authority, and adhere to the same state-mandated standards, as municipal police officers. Therefore, under California law, the officers authority extends to any place in the state for the purpose of performing their primary duty or when making an arrest pursuant to section 836 of the California Penal Code; however, efforts are concentrated on the college and its immediate environment. Our department

enjoys a positive and close working relationship with the City of Glendale Police Department, with whom we share proximity, mutual interests, and geographic jurisdiction. GCCPD officers may work in uniform or plain-clothes. They provide a full range of police related services, including: primary emergency response; preventative patrol; initial investigation of observed, reported, or suspected crime; enforcement of all applicable laws; follow-up and specialized criminal investigation; crime prevention; community liaison and relations; V.I.P./dignitary protection; special event security; traffic activities (enforcement and accident investigation); parking enforcement and, campus escorts of students, faculty or staff.

Persons arrested by the GCCPD officers are processed in accordance with prevailing practices in Los Angeles County, which can include: citation and release; booking into the City of Glendale Police Jail; filing of charges with, and prosecution through, the District Attorney's Office; and formal trial. Additionally, GCC affiliates (student, faculty, staff) may be subject to additional (Administrative/Code of Conduct) sanctions.

REPORTING A CRIME

Walking-In

You can report a crime at the police station 365 days a year. The police station is located in the Sierra Madre building, SM 153.

Emergency Call Boxes

Emergency Call Boxes (ECBs) are located in, or adjacent to, most campus parking lots. They are connected to the Police Department Communications Center by phone line, and each one emits an identifier code that alerts the Police Dispatcher of the location of the box being activated. It is important for campus community members to learn the locations of ECBs, especially those located along frequently traveled campus routes (maps are available at the station). To use the system:

1. Follow the instructions on the box.
2. When the button is pushed and the ECB is activated it immediately alerts the Police Dispatcher by phone. Speak clearly into the box.
3. If, for any reason, you are unable to talk into the ECB, you can summon assistance by pushing the button and waiting next to the ECB. An officer is dispatched to the ECB each time it is activated.

Incident Reporting

The College endorses a reporting policy that strongly encourages victims to report all criminal incidents to the police immediately, regardless of their nature. It is important that all criminal activity occurring on campus be reported to ensure that appropriate action can be taken. On-campus crime should be reported to the GCCPD. Emergencies are best reported using campus emergency extension 4000, and non-emergencies are better reported using campus extension 5205.

The GCCPD has the primary jurisdiction and responsibility for investigating crime and providing police service to the campus. The GCCPD relinquish primary authority to the City of Glendale Police Department for providing operational responsibility for all Part 1 violent crime including the investigation of willful homicide, forcible rape, robbery and aggravated assault occurring on GCC District property.

Informational Disclosures

The preceding information has been disclosed in accordance with the Jeanne Clery Disclosure of Campus Security Policy and Campus Crime Act. All information disclosed has been reported using the Uniform Crime Reporting procedures as set forth by the FBI and the California Department of Justice. Additional information including data regarding criminal activity that has occurred on our campuses and the public property adjacent to our campuses over a 3-year period is available at www.glendale.edu/police. You can also view the current Security Report at www.glendale.edu/cleryact.

GLENDALE COLLEGE FOUNDATION, INC.

Created in 1983 by a group of committed community volunteers, Glendale College Foundation, Inc. now has an endowment of more than \$20 million. That small group of volunteers has expanded into an active 35-member Board of Directors that provides guidance, support and direction every step of the way.

To accomplish its broad mission of supporting Glendale Community College, the Foundation focuses on three main goals that:

- Raise funds for GCC facilities and programs
- Create public awareness of the needs of the college
- Promote the college to businesses and the community.

Glendale College Foundation, a 501(c)(3) charitable organization and an integral part of GCC, distributes more than \$1 million in scholarships and special grants annually. The Foundation needs the support of donors like you to continue its work into the future. Every gift, no matter the amount, is greatly appreciated. You can donate in the form of cash, stocks or credit card payments. Payroll deduction is also available as well as secure online payments at www.glendale.edu/donation.

For more information on these and other options, please stop by our office or visit our website at: www.glendale.edu/foundation or call (818) 551-5199.

H.S.E. TESTING

The High School Equivalent tests (HSE) can give you the opportunity to earn a high school equivalency certificate and may reduce considerably the number of elective courses required for a high school diploma. The HSE tests five areas: Writing Skills, Social Studies, Science, Literature and Mathematics. The HSE Test is given at the Garfield Campus, 1122 E. Garfield Avenue, Glendale. For test dates and registration information, please call (818) 240-1000, ext. 5042. For information regarding free optional preparation courses offered at the Garfield Campus call (818) 240-1000, ext. 5686.

INTERNATIONAL STUDENTS

Glendale Community College welcomes students from all nationalities who desire to study in the United States on the F-1 Student Visa category. The College has traditionally ranked in the top-40 nationwide of community colleges enrolling international students.

The International Student Office provides full support services for its students, which include: admissions and enrollment information; academic counseling and immigration advising; a new student orientation each semester; special student programming activities, along with providing information on off-campus housing and "homestay" host family placements and administering a mandatory group health insurance plan for all International students.

International students who seek admission to GCC may receive application forms and information from the International Student Office located in the Sierra Vista Building, third floor. Prospective students are encouraged to contact the office by Phone: (818) 240-1000, ext. 6645; by E-mail: gcciso@glendale.edu; or the GCC website: www.glendale.edu/international

International Student Office hours are Monday through Thursday 8:30 a.m. to 5:30 p.m., and Friday 8:30 a.m. to 4:30 p.m.

In order to be admitted to GCC, International students must submit the following application forms and supporting documents:

- International Student Application Form and Application Processing Fee (\$60.00 USD).
- Official transcripts and diploma of High School completion, along with any college/university coursework completed. Certified English translations are required.
- Proof of English proficiency, such as TOEFL, IELTS or Duolingo results, or results from a recognized Language School program (refer to Application Requirements from our International Students web pages for details).
- Affidavit of Support Form and Bank Statement; refer to web pages for total costs required.
- One-page personal essay on academic and career goals.
- Passport picture name page.

Note: International students under 18 years of age must show High School or Secondary School equivalency of completion (as defined by country system attended) by the time they report and register for semester classes.

It is strongly recommended that all applicants, especially those applying directly from overseas, complete the above admission requirements by the recommended deadlines listed on the International Students web pages, to ensure timely visa processing and registration for full-time study.

The College offers admission to international students for the Fall and Spring semesters, along with short-term Winter and Summer sessions for those students transferring inside the country on valid immigration documents.

MYGCC.GLENDALE.EDU

MyGCC is a private website available to GCC students after they have applied for admission and have received a student ID number. Log on to MyGCC from home, or from any computer with an Internet connection. Go to MyGCC.glendale.edu 24/7. Enter your Student ID and Password, and access a wide range of information, most of it personalized.

Students are responsible for activating their college issued email address and monitoring their MyGCC student portal. All official correspondence from the college will be sent to your college issued email address.

MyGCC provides students with their current and previous class schedules, registration information, student e-mail, financial aid information, and course history, including grades. Students can also change their mailing address through MyGCC. Through links, students can also connect to many GCC resources such as registration, class schedules, library workshops, scholarships, and more.

Click the links to plan your schedule, enroll in classes, make a payment, and see appointment details.

1. Log in - Online
2. Plan - Search for classes, validate prerequisites, organize schedule prior to registration.
3. Enroll - Click the Enroll button to confirm classes in your shopping cart. Click Finish Enrolling, review your new class schedule.
4. Pay - Click on make a payment to view outstanding charges.

SCHOLARS PROGRAM

www.glendale.edu/scholars

The Glendale Community College Scholars Program is the College's honors program. Scholars is actually three programs in one: an academic program with 15 units of Honors general-education and pre-major courses that students plan with the Scholars counselors; an active community-service organization; and a vibrant social club. Good standing in the program is maintained through high academic performance and dedicated, active participation in Scholars meetings and events each semester.

In addition to academic preparation, the program seeks to build students' character and focus on the greater good, which intends to prepare them to become valued professionals, leaders, and citizens in their subsequent careers and lives. Along the way, Scholars develop bonds with fellow students, gain experiences in presenting and sharing ideas in meetings and at research conferences, and continually learn values and skills of compassion, communication, cooperation, and collaboration with others, rather than solely pursuing individual goals.

Active Scholars in good standing benefit from priority registration, specialized counseling, and smaller class sizes. Scholars students who successfully complete the Scholars Program in good standing benefit from enhanced admissions consideration for applications to colleges and universities nationwide. Scholars Program applications are open for Fall (by June 1) and Spring (by November 15). Eligibility and acceptance are evaluated by these factors:

- High-school (and college, if any) transcripts with a minimum of 3.25 GPA for high school and 3.0 for college courses taken;
- Instructor Grade reports of all courses in progress;
- The GCC Assessment self-report for readiness for ENGL 101H;
- The Scholars Program application, including the application essay and application interview to show readiness for the academic and deep participation aspects of the program.

For more information about The Scholars Program, visit our website at www.glendale.edu/scholars. The Scholars Program Director, Dr. Michael Harnett, and the Scholars Administrative Assistant, Ms. Isman Salas, may be reached at scholars@glendale.edu.

STUDY ABROAD PROGRAMS

Glendale Community College believes it is essential for students today to cultivate an informed and sensitive awareness of all parts of the world in order to better co-exist with other nations and with people from cultures different from their own. In harmony with this belief, the college is following the guidelines developed by the Council on International Educational Exchange for the U.S. Department of State, which focus on expansion of student opportunities for study and work abroad as well as the guidelines of the California colleges for International Education, a consortium of California community colleges.

The college offers summer, winter, and spring programs to exciting places like Paris, Prague, Armenia, New Zealand, Australia, Argentina, Italy, Greece, Ireland, and other places of special interest to Glendale College students. Interested students should phone (818) 240-1000, ext. 5718 or drop by the John A. Davitt Administration Building, AD 145C. You can also read about our offerings on our web page at www.glendale.edu/studyabroad or email us at studyabroad@glendale.edu.

TRANSFER CREDIT

The College recognizes that students may have previous academic experience from other institutions that are comparable to our courses. The College reserves the decision to evaluate and award credit value for courses from other institutions of higher education.

Institutional Accredited Colleges/Universities

Students who wish to have college credit transferred from other Institutional accredited colleges and universities need to have official transcripts mailed directly from the originating institution to the Office of Admissions & Records at GCC. **Glendale Community College will award students with degrees and certificates using external courses completed at institutionally accredited college/universities. However, students are advised that the course(s) that GCC uses towards the awarding of a degree or certificate may not be accepted at the transfer institution. Students are responsible for consulting their transfer institution on the acceptance of institutionally accredited courses. Only courses from formerly regional accrediting agencies can be used toward Cal-GETC certification.**

It is the function of the Admissions & Records Office at GCC to verify the official status of all incoming transcripts prior to the evaluation and posting of transfer credit. All transcripts submitted to GCC for evaluation become the property of GCC.

Unofficial transcripts or copies of transcripts carried by individuals may be used for academic advising or counseling purposes only; transfer credits will NOT be posted to the GCC academic record from transcripts that are not received directly from the issuing institution.

Transfer of Credit

The student must have previously completed courses or be currently enrolled at GCC in order for incoming transcripts to be evaluated. All credit units accepted will be recorded on the GCC transcript. Once transfer credit is posted to a student transcript, it cannot be removed. A student must complete a Transcript Evaluation form with their academic counselor if courses are to be evaluated for GCC graduation, a certificate, and Cal-GETC certification. An evaluation may take 8 to 12 weeks to complete. Evaluations may take longer during peak periods. When requesting a transcript evaluation from out-of-state and private institutions, all courses to be evaluated must include course descriptions from the time that they were completed. All math and English courses require a course syllabus as well.

Acceptable Credit

Only lower-division degree-applicable credit will be accepted; classes must be college level rather than remedial or developmental. An upper-division course may only be accepted as subject credit for an associate degree. All courses to be used for an associate degree, certificate, and Cal-GETC certification must be completed with a grade of "C" or better. All questions related to acceptable credit will be forwarded to the appropriate academic department. All courses to be used for Cal-GETC certification will follow the rules outlined in the Cal-GETC Standards..

Institutions Outside the United States

College credit transferred from outside the United States will need to be evaluated by an independent international credentials evaluation agency. A list of these agencies is available through the Admissions & Records Office and the International Student Center. An official copy of the evaluation must be sent to the College by the agency. It is mandatory to include the breakdown of upper/lower division coursework, the semester unit equivalency, and the grade (A-F or Pass/No Pass). No course taken outside of the United States can be used for English Composition, Oral Communication, or the American Institutions requirements. Courses can only be used for the GCC AA or AS degree; not for Cal-GETC certification.

TRANSFERS TO FOUR-YEAR COLLEGES AND UNIVERSITIES

Students may take courses at Glendale Community College which will qualify them to transfer to most four-year colleges and universities with junior standing. The requirements of colleges vary so it is not possible to prescribe a program of work which will apply to all of them. However, written agreements for both general education and major requirements have been established with many of the four-year colleges and universities in California.

Students should consult their counselor to develop a plan to achieve their goal of transferring. Students can utilize the Glendale Community College Transfer Center website at www.glendale.edu/transfcenter to obtain information regarding the different pathways to transfer to a four-year university from Glendale Community College.

[glendale.edu/transfcenter](http://www.glendale.edu/transfcenter) to obtain information regarding the different pathways to transfer to a four-year university from Glendale Community College.

Student Right-to-Know Act

In accordance with the Federal Student Right-to-Know Act, the college is required to make information about the completion and transfer rates of first-time freshmen available to current and prospective students. For current completion and transfer rates, contact the Research & Planning office in the John A. Davitt Administration Building, AD 151.

VETERAN EDUCATION

Glendale Community College is approved as a degree-granting institution for the attendance of veterans and veteran's dependents entitled to educational assistance. After filing an application for admission, a veteran wishing to attend on one of the V.A. assistance bills should complete all necessary forms with the college Veterans Certifying Official located in the Tongva Building Annex, TV-A. The Certifying Official can be reached by calling (818) 240-1000, ext. 3360 or 5204 or by emailing gccvrc@glendale.edu.

An Intent-To-Register form must be submitted to the Veterans Certifying Official for **each semester** that they wish to receive the Montgomery GI Bill® or Post 9-11 (Chapter 33) benefits.

It is the veteran's responsibility to promptly notify the college Veterans Certifying Official of any change in program, which would affect their VA assistance. The College Veterans Certifying Official will forward all appropriate documents concerning the application to the VA processing center located in Muskogee, Oklahoma.

Veterans who are taking a course which lasts less than a semester will be paid only for the actual enrollment period.

The educational assistance allowance payable to Veterans is:

Full time	—12 units or more
3/4 time	—9-11½ units
1/2 time	—6-8½ units
1/4 time	—3-5½ units

Veterans must select an approved program of study, and will only be paid for courses taken from the student education plan (SEP). Veterans must see the Veteran's counselor in the Veterans Resource Center office to develop a student education plan (SEP). An appointment can be made by calling (818) 240-1000, ext. 3360 or by emailing gccvrc@glendale.edu.

Veterans can also visit the Veteran Resource Center located in the Tongva Building Annex, TV-A. The Veteran Resource Center is an informational center that can assist with any questions regarding Veterans educational benefits at GCC, as well as a great opportunity to meet with other Veterans and talk about their goals. Veterans can also join the Veteran's Association Club. For more information, visit www.glendale.edu/veterans.

Note: GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs (VA). More information about education benefits offered by VA is available at the official U.S. government Web site at <https://www.benefits.va.gov/gibill>.

SELECT GLENDALE COMMUNITY COLLEGE POLICIES

(To access all Board Policies and Administrative Regulations go to www.glendale.edu/boardpoliciesandadministrativeregulations)

ACADEMIC FREEDOM POLICY

The Board of Trustees of Glendale Community College affirms that institutions of higher education are conducted for the common good and not to further the interest of either the individual faculty member or the institution as a whole. The common good depends upon the free search for truth and its exposition.

Academic freedom is essential to these purposes and applies to all disciplines. Freedom in research is fundamental to the advancement of truth. Academic freedom in all disciplines is fundamental for the protection of the rights of the faculty and the student. It carries with it duties correlative with rights, regardless of employment status.

Academic freedom is essential for the maintenance of excellence in education, and moreover, exists so that society may have benefits of objective and independent criticism, and honest answers to scientific, social and artistic questions that might otherwise be withheld for fear of offending an influential social group or transient social attitude. Accordingly, there shall be no adverse consequences to employment status (hiring, promotion, and retention) as a result of expressions protected by academic freedom.

Academic Freedom

Faculty members are entitled to full freedom in research and in the publication of the results, subject to the adequate performance of their other academic duties; but research for pecuniary return should be based upon an understanding with the authorities of the institution.

Faculty are entitled to freedom in discussing their subject, but they should be careful not to introduce into their teaching controversial matter which has no relation to their subject. When they communicate as individuals, they should be free from institutional censorship or discipline, but their special position in the community imposes special obligations. As scholars and educational officers, they should remember that the public may judge their profession and their institution by their utterances. Hence they should at all times strive to be accurate, should exercise appropriate restraint, should show respect for the opinions of others, and should make every effort to indicate that they are not speaking for the institution.

Faculty are entitled to due process, where applicable under the provision of the Guild contract, and where applicable under the Employee Complaints procedure as conducted under the provisions of Board Policy 7216.

Academic Responsibility

Membership in the academic community imposes on students, faculty members, and administrators an obligation to respect the dignity of others, to acknowledge their right to express differing opinions, and to foster and defend intellectual honesty, in instruction and counseling, and expression on and off campus. In addition, faculty are responsible for but

not limited to policies and procedures defined in board policy, administrative regulations, and the employment contract between the District and the Guild. Students are entitled to an atmosphere conducive to learning and to even-handed treatment in all aspects of the faculty-students relationship. (BP 4030)

POLICY ON ACADEMIC HONESTY

College study is the process of acquainting students with values and procedures central to scholarship. All students are expected to do their own work. All forms of cheating and plagiarism are absolutely forbidden. This is the official policy of Glendale Community College.

The term "student" is defined as a person currently enrolled in GCC college credit and/or non-credit courses, a person who has filed an application for admission to the college, or a former student.

Student violations of academic honesty include, but are not limited to, the behaviors listed below:

1. The student takes copies or provides questions or answers from or to another student or source or uses unauthorized materials for any test or assignment.
2. The student turns in an assignment (labs, art projects, homework, prewritten or purchased papers, or work downloaded from the Internet) which is not his/her own.
3. The student uses words or ideas which are not his/her own without acknowledgment of the source (plagiarism).
4. The student knowingly deceives an instructor with the intent to improve his/her standing in class.
5. The student submits the same paper or project previously submitted in another class without the permission of the current instructor.
6. The student depends upon tools or assistance prohibited by the instructor in writing papers, preparing reports, solving problems, or carrying out other assignments.
7. The student acquires, without permission, tests or other academic materials belonging to a member of the GCC faculty or staff.

When a student engages in academic dishonesty, faculty have the options of requiring the student to see a college counselor, and/or assigning a lower grade, including F or 0 on the assignment in question.

Violations of this policy will be reported to the Vice President of Instructional Services and will become part of the Glendale College Cheating Incident File, unless the instructor finds compelling reasons not to report a violation. The Vice President of Instructional Services may then impose sanctions authorized by Administrative Regulation 5520. The sanctions include, but are not limited to, issuing a reprimand, suspending the student, and/or recommending permanent expulsion.

The student has the right of due process for all the above sanctions.

ALCOHOL/DRUG ABUSE NOTIFICATION

The college is committed to achieving and maintaining a campus community that fosters personal and institutional excellence and strives to provide conditions under which the work of the college can proceed freely, with the highest standards of quality and institutional integrity. The harmful effects of substance abuse diminish the quality of our campus life.

To assist in achieving a campus free from the problems of substance abuse, the college has adopted policies prohibiting the unlawful manufacture, sale, distribution, possession, or use of controlled substances and alcohol on all college properties or at official functions, both on or off-campus. Any member or group of the campus community violating these policies and regulations will be subject to disciplinary action.

Prohibitions, Sanctions and Penalties

Community College District Administrative Regulation 5500 prohibits the:

Use, possession, or distribution of narcotics, other legally controlled substances, or alcoholic beverages except as expressly permitted by law and Glendale Community College regulations.

Presence on campus or at a college-sponsored function while under the influence of narcotics, other legally controlled substances, or alcoholic beverages except as expressly permitted by law and Glendale Community College regulations.

A violation of the provisions of this policy, and/or relevant local, state, or federal law which prohibits the use, possession or sale of alcohol or other controlled substances may result in the imposition of specific sanctions as identified within the Standards of Student Conduct (Administrative Regulation 5420). These sanctions or penalties include a verbal warning, a written reprimand, disciplinary probation, summary suspension, disciplinary suspension or expulsion.

Legal Sanctions

Numerous Federal, State and local statutes and ordinances, which may change over time, relate to the manufacture, distribution, possession, or use of a controlled substance or alcohol and impose legal sanctions for both felony and misdemeanor convictions for violations. Drugs considered to be controlled substances are listed in Schedules I through V of the Controlled Substances Act (29 U.S.C. 812) and are further defined by Regulations 21 CFR 1308.11 through 1308.15.

Drug-related penalties include the following:

- Simple possession of controlled substances: civil fines up to \$10,000 per violation, jail sentence, and denial of Federal benefits
- Manufacture, sale or distribution of all scheduled drugs: prison sentence for a FELONY
- Distribution or possession with the intent to distribute a controlled substance on college property: up to TWICE the prescribed sentence for the original offense and TWICE the prescribed parole time (required)

- Possession of one or more ounce(s) of marijuana for personal use: fine or jail time for a misdemeanor
- Possession of less than one ounce of marijuana: fine of up to \$100
- Cultivation, possession for sale, or sale of marijuana: FELONY

In addition, it is a misdemeanor to sell, furnish, give, or cause to be sold, furnished or given away, any alcoholic beverage to a person under 21 or any obviously intoxicated person, and no one under 21 may purchase alcoholic beverages. It is also unlawful for any person under 21 to possess alcoholic beverages on any street or highway, or in any place open to the public.

Health Risks Associated with Alcohol and Drug Abuse

The abuse of alcohol and drugs can produce intoxication and physical symptoms such as hangovers, blackouts, impaired motor function, damage to the liver, stomach, intestine, cardiovascular system, brain and neurological systems, addiction and death. Alcohol and drugs are not only toxic to the body, but may also result in the transmission of infections associated with intravenous drug use such as HIV and hepatitis. Pregnant women risk fetal damage and birth defects including hyperactivity, neurological abnormalities, and development difficulties.

In addition to the above problems, the use of these substances can cause severe family, social and psychological problems, as well as intellectual impairment which may be permanent. Abuse of alcohol and drugs is a major cause of serious and fatal traffic accidents; alcohol-related accidents are the number one cause of deaths for persons aged 15-24. Chemical dependency is a disease that, if not arrested, is fatal.

Educational Program and Assistance—Where to Get Help

A list of "Chemical Dependency and Substance Abuse Referral Resources/Agencies," as well as additional information on chemical dependency and substance abuse is available from the Health Center on the first floor of the San Rafael Building. If you have any questions regarding the college policies and regulations, please contact the Student Activities Office in the Campus Center.

ANIMALS ON CAMPUS

Glendale Community College District is committed to providing its employees, students, and visitors with a healthy environment in which to work and study. No animals are allowed on campus except those animals that are individually trained to provide services to individuals with disabilities.

NON-DISCRIMINATION AND EQUAL OPPORTUNITY POLICY

Glendale Community College District is a multicultural community of people from diverse racial, ethnic, linguistic and class backgrounds, national origins, religious and political beliefs, physical and mental abilities, and sexual orientations. The activities, programs, classes, workshops/lectures, and everyday interactions of this district are enriched by our acceptance of one another, and we strive to learn from each other in an atmosphere of positive engagement and mutual respect.

Implicit in this mutual respect is the right of each of us to live, study, teach, and work free from harassment or denigration on the basis of race, age, religious preference, gender, sexual orientation, color, national origin, or disability. Any violation of this right—verbal or written abuse, threats, harassment, intimidation, or violence against person or property—will be considered a violation of the principles of community that are an integral part of the focus, goals, and mission of the Glendale Community College District.

Glendale Community College District is committed to providing an equal opportunity for admissions, student financing, student support programs and activities, and employment regardless of race, religious creed, color, age, sex, sexual orientation, national origin, ancestry, marital status, medical condition, or disability in accordance with federal, state, and local regulations. This Non-discrimination and Equal Opportunity Policy covers admissions, access, and treatment in district programs and activities, and application for and treatment in district employment.

An individual who feels that he or she has been unlawfully discriminated against should, at the earliest possible time, discuss the matter with the appropriate district compliance officer. The compliance officer will be able to explain the grievance procedure to the student, employee, or other individual and will assist in processing the grievance, should such a step be necessary.

Title IX represents the section of the Civil Rights Act of 1964 which requires equality of opportunity for females in all educational endeavors. Its original application was geared to equal opportunity in physical education and sports; however, the impact of Title IX is spread across all disciplines and all segments of the community colleges. The Title IX Coordinator is the Vice President, of Human Resources, located in the Administration building (AD 143), (818) 240-1000, ext. 5165.

Section 504 is a part of the Rehabilitation Act which requires equality of opportunity and access for handicapped individuals in both employment and educational opportunities. The section 504 is the Program Manager, Center for Students with Disabilities, San Gabriel Building, SG 128 (818) 240-1000, ext. 5488.

Equal Employment Opportunity is a means to ensure that the district complies with the Employment Opportunity Act, Civil Rights Act and the Staff Diversity Plan which require that the district not discriminate on the basis of race, religion, color, age, sex, national origin, ancestry, physical handicap, medical condition, or marital status. The Equal Employment Opportunity Coordinator is the Vice President of Human Resources.

Academic Grievance is a process provided to students who have a grievance regarding the manner in which they have been treated in the academic environment. For academic grievance, please refer to the Scholastic Information and Regulations section of this catalog under Grievance Procedures.

American Disabilities Act is Federal Civil Rights legislation that prohibits discrimination against individuals with disabilities in employment (Title I), public services and transportation (Title II), public accommodations (Title III) and telecommunications (Title IV). The American Disabilities Act Coordinator is the Vice President of Human Resources.

HARASSMENT POLICY

Board Policy 3430

Prohibition of Harassment

All forms of harassment are contrary to basic standards of conduct between individuals. State and federal law and this policy prohibit harassment, and the District will not tolerate harassment. The District is committed to providing an academic and work environment that respects the dignity of individuals and groups. The District shall be free of unlawful harassment, including that which is based on any of the following statuses: race, religious creed, color, national origin, ancestry, immigration status, physical disability, mental disability, medical condition, genetic information, marital status, sex, gender, gender identity, gender expression, age, sexual orientation, or military and veteran status, or because he/she/they is perceived to have one or more of the foregoing characteristics.

The District seeks to foster an environment in which all employees, students, unpaid interns and volunteers feel free to report incidents of harassment without fear of retaliation or reprisal. Therefore, the District also strictly prohibits retaliation against any individual for filing a complaint of harassment or for participating in a harassment investigation. Such conduct is illegal and constitutes a violation of this policy. The District will investigate all allegations of retaliation swiftly and thoroughly. If the District determines that someone has retaliation has occurred, it will take all reasonable steps within its power to stop such conduct. Individuals who engage in retaliatory conduct are subject to disciplinary action, up to and including termination or expulsion.

Any student, employee, unpaid intern or volunteer who believes that he/she/they has/have been harassed or retaliated against in violation of this policy should immediately report such incidents by following the procedures described in AR 3435 Discrimination and Harassment Complaints and Investigations. The District requires supervisors to report all incidents of harassment and retaliation that come to their attention.

This policy applies to all aspects of the academic environment, including but not limited to classroom conditions, grades, academic standing, employment opportunities, scholarships, recommendations, disciplinary actions, and participation in any community college activity. In addition, this policy applies to all terms and conditions of employment, including but not limited to hiring, placement, promotion, disciplinary action, layoff, recall, transfer, leave of absence, training opportunities and compensation. To this end the Superintendent/President shall ensure that the institution undertakes education and training activities to counter discrimination and to prevent, minimize or eliminate any hostile environment that impairs access to equal education opportunity or impacts the terms and conditions of employment.

The Superintendent/President or designee shall establish administrative regulations that define harassment on campus. The Superintendent/President or designee shall further establish regulations for employees, students, and other members of the campus community that provide for the investigation and resolution of complaints regarding harassment and discrimination, and procedures for students to resolve complaints of harassment and discrimination. All participants are protected from retaliatory acts by the District, its employees, students, and agents.

This policy and related written regulations (including the regulation for making complaints) shall be widely published and publicized to administrators, faculty, staff, and students, particularly when they are new to the institution, as required in Education Code 66281.5. Employees who violate the policy and regulations may be subject to disciplinary measures up to and including expulsion.

For more information on Board Policy 3430, please contact the Associate Vice President, Human Resources at (818) 240-1000, ext. 5165, or check online at www.glendale.edu.

NON-SMOKING POLICY ON CAMPUS

It is the policy of the Glendale Community College district to not allow smoking on campus. On April 15, 2013, the Board of Trustees approved a revision of Board Policy 3570 Smoking Policy which states that smoking is not permitted on any district-owned property. This policy pertains to students, faculty, staff, administrators, visitors, and the general public.

In addition, the Campus Executive Committee of Glendale Community College approved a revision of Administrative Regulation 3570 Smoking Policy. Included in this revision are the following:

- Smoking is not allowed on campus or in any GCC-owned or leased facility or in any district-owned or leased vehicles. This includes all district-owned parking lots, whether inside or outside of a vehicle.
- This also applies to electronic cigarettes or other imitation cigarette devices.
- Violations to the policy are subject to a \$100 fine.

The College Police are authorized by the Board of Trustees to enforce this policy and issue citations consistent with California Government Codes 7596-7598.

An information campaign has started at GCC to inform students, staff and the public of this change in policy. Currently, the College Police are educating and enforcing this policy on all District campuses.

Additional sanctions can also be placed through other administrative means such as the Student Code of Conduct or Administrative Regulations as prescribed in campus policies and procedures.

Any person observed littering (such as throwing a cigarette on the ground) can be issued a citation, consistent with California Penal Code 374.4.

This policy does not apply to city-owned land. Information on city restrictions on smoking can be found at the following link: <https://www.glendaleca.gov/government/departments/community-development/neighborhood-services/fresh-air-program>.

Reference: California Ed. Code Sec. 76030-76033(e)

STUDENT DIRECTORY INFORMATION POLICY

Certain categories of student information are considered "open" or directory information. The college policy on the sharing of directory information to outside agencies and individuals (including parents and spouses of enrolled students) is limited to: name, e-mail address; major field of study; dates of attendance; degrees, honors and awards received; and the most recent previous institution attended. A student may request that directory information not be released by signing a request form at the Office of Admissions and Records. The request form must be received by the last day of the second week of instruction for a fall or spring semester or by the last day of the first week of instruction for a winter or summer session. In that case, this information will not be disclosed except with the consent of the student or as otherwise allowed by the Family Educational Rights and Privacy Act of 1974 (FERPA). BP 5040.

STUDENT SERVICES

MISSION AND PHILOSOPHY OF STUDENT SERVICES

The primary mission of all educational institutions is learning. Glendale Community College recognizes that there are many activities and programs outside of the classroom which enhance the learning process. Consequently, numerous student services have been established to help students move toward the attainment of their goals.

Student Services, by contributing to the overall educational process at the college, is committed to serving the special needs of a diverse student population. Thus, the variety and comprehensive nature of student services at the college is intended to support a multitude of concerns for a large and changing student enrollment.

The programs offered by Student Services are designed to assist students in the decision-making process by helping them identify and clarify personal, career, and educational goals. The intent is to help students select options for improving the quality of their lives. Personal, career, and academic choices are not viewed as separate and disconnected entities but as inter-related issues, the combination and interaction of which determine the present and future quality of each individual's life experience.

Student Services is committed to assisting students to attain their educational goals and personal development through a comprehensive program of student services. The major student support programs are:

Enrollment Services—Outreach and recruitment, admissions, orientation, assessment, counseling, advisement, educational planning, registration and record services to assist students in enrolling in the appropriate classes.

Support Services—Counseling services, learning assistance (Learning Center, Math Discover Center), adult re-entry programs, career guidance, job placement, veterans' services, transfer services, disabled student program, health services, and library services to help students develop goals, to plan for achieving desired results, and to support and contribute to student self-realization.

Financial Services—Financial aid, student employment, scholarships, and awards for students who need financial assistance.

Activity Programs—Athletics, student clubs, student government and student activities to broaden the students' involvement in college life.

To assist students in meeting their educational objectives, Student Services is the primary advocate on the students' behalf to provide access for all who wish to attend the college: physical access to facilities on the campus; access to programs and services; and access to the required courses.

Student Services promotes an atmosphere conducive to growth and special programs to eliminate educational, social, cultural, economic, and physical barriers to a person's education.

BOOKSTORE

The college bookstore, located on the first floor of the Student Center uses its proceeds to promote the programs of the Associated Students. Shopping for course materials is convenient and available both in store and online. Now available, Rental and Digital programs! Visit our new website, www.glendalecc.bkstr.com where you will find textbooks, reference books, school supplies, clothing and software products. Shopping made simple. Pay by credit card and pick up your books (reservation) or have your books shipped directly to your home or business.

The bookstore is open 7:30 a.m. to 7:00 p.m. Monday through Thursday and Friday 7:30 a.m. to 1:00 p.m. Closed on Saturday, and Sunday. Please check the schedule for summer/winter hours.

For student purchases the bookstore will accept the following:*

1. Personal checks must be imprinted by the bank with check signer's name and address. You must have a valid state driver's license or state ID of the person signing the check. No passports or green cards will be accepted.
2. ATM/Debit Card
3. Apple Pay, MasterCard, Visa, Discover, or American Express credit cards will be accepted. (Must show ID)

*Please carry your student I.D. or course printout at all times.

GCC CalWORKs PARENTS PROGRAM

www.glendale.edu/calworks

www.glendale.edu/students/parenting-students

The GCC CalWORKs Parents Program is here to support and celebrate parenting students! We are the safe home base for students receiving CalWORKs support from the County, and for all parenting students seeking resources and community. For CalWORKs students, we provide work study, counseling, case management, peer mentoring, laptop and childcare requests, and GAIN document processing. All services and community are provided in person, remotely, by appointment and on a drop-in basis.

GCC CalWORKs supports parenting students who are changing their own lives, two generations at a time and we are creating a Glendale where families find social and economic justice through education. We have committed to identify, discuss, and challenge issues of race, color, ethnicity, and the impacts they have on students, faculty, and staff members, and we purposefully strive to become an anti-racist program.

For more information about CalWORKs, please visit www.glendale.edu/calworks. For more information about services for parenting students, please visit www.glendale.edu/students/parenting-students. To contact the Verdugo CalWORKs office, please call (818) 240-1000, ext. 5508, or visit San Rafael 227. To contact the Garfield noncredit CalWORKs office, please call (818) 240-1000, ext. 5681, or visit the third floor of the Tropic Building at the Garfield Campus.

CAREER CENTER

The GCC Career Center assists students to choose a major or course of study early in their educational experience. Students are facilitated in the career exploration process by the administration of comprehensive standardized inventories, surveys, computerized systems and career tests. Students are assisted in exploring their values, interests, and abilities for application to the world of work.

The staff provides individualized career counseling, workshops, and career exploration classes.

The Career Center offers information in the following areas:

1. Finding a college major.
2. How to do research and use career resources.
3. Career changes and career planning through the lifespan.
4. The decision making process in careers.
5. Choices for further academic training.
6. Balance of work/leisure and school/social.
7. Resume writing and job interviewing.
8. Information interviews to test reality.
9. Certificate or transfer choices.
10. Women in non-traditional jobs; minority concerns.
11. Referral to community and college resources.
12. Provide a format for questioning in a positive, supportive environment.

The Career Center is located in the Sierra Vista Building, third floor. Call (818) 240-1000, ext. 5407 for day and evening hours.

DISABLED STUDENTS PROGRAMS AND SERVICES

Students with verified disabilities or health impairments are eligible for services through the Center for Students with Disabilities. Eligible students include those whose conditions limit one or more of the major life activities and impose educational limitations preventing them from fully benefiting from classes, activities or services offered by the college. These conditions include but are not limited to learning disabilities, speech and hearing impairments, vision loss, emotional or mental illness, orthopedic limitations, neurological and health related impairments.

Qualified students receive disability-related counseling and are assisted in the pursuit of academic, vocational, and personal goals. The professional staff serves as liaison with on-campus resources as well as off-campus agencies and allied health professionals. Support services and specialized instruction are provided to students based on student educational plans and contracts. Services include but are not limited to the following:

Center for Students with Disabilities

Disability Related Counseling	Mobility Orientation
Vocational Counseling	Alternate Media
Priority Registration	Interpreters for the Deaf
Registration Assistance	Note Taking Assistance
Mobility Assistance	Lip Reading Instruction
Special Parking	Job Development

Accommodation Resource Center

Assistive Technologies	Specialized Assessment
Equipment Loan	Specialized Tutoring
Learning Disabilities Program	Examination Proctoring
Learning Strategies Instruction	Learning Style Assessment

Special Classes

Dance 150
Physical Education 130, 131, 132, 134 and 135
Student Development 128, 143, 190, 191, 192, 193

For information regarding office hours, programs or services please call (818) 240-1000, ext. 5905.

DREAM RESOURCE CENTER

The mission of the Dream Resource Center (DRC) is to support an inclusive campus culture and to empower undocumented students, AB 540 students, and Dreamers to achieve academic and personal pursuits and become active members of our communities.

The DRC is a welcoming and safe place for all students but particularly for our undocumented students and their allies. Assistance provided through the DREAM Resource Center include assistance to AB 540 students, Dreamer/DACA students, and all undocumented students.

Assistance provided by the Dream Resource Center includes:

- Academic Counseling
- Assistance with completing the AB 540 Affidavit
- Help with completing the California Dream Act Application (CADAA)
- Scholarships (various types)
- Undocu-Ally trainings for faculty and staff
- Undocumented Student Action Week (USAW) in October of each year
- And much more!

The DREAM Resource Center is housed inside the Multicultural & Community Engagement Center and is located in Sierra Madre 267. Check out the programs, services, workshops, trainings, and resources offered through the Pride Center at www.glendale.edu/dream

CHILD DEVELOPMENT CENTER/ GLENDALE COLLEGE LABORATORY SCHOOL

www.glendale.edu/cdc

Glendale College Laboratory School/Child Development Center is licensed by the state of California through the California Department of Social Services, Community Care Licensing Division -Title 22 and nationally accredited by the National Association for the Education of Young Children (NAEYC). The Child Development Center on the Verdugo campus serves as both a laboratory school for students enrolled in Child Development courses and a demonstration site for professionals interested in best practices in early care and education for children from six months to five

years of age. In addition to being NAEYC accredited, the Child Development Center has served as a Program for Infant Toddler Care (PITC) demonstration site and continues to host early childhood professionals from throughout Southern California interested in learning more about high quality programs for children 0-3 years of age. The Child Development Center is in partnership with Pacific Clinics Head Start and Early Head Start, offering subsidies to eligible families and a variety of services to the children, families and staff of the CDC.

Verdugo Campus

The Child Development Center operates from 7:30 a.m. - 5:30 p.m. five days a week, twelve months a year. This program is open to students, faculty and the community and is supported by parent fees. Some spots in the center are reserved for Head Start/Early Head Start families, families eligible for participation in Head Start are subsidized and may be part time of full time. Three sessions are available: Monday through Friday; Monday, Wednesday, Friday; or Tuesday, Thursday. All sessions are full day only. Children will be admitted into the five-day sessions first, followed by children whose parents wish them to attend only two or three days weekly. The CDC serves infants, toddlers and preschool aged children.

Garfield Campus

The Parent Support Center, at Garfield operates from 8:30 am to 4:30 pm Monday through Friday and is open September - June. The Parent Support Center receives funding from the State of California to provide State Preschool services to eligible children and families. The State Preschool Program is a four-hour program open to income eligible, Glendale Community College students with children 3-4 years of age. This site also participates in the GCC Head Start Partnership, a limited number of Head Start eligible, 3-4-year-old children may be placed at the Parent Support Center for full or part time enrollment.

EXTENDED OPPORTUNITY PROGRAMS AND SERVICES (EOPS)

EOPS serves students who have been affected by economic, language, social and educational barriers. The mission of the program is to facilitate the successful and timely completion of student goals and objectives. Through specialized support services and instruction, EOPS encourages enrollment, retention, certificate completion, graduation and university transfer. As part of its mission, EOPS is committed to student success by promoting communication, critical thinking, information competency, application of knowledge, and personal responsibility. The program offers a variety of services that may include, but are not limited to priority registration, orientation, counseling, instruction, book services and financial assistance. EOPS accepts ONLINE program admission application for fall and spring semester. For more information on EOPS and program admission application go to the EOPS website at www.glendale.edu/eops.

Cooperative Agencies and Resources for Education (CARE)

CARE is a supplemental component of the EOPS program designed to provide educational support services and activities for single parent students who are CalWORKS cash aid recipients. The goal of CARE is to reduce long-term welfare dependency and support the needs of the single parent for economic self-sufficiency. CARE students must be eligible for EOPS services first. CARE accepts program admission application for fall and spring semesters. For more information on CARE and program admission requirements go to the CARE web page www.glendale.edu/care.

EOPS and CARE financial assistance may be available to students who in addition to meeting EOPS/CARE entrance and continued eligibility requirements are also income eligible based on student's remaining financial need as determined by the Financial Aid Office. All EOPS/CARE awards are contingent upon EOPS/CARE funding availability.

FINANCIAL AID

The Financial Aid Office assists students who are enrolled at GCC for the purpose of earning a degree or certificate, or transferring to a four-year college or university and are seeking financial help. Funds are available to cover the cost of enrollment fees, tuition, books, transportation, and living expenses. There are two types of financial aid: grants and self help (such as work study and loans.) Grants are awarded on the basis of financial need and do not require repayment. Loans provide an opportunity to defer educational costs by borrowing now and paying later. (Please refer to the loan information below for more information and ask for a copy of the GCC loan policy in the Financial Aid Office.) Work-study offers students the opportunity to earn a portion of their college expenses through part-time employment during the school year.

The Free Application for Federal Student Aid (FAFSA) is the main application for financial aid. Applying on time is critical. The FAFSA can be completed on-line at www.studentaid.gov and submitted to the federal processor after October 1, but no later than April 1 of the previous Spring semester to receive priority consideration for the Fall semester. Applications submitted after April 1 of the previous Spring semester will still be reviewed for funds, but will be processed later than the applications received by the priority date.

After receiving the FAFSA, the federal processor will mail/email a FAFSA Submission Summary (FSS) to the student for review. If changes are necessary, make the corrections on-line at www.studentaid.gov. If no changes are necessary, keep the FSS for your records. Students are not required to submit the FSS to the Financial Aid Office. Once the Financial Aid Office receives your application directly from the federal processor, you may be asked to submit federal tax transcripts or other documents. It is important that all requested documentation be submitted as soon as possible. Financial Aid awards are made only after a student's

file is complete. New students must complete an admission application and be assigned a Glendale College Student I.D. number before their financial aid application can be reviewed.

Students who are not U.S. citizens or eligible non-citizens may still qualify for state financial aid programs if classified as AB540 and should complete the CA Dream Application at www.dream.csac.ca.gov.

Notifications of required documents are emailed to students and posted to their "To Do List" on MyGCC. Award notices are also sent to the student's GCC email.

Students receiving financial aid must make satisfactory academic progress toward their educational goal. Please refer to the Satisfactory Academic Progress Policy in this catalog for more information.

All application materials and forms are available online at the Financial Aid Office website: www.glendale.edu/financialaid.

TYPES OF FINANCIAL AID

California College Promise Grant (formerly known as the Board of Governors Fee Waiver)

Effective the 2018-2019 award year, the BOG Fee Waiver became the California College Promise Grant (CCPG). This waiver is available to California residents to cover enrollment fees only. Students must demonstrate financial need by completing the Free Application for Federal Student Aid (FAFSA). Students with extenuating circumstances who cannot file a FAFSA, may meet with a financial aid advisor for a paper California College Promise Grant Application.

Effective in Fall 2016, students who are eligible for a California College Promise Grant may lose their eligibility if they fail to sustain a Cumulative GPA (CGPA) of 2.0 or higher and complete more than 50 percent of their coursework. If a student's CGPA falls below 2.0 for two consecutive primary terms (fall or spring), the student is placed on academic probation. If the cumulative number of units completed is not more than 50 percent in two consecutive primary terms, the student is placed on progress probation.

Academic: Maintain a CGPA of 2.0 or higher

Progress: Complete more than 50% of coursework successfully

Any combination of two consecutive primary terms of academic and/or progress probation may result in the loss of the California College Promise Grant.

Cal Grants

The California Student Aid Commission offers grants for students attending a California college. To apply, students must complete the Free Application for Federal Student Aid (FAFSA) by April 2 for the following Fall. Some grants may be available for students who miss the April 2 deadline but file the FAFSA by September 2. Students who have completed fewer than 16 degree applicable units with a letter grade must also have a Cal Grant GPA Verification form completed by their high school or former college (This form is available in the Financial Aid Office).

Student Success Completion Grant

The SSCG grant award provides students with additional financial aid to help offset the total cost of community college attendance, and encourages full time attendance and successful on-time completion.

To be eligible for payment in the fall or winter/spring semester, you must meet all of the criteria detailed below in each semester you expect payment:

- You must be eligible (award & paid) for a Cal Grant B or C payment. Students choosing to take a Leave of Absence for their Cal Grant will not be eligible to receive payment for the SSCG
- To receive \$1,298 in the fall or winter/spring semester, you must be enrolled in 12-14.99 units per semester
- To receive \$4,000 in the fall or winter/spring semester, you must be enrolled in 15+ units per semester
- You must meet Satisfactory Academic Progress (SAP) Standards
- Have unmet need

SSCG is awarded on a funds-available basis. Student who have received the maximum SSCG amount for fall and winter/spring (\$8,000) are not eligible for summer SSCG. Students enrolling for the summer term will be considered for a summer SSCG payment based on their unit total for the year (completed fall and winter/spring units plus enrolled summer units). Students whose summer enrollment brings their annual unit total to 24-29 will receive a summer payment amount that brings their SSCG annual award amount to \$2,596. Students whose summer enrollment brings their annual unit total to 30+ units will receive a summer payment amount that brings their SSCG annual award amount to \$8,000.

Federal Pell Grant Program

Glendale College participates in the Federal Pell Grant Program which provides federal grants of up to a maximum of \$7,395* per year for students, depending upon the family and/or student financial information provided on the FAFSA and the student's enrollment status. Students may receive Pell Grant for up to the equivalent of six years of undergraduate study. Applicants must be US citizens or eligible non-citizens, complete the Free Application for Federal Student Aid (FAFSA), and submit any other required paperwork. All application materials and forms are available online at the Financial Aid Office website: www.glendale.edu/financialaid.

**This situation could change at anytime pending further action by congress.*

FINANCIAL AID PROGRAMS

Type of Aid	Amount	Criteria	Required Forms	Must apply by:
California College Promise Grant (CCPG) (formerly BOG Fee Waiver)	Enrollment Fee (Health Fee, parking discounted with CCPG A)	CA resident Financial need	CCPG Application FAFSA CADAA	Must be processed by GCC by last day of summer term for current year
Federal Pell Grants	Up to maximum of \$7,395*, depending on need and enrollment status	High amount of financial need per FAFSA 6 year limit	FAFSA Other documents required by FAO	Applications processed throughout school year. See FA website for specific aid year application deadlines: "Important Dates"
*This situation could change at any time pending further action by congress.				
SEOG (Supplemental Educational Opportunity Grants)	\$200 per semester	Lowest income Pell recipients Funds limited	FAFSA Other documents required by FAO	Priority date June 1st, for upcoming aid year based on available funds.
Cal Grant A	Received after transfer to 4-year school, \$3,000 with eligible dependents per semester	CA resident Low income GPA criteria	FAFSA/CADAA GPA Verification Form	April 2nd
Cal Grant B	Up to \$824/or \$3,000 with eligible dependents per semester	CA resident Low income 4 year limit GPA criteria	FAFSA/CADAA GPA Verification Form	April 2nd, additional September 2nd deadline only for Community College Enrolled students
Cal Grant C	Up to \$547/or \$2,000 with eligible dependent per semester	CA resident Enrolled in an eligible vocational program	FAFSA/CADAA GPA Verification Form	April 2nd
Federal Work-Study	Up to \$3,000/semester	Low income Financial need by request funds available basis	FAFSA other documents required by FAO	Priority deadline is June 1st for upcoming aid year based on available funds
Federal Direct Subsidized Loan	Up to \$3500 per year for freshman-level students; sophomore-level students eligible for up to \$4500/year	Enrolled at least ½ time. Financial need.	FAFSA Loan Request Form Loan Entrance	Variable: Check with FAO Variable: Check with FAO or FA website for deadlines "Important Dates"
Federal Direct Unsubsidized Loan	Up to \$2000 or \$6000 per year, based on student dependency status	Enrolled at least ½ time.	FAFSA Loan Request Form Loan Entrance	Variable: Check with FAO or FA website for deadlines "Important Dates"
Student Success Completion Grant (SSCG)	\$1,298 - \$4,000/Per Term	Enrolled in at least 12+ or 15+ units funds available basis	FAFSA/CADAA Must be Cal Grant eligible	April 2nd

Federal Supplemental Educational Opportunity Grant (SEOG)

Glendale College participates in the Federal Supplemental Educational Opportunity Grant program which provides federal grants for students who qualify. The average grant at GCC is \$200 per semester. Applicants must meet all federal Title IV financial aid requirements, complete the Free Application for Federal Student Aid (FAFSA), and submit any other required paperwork. All application materials are available in the Financial Aid Office. Funds are very limited, and only a portion of eligible students will receive an award.

Federal Work Study

Students who are interested in the Federal Work-study (FWS) program are required to complete a Free Application for Federal Student Aid (FAFSA) and submit any other required paperwork. If awarded FWS, the student should contact the Job Placement Office to inquire about work opportunities.

Federal Direct Loan Program

The Federal Direct Subsidized Loan is a federally supported loan available to needy students. Eligible Glendale College students may borrow between \$500 and \$4,500 based on need and grade level. Students must be eligible for need-based aid to receive a Direct Subsidized Loan. There is no repayment or interest accrual while a student is enrolled at least half-time. Interest begins to accrue and repayment begins six months after the student is no longer enrolled at least half-time. Combined interest and principal payments begin at a minimum of \$50 per month for a maximum of 10 years. Information on other repayment plans are available at Studentaid.gov/h/manage-loans. The Federal Direct Unsubsidized Loan is also available for students who do not demonstrate financial need or need to borrow more than the subsidized amount. While the terms of the loan are similar to those noted above, interest accrual begins immediately. Students may be eligible for an additional \$2,000-\$6,000 through this program.

To apply for a loan under the Federal Direct Loan Program a student must complete a Free Application for Federal Student Aid (FAFSA), submit all required paperwork, and be awarded. "Loan Entrance Workshops" may be offered in groups, individually or electronically by the Financial Aid Office.

2024-2025 GCC Cost of Attendance

The cost of attendance (COA) at GCC is based on federal guidelines and estimates by the California Student Aid Commission (CSAC). Included in the COA are school expenses such as tuition, fees, books, and supplies; living expenses such as room, board (meals), and transportation; and miscellaneous expenses.

Living with Parent (9 mos):

\$ 1,196 - Fees (per sem.: \$46/unit Enrollment Fee x 13 units*/sem)
 92 - Mandatory Fee (+\$26 Health + \$20 Student Services/sem)
 1,089 - Books, Course Materials, Supplies & Equipment
 11,835 - Living Expenses, Housing & Food
 4,140 - Miscellaneous Expenses
1,818 - Transportation

20,170 - Total

Living Away from Parents (9 mos):

\$ 1,196 - Fees (per sem.: \$46/unit Enrollment Fee x 13 units*/sem)
 92 - Mandatory Fee (+\$26 Health + \$20 Student Services/sem)
 1,089 - Books, Course Materials, Supplies & Equipment
 22,752 - Living Expenses, Housing & Food
 5,067 - Miscellaneous Expenses
1,989 - Transportation

32,185 - Total

*13 units = average number of units for students enrolled full-time during Fall 2013, per GCC Office of Planning and Research.

Fees may change due to state budget decisions. Students who are not California residents may be charged additional out-of-state fees.

FOSTER YOUTH SERVICES

The college provides personalized resources for students who are former Foster Youth through the Counseling and Financial Aid Offices. Services include academic counseling, financial aid advising, and assistance with community resources.

GCC CARES MARKET

The GCC CARES Market was created to understand food insecurity among GCC students, to increase awareness of hunger and poverty issues among the GCC community, and to provide food, hygiene supplies, and poverty alleviation-related information to students in need. The two food pantries are located on the Civic Auditorium and the Garfield campus. Appointments are required. Visit the GCC Cares Market website: www.glendale.edu/foodpantry

HEALTH CENTER

The GCC Health Center is open during most class hours and is located on the first floor of the San Rafael Building.

A Registered Nurse is available for health assessment and first aid on a walk-in basis. The nurse will also discuss personal subjects related to health and family issues, birth control and nutrition. Daily services include blood pressure screenings, low cost Tetanus shots, Tdap and MMR immunizations. No appointment is necessary for these services. TB skin testing occurs on selected dates during the semester and is free to registered students. Physicians, dietetic interns and an MFT Therapist are available for individual appointments. Specific referrals may be provided. All services are confidential (specific legal exceptions exist).

Visit the GCC Health Center's website: www.glendale.edu/healthcenter or call (818) 551-5189.

Medical Emergency and Student Accident Policy

If you have a medical emergency on campus or are a witness to an emergency situation, contact College Police, ext. 4000 or the Health Center, ext. 5189 immediately from any college phone. Nurses are available to triage, or provide first aid. If paramedics need to be called, College Police or Health Center staff can expedite response time.

In the event you are involved in an accident while on campus or at a supervised activity, the accident must be reported immediately to the Health Center. If the accident occurs on campus, the staff of the Health Center will provide first aid. The College Police should be called if the injury occurs when the Health Center is closed. If the accident occurs off campus, it is essential for the accident to be reported to the Health Center staff during working hours as soon as possible. The College does have Student Accident Insurance to assist students with the costs associated with accidents that occur as a result of a student activity, but this policy is a secondary policy. This means that if the student needs to go to the hospital or see a physician, the student must first follow all of the rules of their private insurance. The Student Accident Insurance is designed to assist with additional charges. If the injured individual does not report the accident to the Health Center in a timely manner, there is no guarantee that any of the costs associated with care will be covered.

LEARNING CENTER

Tutoring Services

The Learning Center offers free instructional help to currently enrolled students. Free tutoring is provided in math, writing, and a variety of other subjects. Tutors are excellent students who have been recommended by their instructors and have taken a tutor training seminar. Contact the Learning Center to see how we can help you meet your educational goals.

The Learning Center Workshop Series

The Learning Center offers workshops on a variety of topics. Workshops run 60 minutes and are designed to improve student comprehension of specific topics, such as proofreading or paragraph development. Students register for workshops through MyGCC, at least one hour before a workshop starts. During the online registration, students have the option to inform their instructors of their participation. Workshops provide students with a free and fun way to enhance their academic skills. Ask your instructors if they offer extra credit for your attendance. All workshops are held in AD 232, in the back room of the Learning Center, online via Canvas, or (most often) remotely via Zoom.

Free Online Tutoring

Online Tutoring is available virtually anytime and anywhere for Glendale College students. Immediately connect and interact with a live tutor. Schedule a personal session with a tutor, or submit a question and receive a reply from a tutor. You can also submit a paper for a tutor to review. Simply log onto Canvas, click on the "Free Online Tutoring" link in the global or course menus. Once

you enter the Learning Center's Canvas page, click the link that reads "Start Here." Outside the regular business hours of the Learning Center, which are posted on our Canvas page, choose the "After Hours" tutoring option.

The Learning Center is located in the John A. Davitt Administration Building, AD 232. Phone: (818) 240-1000, ext. 5333. www.glendale.edu/learningcenter

LIBRARY

The Glendale Community College Library is a dynamic and technologically advanced teaching and learning environment. With locations on both the Verdugo and Garfield campuses, the Library supports the educational and professional needs of a diverse and highly motivated population of students, faculty, staff, and community members. Our extensive digital and print collections, as well as in-person and online services and instruction, serve as a vital link to student success. Library faculty are available in the library, by phone, via chat, Zoom web conferencing, and email to assist with research and teach students valuable critical thinking skills, including how to find credible, authoritative, relevant, and timely information resources.

The Library seats 350 people and offers 12 study rooms, 55 computers with internet access, a library instruction lab, and workstations for those with disabilities. Students may borrow a laptop, Chromebook, iPad, or hotspot for free as available to use outside the Library. Printers, copiers, and scanners are also available in the Library.

At the Glendale Community College Library, information competency, or the ability to effectively find, evaluate, use, and communicate information, is central to programming and services as well as the promotion of lifelong learning. Our reference services and instructional programs provide an opportunity for students to build important research skills, including how to locate, evaluate, and use information ethically. Our 3 unit credit course, Library 100: Critical Approaches to Information Research, is transferable to the UCs and CSUs. Our in-person and online library workshops introduce students to the basics of information research and using the library to meet their educational and life goals.

Come say hello! The library is located on the third and fourth floors of the Library Building. Phone: (818) 240-1000, ext. 5586, website: www.glendale.edu/library or email us at library@glendale.edu.

MATH DISCOVERY CENTER

The Math Discovery Center located in the Cimmarusti Science Building, CS 266 offers free drop-in tutoring, computer access, workshops, Self Paced courses and counseling services. Student tutors and/or faculty members are available to answer questions and give explanations about all levels of math. Computers are available for student use providing individual interactive learning software, specific software used in math classes, and internet access to online math resources. No appointment is necessary and students should be enrolled in a math class at GCC to use the MDC. Phone: (818) 240-1000, ext. 5363. For more information, visit www.glendale.edu/MDC.

MULTICULTURAL AND COMMUNITY ENGAGEMENT CENTER

The Multicultural and Community Engagement Center (MCEC) initiates, implements, and sustains civic engagement opportunities that promote diversity, critical thinking, personal responsibility, and communication skills for all students.

This means our programs are designed to create community service and service-learning opportunities that help students explore the above-mentioned topics and to gain skills that can be used in your personal life, as well as, your future careers. Some of the many reasons to be involved in community service/volunteer work:

- Network with people in your future career
- Explore a possible major
- Use the experience for scholarship and transfer applications
- Learn new skills
- Help those in dire need
- Use the experience on a resume
- Receive a certificate of recognition

The MCEC can help you find a place to start your volunteer experience with a database of approximately 200 non-profit organizations, which is updated before the start of each semester. In addition to the database, there are many programs and activities that you can participate in on and off-campus. Remote Virtual Volunteering opportunities are also available. Some of these include:

- SPARK Peer Mentoring Program
- Estudiantes Unidos (a Latinx leadership program)
- 9/11 Day of Service and Remembrance
- President's Volunteer Service Award
- Volunteer Fairs

Many courses on campus also provide community service learning options to students (called Service Learning), which is community service connected to classroom learning and improves students' understanding of the course. The MCEC is located in the Sierra Madre building, SM 267, on the balcony next to the cafeteria. For more details about these programs, check out the website at www.glendale.edu/mcec.

PRIDE CENTER

The Pride Center strives to provide a secure, supportive, and accepting environment for GCC students and staff across all genders and sexual identities including those who identify as non-binary, Lesbian, Gay, Bisexual, Transgender, Queer (LGBTQ+), and their allies. Ultimately, the Pride Center works to create and promote a campus culture of acceptance.

The center is a safe space designed to bring awareness of diverse sexual and gender identities, healthy masculinity, affirmative consent, and upstanding bystandership to prevent violence. We recognize the complexities of intersectionality and encourage the exploration of both privilege and oppression across coexisting identities.

Some of the programs offered by the Pride Center include:

- Safe Zone Training
- Let's Chat Student Discussion Group
- Annual Pride Week activities in May of each year

The Pride Center is housed inside the Multicultural & Community Engagement Center and is located in Sierra Madre 267. Check out the programs, services, workshops, trainings, and resources offered through the Pride Center at www.glendale.edu/pridecenter

RISING SCHOLARS

In addition to the challenges all students face when entering the higher education system, there are additional challenges faced by formerly incarcerated and justice system impacted students.

The Rising Scholars program supports formerly incarcerated and system impacted students attending GCC to be successful in pursuit of their educational goal. Types of support the program offers include:

- Academic – Counseling, tutoring, and navigating GCC and the transfer process
- Financial – Assistance with food and GCC Book vouchers
- Personal – Building community, mental health, student club support

The program also works individually with each student to gauge needs, offer services, and ensure students are on track to achieve their personal, professional, and educational goals, whether that is transferring to a four-year university, completion of a vocational program, completion of a certificate, finding a job, securing housing, assistance with food and more.

Additionally, the Rising Scholars staff is able to assist students with off-campus resources such as correcting/updating criminal records, requesting expungement of records (if possible), and other community resources.

You can find more details about the Rising Scholars program by visiting www.glendale.edu/risingscholars.

STUDENT SUCCESS AND SUPPORT PROGRAM

The Student Success and Support Program is designed to assist students in planning, selecting, and achieving educational goals. The process brings the college and a student into an agreement for the purpose of realizing the student's educational goal through the college's established programs, policies, and requirements. The agreement acknowledges responsibilities of both the college and the student to attain these objectives. The primary purpose of the Student Success and Support Program is enhancing student success.

Listed below are the basic components of the Student Success and Support Program partnership shared between the college and the student.

The college agrees to provide:

- An admissions application process.
- An orientation to the college's programs and services.
- An assessment of the student's study skills, English language proficiency, computational skills, aptitudes, goals, learning skills, career aspirations, academic performance, and need for special services.
- Counseling and advisement to develop an educational plan.
- Follow-up evaluation of each student's progress in achieving an educational goal.

The student agrees to:

- Express an educational goal upon admission.
- Declare a program of study/major before or during the term after which the student completes 15 units.
- Attend class.
- Work diligently to complete course assignments.
- Demonstrate an effort to attain an educational goal.

The college is committed to student success, and with this in mind provides the following services:

Orientation

Orientation workshops are offered throughout the year in academic counseling. The orientation workshop provides students with important information regarding the services programs, and courses available at the college. All new students are required to participate in orientation in order to receive priority registration. Students will learn how to use the college catalog; class schedule, and prepare a class list. For more information, contact academic counseling at (818) 240-1000, ext. 5918. Students can also complete an online orientation by visiting our website at www.glendale.edu/orientation. Click on Start Online Orientation now!

Assessment

Glendale Community College is committed to helping students succeed. The College has adopted placement policies aimed at maximizing each student's likelihood of completing transfer-level Mathematics and English courses within one-year. In many cases, this is best achieved by direct placement into transfer-level math and English, while in others it is best achieved by first taking a course one level below transfer. Placement results assist the students and counselors to determine the appropriate courses for students to enroll in during the first semester.

For more information regarding assessment procedures, contact the Placement and Assessment Center at (818) 240-1000, ext. 5329 or use the website at www.glendale.edu/placement.

Counseling and Educational Planning

One of the most important activities involved in the matriculation process is counseling and educational planning. Professional counselors are available to assist each new student in several areas:

1. Deciding upon an educational objective;
2. Determining the courses required to achieve this objective;
3. Determining the services needed to assist students in achieving their objective;
4. Assisting students in course selection appropriate to their goals.

The Student Educational Plan (S.E.P.)

It is important for all students to have a Student Educational Plan (S.E.P.). The S.E.P. serves as an outline of the preliminary educational program students will undertake. In addition, the S.E.P. identifies the students' goals (i.e. transfer, A.A./A.S. degree, certificate, etc.) and refers them to support services, if needed.

Completion of the student educational plan is required for priority registration. Students should make an appointment with their counselor to begin this process as soon as possible. Any changes in a student's educational objective should be reviewed with a counselor in order to update the student's S.E.P. for accuracy.

Follow-up

Counseling and teaching faculty provide a number of follow-up services to matriculated students. These services are designed to provide information regarding the students' academic progress. Special services are provided to students on academic and/or progress probation, students in basic skills courses, and students who are undecided about their educational goal. Referrals are made to on- and off-campus services when appropriate.

Appeals Procedure

A student has the right to challenge or appeal any step in the matriculation process. A petition for the waiver of a specific Student Success and Support Program service or requirement may be filed for any of the following reasons:

1. *Review of assessment*—Students may challenge a placement decision on the grounds that the placement does not reflect their ability in the area assessed. To challenge a placement decision, a student must see the division chair responsible for the course or their designee (see page 35 for placement policies).
2. *Waiver of prerequisites*—Students may challenge a course prerequisite, corequisite or limitation on enrollment on the grounds that the student has the knowledge or skills to successfully complete the course, that the prerequisite course has not been made reasonably available and will cause undue delay in completion of the student's education goal as detailed in the student educational plan; that the course has not been established in accordance with the district's process for establishing prerequisites and corequisites; or

that the prerequisite is unlawfully discriminatory or is being applied in an unlawfully discriminatory manner. To request a prerequisite waiver, the student must complete the Glendale College Prerequisite Challenge Petition, and submit the document to the division chair responsible for the course. If the petition for a waiver is based upon the student's contention that he/she has the necessary skills to succeed in the class, the student may be asked to submit evidence of this proficiency. The student will be notified, within fifteen (15) working days, of the receipt of the petition. The student may appeal the decision of a division chair to the vice president of instruction.

3. *Complaint of unlawful discrimination*—If a student feels that assessment, orientation, counseling, (or any other student success and support program procedure or service) is being applied in a discriminatory manner, a petition may be filed with the dean of student services. The student will be notified, within five (5) working days of the receipt of the petition, regarding the college's proposed response to the complaint and any additional steps which will be taken.
4. *Waiver of Student Success and Support Program services*—If a student wants to waive a mandated Student Success and Support Program service, such as assessment, orientation, counseling for completion of a student educational plan, and student follow-up services, they must complete and submit a student success and support program waiver petition and return it to Admissions and Records.

Other Counseling Services

In addition to educational planning services, the college counseling staff provides a variety of other counseling services to assist students.

1. *Career Counseling*—The Career Center assists students in determining their academic majors, vocational or career goals. Most students require specific information about certificate, vocational and/or college preparation and career or job requirements. Often students need specialized counseling in seeing how their interests, skills, personal styles and values relate to an academic course of study. Career counseling helps students integrate their aspirations with the work world.
2. *University Transfer Counseling*—The goal of many students at the college is to transfer to a four-year college or university. All counselors at the college prepare to assist students in preparing to transfer. It is important for students to see a counselor on a regular basis to review the requirements for transfer to the institution of their choice. In addition, the college's Transfer Center can assist students in meeting with representatives of many local four-year institutions and can provide them with other important transfer information.
3. *Disabled Student Programs and Services*—Specialized support services and counseling are available through the Center for Students with Disabilities. The Disabled Student Services program offers individual counseling services to students with disabilities. These services are provided to help with

educational planning and to identify specific support services required to assist the student with a disability.

4. *Extended Opportunity Programs and Services (EOPS)*—EOPS office provides specialized counseling and instructional services tailor-made comprehensive student educational plan for certificate, degree and/or transfer completion, enrollment services, financial aid, additional tutoring and university transition. The EOPS staff is prepared to serve students whose primary language is not English.
5. *Financial Aid*—The Financial Aid office provides the student with advising regarding his or her financial circumstances, and will assist the student in obtaining financial support needed to attend the college. Financial aid is available in a number of forms, including grants, loans and work-study programs.
6. *Adult Re-entry Services*—Services for adult students who are returning to formal education after a lapse of time are offered through the Career Center. Services include career and academic counseling and workshops designed to meet the interests and needs of the adult student.

Course Selection and Enrollment

At the time of registration students will be asked to select classes for enrollment. However, prior to enrollment, it will be necessary for them to see a counselor and complete a student education plan; a list of courses they are eligible to take which will lead toward the completion of their educational objective. It is to their advantage to see a counselor as soon as possible prior to the next semester, to work out their class schedule for the next semester.

The process of enrolling in classes is explained in the orientation session. Students access MyGCC Student Center online regarding their date and time for registration, as well as the other requirements for completing this process.

Instruction and Progress Toward Goals

Students' active and diligent participation in their classes is the single-most important factor leading to their eventual academic success. Students are expected to attend all classes and to complete all course assignments in a timely fashion. To assist students in making progress toward their goal the college will provide them with a variety of support services, such as tutoring, other learning assistance activities, financial support (where applicable) and other forms of assistance to increase their educational development. Students are responsible for notifying the college of any specific needs they have, or of any change in their goal.

Periodically students may be contacted by the college for information regarding their progress towards completing their stated goals. This contact may involve a meeting with a counselor, or other staff member of the college, or it may take the form of written communication to the students regarding their progress. In either case, it is up to students to follow up on this communication so that the college may better serve them.

Completion of Student Goals

The college's goal is to assist in achieving the objectives students have for themselves; however, the students must determine when this is accomplished. They are responsible for notifying the college of any change in their goals or status as it relates to the college. The college can provide students with assistance to make changes as easy as possible. Students should feel free to contact any staff member to assist them during a period of transition when they are leaving the college for some other activity or environment.

SCHOLARSHIPS

Any currently enrolled student who has completed at least 12 units of college credit, and has a GPA of 2.5 or higher at GCC may apply for scholarships through their MyGCC account. Selections are made by the GCC Scholarship Committee or award sponsors based on academic achievement, financial need, campus leadership, or other criteria established by the scholarship donors. Interested students may submit a single application online during the fall or spring semesters. For more information, or to apply, go to www.glendale.edu/scholarships, or call the Scholarship Office at (818) 240-1000, ext. 5591.

STUDENT CENTER

The J. Walter Smith Student Center contains offices for the Associated Students of Glendale College (ASGCC), the Office of Student Affairs, and student club offices. Also, there is a conference center with meeting rooms that members of the campus community may reserve for social and business functions. Arrangements for the use of Student Center meeting rooms may be made through the Office of Student Affairs at (818) 240-1000, ext. 5592.

STUDENT EMPLOYMENT SERVICES/ JOB PLACEMENT CENTER

The mission of the Student Employment Services is to provide ongoing, comprehensive assistance to all Glendale College students in obtaining on- and off-campus employment.

Students are advised on application and interview techniques and resume writing. In addition to providing part and full-time job listings, the center sponsors on-campus recruiting by interested businesses who wish to hire students.

The staff assists students in finding off-campus positions related to their disciplines. Off-campus jobs can be accessed through a variety of resources including local posting and online job search sites.

On-campus positions are also available for currently enrolled students. Glendale College participates in several work study programs. (i.e.: Federal Work Study, CalWORKs, Work Study, EOPS Work Study, and College Employment Program.) Visit the Job Placement Center in the Sierra Vista Building, third floor for details.

SUPPLEMENTAL INSTRUCTION (SI)/ COLLABORATIVE LEARNING

Another innovative program that the college offers its students is the Collaborative Learning (SI) workshops that are available each semester with selected courses. These workshops provide students with an enjoyable, structured way to study and/or solve problems collaboratively under the supervision of an instructor or specially trained student leader. Regular workshop participants usually reach a better understanding of course content and tend to pass at a much higher rate and with better grades than non-participants. A list of workshop offerings is available in the current class schedule or through counseling services. The program coordinator is happy to answer questions about this free service and can be reached by email at GCCSI@glendale.edu or call (818) 240-1000, ext. 5357. For more information visit www.glendale.edu/SI.

TRANSFER CENTER

The Transfer Center is designed to assist students with the process of transferring to four-year colleges and universities. We provide counseling, transfer workshops, college tours, host university representatives who advise students, a transfer information website, and maintain a library of college admissions materials. The Transfer Center is especially committed to the goal of increasing the transfer rate of under-represented students to institutions of higher learning. We are located on the third floor of the Sierra Vista Building and can be reached by phone at (818) 240-1000, ext. 5442. For more information, visit www.glendale.edu/transfercenter.

VETERAN'S RESOURCE CENTER

The Veteran's Resource Center is located in the Tongva building Annex, TV-A. The Veteran's Resource Center is an informational center that can assist with any questions regarding Veteran's educational benefits at GCC, as well as a great opportunity to meet with other Veterans and talk about their goals. Veterans can also join the Veteran's Association Club. For more information, www.glendale.edu/veterans. Please see page 16 of this catalog for more information regarding Veteran's educational assistance.



STUDENT AFFAIRS & ORGANIZATIONS

The Office of Student Affairs coordinates a wide variety of activities, programs, and services to help students broaden their educational experiences at Glendale College. The goal of the student activities program is to provide students with opportunities to develop their leadership skills through participation in student government, cultural programs, campus activities, and student clubs and organizations.

ASSOCIATED STUDENTS OF GLENDALE COMMUNITY COLLEGE (ASGCC)

The Associated Students of Glendale Community College (ASGCC) is the official student government organization. Elected each semester, the ASGCC Legislature meets weekly to determine budgetary expenditures, establish and review policies, and coordinate programs and services that benefit students. Legislature meetings are held every Tuesday morning in the ASGCC conference room located in the J. Walter Smith Student Center. For more information, go to www.glendale.edu/as.

ASGCC Membership

Students who pay the student services fee each semester automatically become members of the Associated Students of Glendale Community College. This membership enables students to participate in activities, programs, and services financed by the ASGCC. The student services fee partially finances the annual ASGCC budget that provides financial support to more than 100 campus programs and activities.

Eligibility Requirements for ASGCC Candidates and Officers

All students are encouraged to participate in ASGCC affairs and run for an elected position within the organization. Candidates for an elective office must complete the required nominating petitions and meet the eligibility requirements before their candidacy is approved by the Office of Student Activities. Candidates must be enrolled in at least six units and have a minimum cumulative grade point average of 2.0 to be eligible to run for office. Once a student is elected to office, he or she must carry and complete a minimum of 9 units and maintain a 2.0 grade point average throughout their term to remain eligible.

Student Government Elections

The ASGCC sponsors campus-wide student government elections during the fall and spring semesters. Any currently enrolled GCC student who is a member of the Associated Students may vote in an ASGCC election.

ASGCC Officers

The ASGCC Legislature consists of 21 student leaders who are elected by the student body. Elected officers include the ASGCC President, Vice President of Administration, Vice President of Finance, Vice President of Campus Activities,

Vice President of Campus Relations, and Vice President of Campus Organizations. These five positions make up the ASGCC Executive Committee. The Legislature membership also includes a total of 15 senators including three Senators of Administration, three Senators of Finance, three Senators of Campus Activities, three Senators of Campus Relations, and three Senators of Campus Organizations. There are also five Representative-at-Large members who are appointed by the Legislature.

Student Newspaper

The El Vaquero is the official student newspaper of Glendale Community College. Written and edited by journalism students, the paper focuses on campus news and issues related to students. The El Vaquero is published biweekly and is available to the campus community free of charge. The El Vaquero can be viewed online at www.elvaq.com. For more information, go to: www.glendale.edu/journalism.

ATHLETIC PROGRAM

Glendale Community College offers a comprehensive and competitive intercollegiate athletic program sanctioned by the 3C2A. The Vaqueros are proudly represented in the Western State Conference (WSC) and Southern California Football Association (SCFA). Vaquero Athletics offers 16 sports for both men and women student athletes. Men's sports include baseball, basketball, cross country, football, golf, soccer, tennis, and track and field, while women's sports feature basketball, beach volleyball, cross country, soccer, indoor volleyball, tennis, track and field, and softball.

The athletic programs are guided by experienced coaches, professional experts and supported by a dedicated staff, including certified athletic trainers who ensures the health and safety of all student-athletes. The backbone of the student athlete academic success is at the Center for Academic Success in Athletics (CASA). The CASA hosts a full-time Success Specialist and two academic counselors whom provide support services such as educational planning, enrollment advisement, and career guidance, helping athletes balance their commitment to both academics and competition.

With newly renovated facilities at the Vaquero Athletic Complex, student athletes have access to a state-of-the-art weight room, team rooms and locker room facilities. Glendale Community College continues to provide student-athletes with the tools they need to succeed. State Champions, Southern California Champions, and Conference Champions have been plentiful at GCC and we look forward for more to come.

For more information about Vaquero athletics, including team schedules, rosters, and highlights, please visit www.glendale.edu/athletics.

STUDENT CLUBS AND ORGANIZATIONS

Students are encouraged to participate and play an active role in campus life by joining a student club or organization. Supervised by the Office of Student Affairs, more than 50 clubs and organizations give students an opportunity to explore specialized interests and serve the campus community. These groups are usually organized according to five main themes including academic achievement, cultural awareness, community service, special interests, and religious awareness.

Academic Organizations: Alpha Gamma Sigma (AGS) the Scholars, EOPS Club, SPARK, and VOICES are organizations focused on promoting student access and achievement. These groups also provide valuable service to the college community and raise funds to support scholarships.

Cultural Organizations: These groups provide students with opportunities to learn about other cultures and meet students with similar backgrounds. Cultural organizations have included the Armenian Student Association, Black

Student Alliance, Korean Club, Persian Students Association, GCC Gay Straight Alliance, Hawak Kamay Filipino Club, and the International Students Association.

Special Interest Clubs: Numerous special interest clubs enable students to participate in activities with others who share similar interests. Special interest clubs have included groups such as the Amnesty Club, Culinary Arts Club, Investors Club, Pre-Pharmacy Club, Sociology Club, Environmental Club, and the GCC Theatre Guild.

Religious Clubs: Religious clubs offer students a chance to promote religious awareness and interact with other students with similar beliefs. Active religious clubs have included the Campus Crusade for Christ, Christ in Action, SGI Buddhist Club, Korean Christian Club, and the Christian Fellowship.

Veterans Association Club: This is a new club open to all veterans. Go to www.glendale.edu/veterans for more information.

Additional information about campus activities and student leadership programs is available in the Office of Student Affairs.



ADMISSION AND REGISTRATION

ADMISSION REQUIREMENTS

Glendale Community College will admit any California resident possessing a high school diploma or the equivalent thereof, or who is 18 years of age or older. Non-residents, including international students, may be admitted. Information concerning residency may be found on page 39 of this catalog.

APPLICATION

An applicant may apply for admission to the College by completing an application online at www.glendale.edu/apply.

An applicant need only submit one application per academic year. An academic year is summer through spring.

High School Students

High school students in the 9th, 10th, 11th or 12th grade who are making satisfactory progress towards high school graduation are eligible to apply and enroll in classes at GCC. The student must complete the online application and the High School concurrent enrollment form with appropriate signatures. The High School concurrent enrollment form must be submitted to Admissions and Records prior to enrollment. If the student is accepted, the student may enroll in ten units during a semester, or inter-session. Once the student has graduated from their high school, the student must reapply to GCC as a high school graduate and submit proof of graduation if under 18 at the time of graduation to the Admissions and Records Office.

PLACEMENT & ASSESSMENT

All Glendale Community College students automatically place into key gateway transfer-level English and Math courses (see below), and a Challenge Placement Request (CPR) is available to students seeking more advanced or BSTEM courses in mathematics or to help those unsure about their preparation for English or Math. English Language Learners may take the CPR to determine what ESL (English as a Second Language) course may be right for them, or if English may be the better starting point. The CPR is administered every day and can be accessed on the Placement and Assessment website, where current changes to process or policy are updated regularly. Visit www.glendale.edu/placement for more information or to take the CPR. The Placement and Assessment Center is located in Sierra Vista Building, third floor.

English and ESL Placement

Students who have a diploma from a U.S. high school, we believe you're ready for either English 101 or English 101+. Both are transfer-level courses and 101+ is recommended for students with a high school GPA under 2.6 overall.

If the last class you took was in English Language Development or English as a Second Language, or if you last took English as a foreign language, you may wish to consider taking the GCC ESL Guided Placement Survey to determine if an ESL or an English course may be the best fit for you.

Mathematics Placement

Students, including those with high school GPA, or coursework history below minimum placement criteria are placed into transfer-level Math 135, 136+, 112+, 100, 102+ or Math 138 (for students going into elementary education). These courses are foundational to the math pathways.

For one semester SLAM (Statistics, Liberal Arts Math) courses (Math 136) and BSTEM (Business, Science, Technology, Engineering, Math); Students high school GPA and coursework will determine placement. Once placed in the mathematics course, students advance in the mathematics sequence according to course prerequisites.

Chemistry Placement

This test is required for placement into CHEM 101. It is not needed if the student has completed CHEM 110 with a grade of "C" or better.

English as a Second Language (ESL) Placement

Students will complete a Self Placement Survey (SPS) that will allow them to self-select the appropriate ESL level at which to begin.

English as a Second Language (ESL) (Noncredit) Placement

This test is used to place students in noncredit ESL courses and requires an appointment.

Placement Test Policies

Placement challenges are not allowed without permission of the appropriate division chair. Results for placement are valid for only a specific period of time; see below.

Placement Results	Longevity	Test Taking Policy
Chemistry	two years	once per year
ESL Placement	two years	once per year
ESL/NCR Placement	two years	once per year

CATALOG RIGHTS

New Students

Glendale Community College issues a new catalog each year. The information published in the catalog is in effect for the academic year beginning with the Fall semester and concluding with the Summer session.

The courses required for a specific degree, certificate, or general education may change from one catalog to the next and, therefore, may change during the period of time that a student attends the college. Catalog rights, established when a student first takes classes at the college, protect the student from being held for additional requirements that may be added to a later catalog.

For the purposes of meeting graduation requirements, students may elect to meet the requirements listed in the catalog at the time their enrollment began at Glendale Community College or for any subsequent catalog year during which they maintained continuous enrollment.

Continuing Students

1. Continuous enrollment at Glendale Community College means receiving a grade of "A," "B," "C," "D," "F," "P," "NP," "W," "EW," "MW," or "I" on their transcripts for at least one term (Fall, Winter, Spring, or Summer) per academic year.
2. Catalog rights apply only to Glendale Community College graduation and program requirements. If other institutions change their requirements for entrance, graduation, satisfaction of general education patterns, or in other ways, it may be necessary for the student to meet the new requirements upon transfer, even if continuous enrollment has been maintained.

Returning Students

1. Students who return to Glendale Community College and would normally be placed under the new catalog requirements in effect, may petition for their original catalog rights if the following conditions are met:
 - a. Student has earned 45 semester units with a minimum GPA of 2.00 and these units are recorded on the student's official transcript at GCC. Units earned may reflect courses taken at GCC as well as courses taken at other institutions.
 - b. Student has seen a counselor, has completed student education plan (SEP), and has officially declared a major and an educational goal (including transfer institution, if applicable).

The above does not apply to students planning to complete the general education for CalGETC certification for transfer.

CLASS AUDIT POLICY

A student may audit a class at GCC providing that the following conditions are met:

1. Auditors must be eligible for admission to the college as regularly enrolled students.
2. Enrollment for the purpose of auditing will be on a space available basis, and requires the approval of the instructor.
3. Priority in class enrollment shall be given to students desiring to take the course for credit; therefore, enrollment for audit purposes will not be permitted until the second week of instruction.
4. Once audit enrollment is completed, no student will be permitted to change his or her enrollment to receive credit. A student shall not be permitted to change his or her enrollment from credit to audit.
5. A non-refundable audit fee of \$15 per unit, plus Health, Student Services, Representation & Material fees, shall be payable at the time of enrollment as an auditor according to established fees by the California State Legislature and GCC District Board of Trustees. Students enrolled in 10 or more units will not be charged a fee for auditing up to three units.
6. No credit will be received for auditing a course. The college will not maintain any attendance or academic records.

CONTINUOUS ENROLLMENT

Although not continuous, new and returning students who submit applications during the current academic year (summer through spring) are not required to submit more than one application per academic year. Students will be able to obtain registration date and time for any term during the academic year by going to www.MyGCC.glendale.edu.

ELIGIBILITY FOR COURSES

It is the policy of the Glendale Community College District that every class offered, unless otherwise indicated in the official catalog and schedule of classes, shall be fully open to enrollment and participation by any person who meets the academic prerequisites of such class, and who is otherwise eligible for admission to and enrollment in the college. Students may occasionally have had experience in a given area which they may feel will substantially satisfy the stated prerequisite for a course. In this situation, the student must have a *prerequisite/corequisite challenge process* petition approved to make such substitution. Once such a petition has been approved, students may not later receive credit for a course for which they substituted the outside experience. Students who are considering developing a petition should first read the section on Credit by Examination.

Credit for lower level courses will not be granted if credits have been earned in higher level courses. Some courses have no stated prerequisite; however, many courses have expected skill levels in reading, writing, listening/speaking and math. It has been substantiated that students enrolled in a course with the stated skill levels are more successful in satisfactorily completing the course. Students should check the current schedule of classes for a complete explanation on how to match skill level to an appropriate course.

Counselors consider these factors when assisting students to complete their Student Educational Plan (SEP). Students will select courses from the SEP as they make out their programs during a registration period.

ENROLLMENT PRIORITY

In compliance with Title V - Enrollment Priorities, all new incoming students must be fully matriculated to receive enrollment priority for registration. Full matriculation includes completion of an orientation, and counseling - Abbreviated Student Educational Plan (SEP). Timely completion of the orientation, and counseling - Abbreviated SEP may result in a higher registration priority. Students who do not complete this process by the admission application deadline will receive a lower registration priority. Admission application deadlines are printed in the spring and fall class schedules in addition to being posted on the Admissions and Records Important Dates Calendar online at www.glendale.edu/importantdates.

LOSS OF ENROLLMENT PRIORITY AND APPEAL PROCESS

Continuing Students would lose enrollment priority if they have either earned more than 100 units (not including non-degree applicable courses) or have been on academic or progress probation for two (2) consecutive semesters (Spring/Fall). If the student has lost their priority registration, a registration hold will be posted to the student's MyGCC student portal. The registration hold prevents the student from registering during priority registration. Once priority registration has commenced, the registration hold will automatically be released and the student will be allowed to register during open registration.

Students are allowed to appeal their Loss of Enrollment Priority in an attempt to reinstate original priority registration date/time. Students must complete & submit an "Appeal of Loss of Enrollment Priority" petition form to the Admissions and Records Office along with supporting documentation, by the petition deadline (please contact the Admissions Office for information on deadlines). Once the petition has been reviewed by the Admissions and Records Director, a decision will be rendered and the student will then be notified through their MyGCC student portal. If the petition is approved the registration hold will be removed and the student will be able to register. If the petition is denied, the student will need to register during open registration.

FEES

Fees are established by the California State Legislature and the GCC District Board of Trustees.

\$ 46 per unit	Enrollment Fee*
\$ 406 per unit	Nonresident Tuition*
\$ 27 fall/spring	Health Services Fee
\$ 22 summer/winter	
\$ 17.50	Student Services Fee**
\$ 2	Representation Fee***
\$ No fee	Student Photo I.D. Fee

Enrollment Fee: All students, resident and non-resident, must pay the basic enrollment fee of \$46 per unit for each semester or summer/winter session.

Nonresident Tuition: Nonresident tuition is a mandatory fee of \$406 per semester unit (plus the enrollment fee of \$46 per unit) for students who are residents of other states, who are foreign nationals or who have taken legal residence in California for less than one year.

Health Services Fee: A Health Services fee of \$26 per semester and \$22 for a summer or winter inter-session is required of all students. Services include blood pressure screening, vision screening and hearing tests, tetanus, measles, mumps, and rubella immunizations, and assistance with health insurance questions. A registered nurse is available, and students may schedule appointments with physicians, nurse practitioners, and mental health counselors. The health fee may be waived for individuals who are members of a bona fide religious organization that believes in prayer for healing. Membership must be documented.

Student Services Fee: The \$17.50 Student Services fee, which is assessed each semester and inter-session, provides membership to the ASGCC and allows students to access various college activities and programs. These include admission to events sponsored by the ASGCC, participation in inter-collegiate athletics, and access to various scholarship opportunities and the emergency loan program. The Student Services fee also helps support many critical programs and services throughout campus, including, student clubs and organizations, the Food Pantry, the Multicultural and Community Engagement Center, Disabled Students Program and Services, the Welcome Center, the El Vaquero student newspaper, the Transfer Center, and much more!

****Optional Fee:** Students who choose to opt-out of the Student Services Fee are eligible for a refund ONLY if they complete a fee waiver at the ASGCC Business Office (Sierra Madre Building 1st floor) within the first two weeks of the semester or intersession.

Representation Fee: The Student Representation Fee helps ensure that the student voice is represented to governmental representatives at the local and state level. The \$2 SRF is used by the ASGCC and the Student Senate of the California Community Colleges (SSCCC) to advocate and lobby for legislative issues that affect and benefit community college students both at the local, state, and federal level. *****Students may opt-out of paying the \$2 by clicking the "Student Representative Fee" button under Student Account in MyGCC.**

Student Photo I.D.: The card is used at the library, the bookstore, offices in College Services and instructional labs at the college. There is no fee.

Instructional Materials Fee: Various types of instructional materials may be required in some classes. For those students who wish to purchase the materials from the College, an Instructional Materials fee will be assessed. The courses that require materials or an Instructional Materials fee are noted in the Schedule of Classes. These materials include, but are not limited to, electronic data, tools, equipment, clothing, and those materials which are necessary for a student's vocational training.

Supplementary Fees:

College Catalog:	\$5 per copy
Course Audit Fee:	\$15 per unit
HSE Test Fee:	\$150
	per battery of five tests or
	\$30 per test
Official College Transcript:	First two are free
	\$10
Rush service is an additional	\$5 per copy
Parking:	\$45 for summer/winter
	\$75 for fall/spring
Refund Processing Fee:	\$10
Returned Check/Charge Back:	\$30
Verification of Enrollment:	First two are free
	\$5
Rush service is an additional	\$5

All fees are subject to change without notice.

Financial aid may be available to students who meet the qualification requirements. The enrollment fee is waived for students who qualify for financial aid. Students with questions concerning financial aid eligibility should contact the college Financial Aid Office.

**Mandatory Fee. There is an exemption procedure for fees that are not mandated by the California State Legislature. Contact the respective department for details.*

REFUND/REPAYMENT POLICY

Refund Policy for all Students:

1. Refunds are automatic for those students who withdraw/drop unit(s) by the due date listed in the schedule of classes and on the GCC website. There is a \$10 refund processing fee.
2. Request for parking fee refunds must be initiated by students when they return their parking permits during the specific dates indicated in the Schedule of Classes and on the GCC website. There is a \$10 refund processing fee.
3. A student will be eligible for a refund who withdraws or drops units in accordance with the following:
 - A. **Fall and Spring Semester** - Students must withdraw/drop a class within the first two weeks of a semester length class, or within the first week of a six or eight week class.
 - B. **Summer and Winter Session** - Students must withdraw/drop a class within the first week of a five or six week class.
 - C. The student should check the Schedule of Classes or with the Admissions and Records Office for the drop/withdrawal date if a class is of shorter duration than those mentioned above.

Repayment Requirement Policies for Students Receiving Financial Aid:

Students who receive financial aid in the form of a Pell Grant, Cal Grant, or Federal Direct Loans are subject to state and federal regulations that may require repayment of all or part of the funds received if they drop some or all of their units during a semester.

Students who receive financial aid and never attend class: Federal regulations only allow students to receive financial aid for classes they actually attend. Students who receive financial aid for classes that they drop before the first day of class, or that they otherwise never attend, must return those funds.

Students who receive financial aid for classes they attend and then drop: Financial Aid (FA) is based on the number of units a student is enrolled in as of the Financial Aid (FA) census deadline. Students who receive financial aid then drop prior to the deadline may be required to repay some of the funds received.

Students who drop all classes prior to completing 60% of the semester: Federal Return to Title IV (R2T4) regulations governing the federal student financial aid programs stipulate that students who withdraw from the college before completing at least 60% of the semester have not “earned” the funds they received and must repay some of their financial aid. The

Financial Aid Office is required by law to notify the student of the overpayment due within 45 days, once it is determined that the student has withdrawn from school. *There is no appeal process. Federal regulations do not allow a college to make any exceptions to the Return to Title IV requirements.* Students who have not received the total amount of financial aid that they may have earned prior to withdrawing from school may be entitled to a post-withdrawal disbursement. In these cases, students will be notified within 30 days regarding the amount due them and how accepting additional funds will affect their standing under the Financial Aid Satisfactory Academic Progress policy.

Students who earn ALL fail, No Pass, and/or Withdrawal grades (‘F’, ‘NP’, ‘W’, ‘EW’) or a combination of, for any term will be considered to have Unofficially withdrawn: Federal Return to Title IV regulations governing the federal student financial aid programs stipulate that students who receive All ‘F’, ‘NP’, and/or ‘W’, ‘EW’s or a combination of, for the term/semester, the midpoint (50%) of that term/semester will be used as the withdrawal date. A review of financial aid students will occur after grades are processed for the prior term/semester to determine who falls in this category and requires a R2T4 calculation.

Financial Aid Overpayments: If a student owes a repayment of federal student aid, the student must repay the amount in full. If the student fails to repay the amount due, the college may refer the account to the US Department of Education and the student may lose eligibility for any further federal student financial aid.

REGISTRATION

Each student must officially register in classes. The classes should be chosen from the student’s educational plan. These classes constitute the official program of the student.

All students register according to the dates and times assigned to them. To be a continuing student, the registrant must have been enrolled in the immediately prior semester or session. New and returning students who submit applications during the current academic year (summer through spring) are considered active and eligible for registration for the entire academic year, and those students will receive registration information by going to www.MyGCC.glendale.edu. For information concerning this process, consult the semester Schedule of Classes or go to the GCC website.

After the beginning of the semester, students may:

- enroll in open semester-length courses through the first week of the semester with the permission of the instructor;
- enroll in closed semester-length courses with the permission of the instructor through the second week of instruction; and
- enroll in courses less than 16 weeks provided that 15% of the class meetings have not been held.

No registrations or adds of semester-length classes are allowed after the end of the second week of instruction.

No student will be enrolled in a class and have a grade recorded subsequent to the completion of a given semester unless it is established that the procedures for enrolling set up by the College are proved to have failed.

RESIDENCE REQUIREMENTS

The following statement of the rules regarding residency is intended for general information only. More detailed information can be obtained from the Office of Admissions. At the time of application and at registration each student is required to verify residence information. Even though a student may be otherwise admissible to GCC, the student may be classified as a tuition-paying student in accordance with the residence requirements.

A "resident student" means any person who can verify physical presence in California for one year or more on the day preceding the first day of instruction of a semester or intersession during which the person proposes to attend, who can demonstrate intent to make California a home for other than a temporary purpose and financial independence. Alien Students: A student who is an alien may establish his or her residence if he or she is not precluded by the Immigration and Nationality Act from establishing domicile in the U.S..

Intent to establish residency in most cases cannot be proven with only one or two pieces of evidence. The more evidence you can present to show intent, the easier it is to become a California resident for tuition purposes. All documentation must be submitted to the Admissions and Records Office PRIOR to the start of the semester of attendance.

A "non-resident student" means any person who has had residence in California for less than one year on the day preceding the first day of instruction of a semester or intersession during which the person proposes to attend.

A "non-resident student" may be admitted to GCC, but will be required to pay either an out-of-state or an international student tuition charge as appropriate to their circumstances. The tuition rates are established on a yearly basis. For information concerning the current rates please contact the Student Fees Office.

In determining the place of residence the following rules apply:

1. There can be only one residence.
2. A residence is the place where one remains when not called elsewhere for labor or other special or temporary purpose, and to which he returns in seasons of repose.
3. A residence cannot be lost until another is gained.
4. Residence can be changed only by the union of act and intent.
5. A man or woman may establish his or her residence. A woman's residence shall not be derived from that of her husband.

6. The residence of the parent with whom an unmarried minor child maintains his or her place of abode is the residence of the unmarried minor child. When the minor lives with neither parent his or her residence is that of the parent with whom he or she maintained his or her last place of abode, provided the minor may establish his or her residence when both parents are deceased and a legal guardian has not been appointed.
7. The residence of an unmarried minor who has a parent living cannot be changed by his or her own act, by the appointment of a legal guardian, or by relinquishment of a parent's right of control.
8. An alien, including an unmarried minor alien, may establish his or her residence, unless precluded by the Immigration and Nationality Act (8 U.S.C. 1101, et seq.) from establishing residence in the United States.
9. The residence of an unmarried minor alien shall be derived from his or her parents pursuant to the provisions listed above (6 & 7).

*California Education Code Section 68062

STUDENT RECORDS

Annually Glendale Community College informs students of the Family Educational Rights and Privacy Act of 1974, as amended; of the provisions of Sections 76200-76246 of the Education Code of the State of California; and of the provisions of Sections 54600-54630 of Title 5 of the California Administrative Code. These references, with which the institution intends to comply fully, were designated to protect the privacy of education records, to establish the right of students to inspect and review their education records, to provide the process by which students may challenge the accuracy of those records, and to provide guidelines for the correction of inaccurate or misleading data through informal and formal hearings. Students also have the right to file complaints with the Family Education Rights and Privacy Act (FERPA) Office concerning alleged failures by the institution to comply with the Act.

An institutional guide explains in detail the procedures to be used by the institution for compliance with the provisions of the Act. Copies of the guide may be found in the campus library as well as in the Office of Admissions and Records. Questions concerning the Family Educational Rights and Privacy Act may be referred to the Office of Admissions.

STUDENT RESPONSIBILITY

Glendale Community College provides its students with a wide variety of academic assistance and support services. It is the responsibility of each student to meet the requirements printed in the college catalog, the class schedule and college announcements.

The college establishes certain academic policies and requirements which must be completed before a degree or certificate can be granted. These include major and unit requirements, as well as verification of satisfying course prerequisites. Students also are responsible to see that they meet the admission requirements to the college or university of their choice if they elect to pursue an educational goal beyond their sophomore year. While counselors, faculty, administrators and staff will provide students with information and assistance, responsibility for meeting these requirements remains with the students.

To insure timely information from the college, students must inform the Office of Admissions and Records of changes in personal data, including change of name and address. It is the student's responsibility to enroll properly for classes. A student who fails to enroll officially in a class will not be given credit for that class. It is the student's responsibility to withdraw officially from the college or drop classes when he or she stops attending and to observe established deadlines. Otherwise, "F" grades may be assigned.

Other areas regarding student responsibility are included in the catalog under sections for: Admission and Registration; and Scholarship Information and Regulations.

TRANSCRIPTS

Transcripts should be sent directly from the high school, college, or university to the Admissions and Records Office at Glendale College. All transcripts become the property of Glendale College and will not be returned.

Glendale Community College reserves the right to evaluate work completed in other colleges or universities. The external credit units and cumulative grade points will be posted on the student's Glendale College transcript. Please see page 15 of this catalog for information regarding the issuance of external transfer credit. Transfers with acceptable grades will be granted advanced standing in-so-far as the work corresponds with that of Glendale College.

Upon the written request of a student, a transcript of the student's record at Glendale College will be forwarded to a college or university, individual, firm, etc. Students are entitled to two free transcripts. For more information visit our website at www.glendale.edu/transcript.

SCHOLASTIC INFORMATION AND REGULATIONS

ACADEMIC RENEWAL WITHOUT COURSE REPETITION

The following procedure provides an opportunity for students to obtain alleviation of previously recorded, substandard academic performance which is not reflective of subsequent demonstrated ability.

1. A student may request academic renewal multiple times, for up to 30 units of substandard coursework (any course in which a grade "D" and "F" has been recorded), completed at GCC through the "Petition for Academic Renewal." The Petition is submitted to Admissions and Records.
2. The student's official transcript must demonstrate evidence of recent academic ability defined as:
 - a. 12 semester graded (A-F) units with at least a 2.00 GPA
 - b. These 12 units must be consecutive and must have begun any time after the coursework to be disregarded.
3. If the student is using coursework completed from another Institutional accredited college to demonstrate evidence of recent academic ability, the student is responsible for presenting official transcripts to GCC.
4. There must be a lapse of at least one semester (fall or Spring) since completion of the most recent coursework to be disregarded.
5. Academic renewal may not be applied to any courses that have been used to satisfy certificate requirements, associate degree requirements, and/or transfer general education requirements.
6. If and when the petition is granted, all grades will remain on the student's official transcript. Courses will be notated on the transcript that units and grades have been disregarded from the grade point average.
7. Academic renewal is permanent and cannot be reversed.
8. Coursework to be disregarded is limited to "D" and "F" grades in courses not subsequently completed with a "C" or higher at GCC.

For further information regarding academic renewal contact the Office of Admissions and Records.

ATTENDANCE AND DROP POLICY

Students are expected to attend all class meetings. There are no authorized absences from class and irregular attendance may result in exclusion from classes.

It is the student's responsibility to register properly for classes. A student who fails to enroll officially in a class will not be given credit for that class.

Students also have the responsibility of officially withdrawing from college or dropping from class when they stop attending, and of observing established deadlines. Otherwise, "F" grades may be assigned.

It is the responsibility of each student to know the attendance and absence policy of each class in which he or she is enrolled. It is the responsibility of each instructor to inform his or her class of the attendance and absence policies at the beginning of each semester.

Students shall be dropped from class for failure to attend the first class meeting during the first week of instruction if they have not made prior arrangements with the instructor. Students also may be dropped for continuous or cumulative absences for the number of hours a sixteen-week class is scheduled to meet in a two-week period.

CHANGE OF GRADES

The District recognizes the long standing prerogative of faculty to set standards of performance and to apply them to individual students. Therefore, the instructor is the final authority in determining grades that are assigned to students and that appear on their permanent academic records. The Superintendent/President or designee shall establish administrative regulations on grade changes. The following policies apply to changes of grades except for changes of Incomplete (I) and Withdrawal (W) grades.

1. All course grades are final when filed by the instructor at the end of the term. These grades become a part of the student's permanent record.
2. A change of grade shall occur in cases of clerical error, administrative error, or where the instructor re-evaluates the student's performance and discovers an error in the original evaluation. A clerical error is an error made by the instructor in calculating or recording the grade. A change of grade shall not occur as a consequence of the acceptance of additional work or re-examination beyond the specified course requirements.
3. A request for a grade change shall be initiated by the student affected or by the instructor within the next regular semester following the award of the original grade. If the instructor determines that there is a valid basis for the change, a Change of Grade form shall be used to notify the Admissions and Records Office. If the instructor determines that there is not a valid basis for the change and denies the student's request, the instructor's decision, subject to the appeals process described below, is final.
4. The Change of Grade form must be completed by the instructor, signed by the division chairperson, and submitted to the Admissions and Records Office. Once the change of grade is processed, students shall be notified by the Admissions and Records Office.

Students have the right to formally appeal a final grade in a course. Appeals are limited to situations in which the student believes the grade was prejudicially, capriciously, or arbitrarily assigned. Appeals must first be directed to the instructor of the course, orally or in writing. If further action is necessary, the student should appeal in writing to the division chair and then to the Dean of Instruction, then Vice President, Instructional Services. If the issue continues to be unresolved, a written appeal can be directed to the college Judicial Board. (See Grievance Policy)

CLASSIFICATION OF STUDENTS

Students are classified as follows: *Full time*—enrolled in twelve (12) or more units in a regular semester or four (4) or more units during an inter-session. *Part time*—enrolled in less than twelve (12) units during a regular semester or less than four (4) units during an inter-session. *Freshman*—one who has completed less than 30 units; *Sophomore*—one who has completed 30 units or more.

CLEARANCE OF OBLIGATIONS

The Director of Admissions and Records may withhold diplomas and registration privileges from any student or former student who fails to pay a proper financial obligation to the District. The student shall be given written notification from the Student Fees Office and the opportunity to appeal if the financial obligation is in error. The definition of a proper financial obligation shall include, but is not limited to: student fees; obligations incurred through the use of facilities, equipment or materials; library fines; unreturned library books; materials remaining improperly in the possession of the student; or lost or destroyed and/or any other unpaid obligation a student or former student owes to the District. A proper financial obligation does not include any unpaid obligation to a student organization. The Director of Admissions and Records upon proper notification and justification by the administrators in charge of student discipline, may withhold registration and/or counseling privileges for students who are under suspension, academic or progress probation, or are in violation of any disciplinary contract.

COURSE REPETITION

In the past, students have elected to repeat courses for different reasons including alleviating a substandard grade (F, D, NC, NP) or non-evaluative symbol (W), to improve skills or to comply with an employer's requirements. However, due to changes in regulations (Title 5 and CCCCCO), a student's ability to repeat a course is now more limited.

Under the new regulations, students will be limited to three "takes" of a course to alleviate a substandard grade. Previous enrollments will count toward the total three allowable takes per course. All substandard grades and withdrawals shall count toward the three enrollments.

Furthermore, only three types of courses may be repeatable (regardless of grade), including courses that are designed specifically for intercollegiate athletics, intercollegiate academic or vocational competition courses, or courses for which the repetition of the course is required by a University of California or California State University. All repeatable courses are indicated as such in the course description section of this catalog. The new regulations also require grouping active participatory courses previously designated as "activities" courses into "families" and limiting enrollment in courses within the families to four experiences regardless of grade.

Course families are courses with related content where the content progresses into levels from one course to the next (Title 5 §55000) or in which the content is linked around themes. Areas that are now required to group courses into families are: Physical Education and Visual and Performing Arts. Listed below are GCC's Course Families: (For specific courses in each family, refer to the course description section of the catalog)

Course Families

ART - Ceramics; Ceramic Hand Building

STUDIO ARTS - 2D Art Foundations; Life Drawing; Oil Media; Water Media; Printmaking; Special Projects in Studio Arts; Sculpture; and 3D Design

DANCE - Ballet Technique; Modern Dance Technique; Jazz Technique; American Vernacular Dances; Cultural Dance; Choreographic Studies; Performance Skills; Production Studies; and Movement for Theatre

MUSIC - Piano; Classical Guitar; Contemporary Guitar; Voice Training

THEATRE ARTS - Acting; Directing, Playwriting, Management; Costume and Makeup; Scenic and Lighting, Technical Theatre; Stagecraft/Building; Theatre Production-Rehearsal and Performance; Technical Theatre Production-Running Crew

PHYSICAL EDUCATION/KINESIOLOGY - Adapted Physical Education; Basketball; Cardio Fitness; Cycling; Golf; Martial Arts; Motor Performance Fitness; Racquet; Soccer/Football; Volleyball

Petitioning for Additional Enrollments

There are exceptions under which a student may be allowed to enroll in a class to alleviate a substandard grade. Students may petition to enroll in a class for a third time (second repeat) by completing the *Request for Third Enrollment* form. The student must obtain approvals from the instructor and division chair. The student must register in person at the Admissions and Records Office during the first week of a semester/intersession.

GCC may permit one additional enrollment in the same credit class for the fourth time, but the student will need to submit a *Petition to Waive College Requirement* form (Admissions and Records Office). The petition only allows a student to repeat a course due to significant lapse of time (3 years) since the course was last taken, OR when there are specific documented extenuating circumstances such as flood, fire, or other extraordinary conditions beyond the student's control. No additional units attempted or grade points are allowed for the repeated course.

In computing the grade-point average of a student who repeats a course in which a "D", "F", "NC", or "NP" grade was received, the previous grade is disregarded and the new one is counted in calculation of the student's GPA if the new grade is equal to or higher than the original grade. After satisfactory completion of a course, students should submit a *Request to Count the Higher Grade* petition to the Admissions and Records Office in order to have their academic records adjusted. The original grade on the academic record will not be changed or eradicated.

In some cases, students may also be able to repeat a course for credit when the student has “used up” the four class experiences within a family. For repeatable courses, a student may petition to enroll in a course for additional experiences if the course is determined to be legally mandated (i.e. First Aid), required to meet industry standards, or due to extenuating circumstances (Per Title 5 § 55040 (8) & (9), and § 55045).

Students with disabilities can repeat a special class for students with disabilities any number of times when an individualized determination verifies that such repetition is required as a disability-related accommodation for the student for one of the reasons specified in Title 5 § 56029.

For questions and assistance regarding petitioning for additional enrollments to alleviate a substandard grade or repeat a class past the four experiences, see your college counselor.

CREDIT FOR ADVANCED PLACEMENT EXAMINATIONS

GCC recognizes the Advanced Placement (AP) Program of the College Entrance Examination Board. Students who have completed AP examinations with scores of 3 or higher may receive credit at GCC as indicated in the catalog or www.glendale.edu/AP. Credit awarded through AP exams may be used to satisfy GCC's General Education requirements or Cal-GETC requirements. Course credit is granted for AP exams if the division concerned has determined that the material covered is comparable to a specific course offered within that division.

It is the student's responsibility to petition for credit through the Admissions and Records Office. Credit awarded for AP exams shall not be counted toward the 12 semester units of credit in residence required to earn an associate degree. Credit for AP exams will only be granted during the fall and spring semesters to students who have successfully completed or are enrolled in at least 12 units at GCC.

NOTE: The awarding of AP credit for courses on the GCC transcript does not ensure their transferability to four-year institutions. Each college and university grants AP credit according to its own policy. GCC may grant more or less units of credit than the transfer institution awards. AP credit for the major may require higher scores or may not be accepted at all. Students planning to transfer should consult the catalog(s) of the transfer institution(s) to determine how AP credit is granted for the purpose of admission, general education, and the specific major prior to petitioning for credit. Students should speak with a counselor before taking a course that duplicates content covered in the AP exam, as they may not receive credit for both.

CREDIT BY EXAMINATION

Students currently registered in the college and are in good standing and who believe they qualified by experience or previous training, may apply to take a special examination to establish credit in a course in which they are not formally registered.

Students may not petition for credit by exam if they enrolled in the course and received a letter grade of “I”, “D”, “NP” or “F”. Students may not petition for credit by exam for a course if that course is at a lower level in the subject sequence than a course for which the student has already received credit through completion of the course.

Students may attempt Credit by Exam only once in a particular course. If a course has already been taken for credit, it is not repeatable for Credit by Exam.

Students wishing to challenge courses approved for examination must obtain the form “Petition for Credit by Examination” from their counselor and discuss eligibility according to criteria set up by the college.

Units for which credit is given pursuant to these exams will not be counted in determining the 12 semester units of credit in residence required for graduation with an Associate degree.

Courses open to Credit by Exam include the following:

- Administration of Justice 101, 110, 116, 118, 120
- Architecture 101
- AT 114 (Commercial Pilot Certificate required), 120
(Private Pilot Certificate required), 122 (Instrument Rating required), 125 (Instrument Rating required), 135 (FAA Commercial Pilot Certificate required or satisfactory score on FAA Commercial Pilot Knowledge Exam)
- Business Administration 111, 112, 113, 114, 115, 204
- CABOT 104, 205, 210, 265, 270, 275
- Chemistry 101, 102, 110
- CS/IS 135
- Electronics and Computer Technology 110
- Engineering 101, 117
- Geology 101
- Health 101, 102, 104, 106
- Machine Technology 101, 111
- Metallurgy 150
- Nursing Science (all)

NOTE: Credit earned through Credit by Examination is intended to be used toward the attainment of a degree or certificate at Glendale Community College. If your goal is to transfer to a four-year institution, please speak with a counselor to determine whether the credit will transfer.

COLLEGE LEVEL EXAMINATION PROGRAM POLICY

GCC recognizes the College-Level Examination Program (CLEP) of the College Entrance Examination Board. Students who have completed CLEP examinations with scores of 50 or higher (unless noted otherwise) may receive credit at GCC as indicated here in the catalog or www.glendale.edu/clep. Credit awarded through CLEP exams may be used to satisfy GCC's General Education requirements, but cannot be applied toward Cal-GETC requirements. Course credit is not granted for CLEP exams.

It is the student's responsibility to petition for credit through the Admissions and Records Office. Credit awarded for CLEP exams shall not be counted toward the 12 semester units of credit in

residence required to earn an associate degree. Credit for CLEP exams will only be granted during the fall and spring semesters to students who have successfully completed or are enrolled in at least 12 units at GCC.

Note: The awarding of CLEP credit for courses on the GCC transcript does not ensure their transferability to four-year institutions. Each college and university grants CLEP credit according to its own policy. GCC may grant more or less units of credit than the transfer institution awards. CLEP credit for the major may require higher scores or may not be accepted at all. Students planning to transfer should consult the catalog(s) of the transfer institution(s) to determine how CLEP credit is granted for the purpose of admission, general education, and the specific major prior to petitioning for credit. Students should speak with a counselor before taking a course that duplicates content covered in the CLEP exam, as they may not receive credit for both.

CREDIT FOR COLLEGE-LEVEL EXAMINATION PROGRAM (CLEP)

CLEP Exam	GCC Associate Degree			CSU	
Type of EXAM	GCC GE Area	GCC Course Equivalent	Units Toward Degree	CSU GE Area	Units for CSU Admission
CLEP American Government	GE 4	Score of 50 or higher N/A	3 units	Area 4 3 semester units	3 semester units
CLEP American Literature	GE 3	Score of 50 or higher N/A	3 units	Area 3B 3 semester unit	3 semester units
CLEP Analyzing and Interpreting Literature	GE 3	Score of 50 or higher N/A	3 units	Area 3B 3 semester units	3 semester units
CLEP Biology	GE 5	Score of 50 or higher N/A	3 units	Area 5B 3 semester units	3 semester units
CLEP Calculus	GE 2	Score of 50 or higher N/A	3 units	Area 2 3 semester units	3 semester units
CLEP Chemistry	GE 5	Score of 50 or higher N/A	3 units	Areas 5A 3 semester units	3 semester units
CLEP College Algebra	GE 2	Score of 50 or higher N/A	3 units	Area 2 3 semester units	3 semester units
CLEP College Algebra - Trigonometry	GE 2	Score of 50 or higher N/A	3 units	Area 2 3 semester units	3 semester units
CLEP College Composition	N/A	Score of 50 or higher N/A	0 units	N/A	0 semester units
CLEP College Composition – Modular	N/A	Score of 50 or higher N/A	0 units	N/A	0 semester units
CLEP College Mathematics	N/A	Score of 50 or higher N/A	0 units	N/A	0 semester units
CLEP English Composition (no essay)	N/A	Score of 50 or higher N/A	0 units	N/A	0 semester units
CLEP English Composition (with essay)	N/A	Score of 50 or higher N/A	0 units	N/A	0 semester units
CLEP English Literature	GE 3	Score of 50 or higher N/A	3 units	N/A	3 semester units
CLEP Financial Accounting	N/A	Score of 50 or higher N/A	0 units	N/A	3 semester units
CLEP French Level I	N/A	Score of 50 or higher N/A	0 units	N/A	6 semester units
CLEP French Level II	GE 3	Score of 59 or higher N/A	3 units	Area 3B 3 semester units	9 semester units
CLEP Freshman College Composition	N/A	Score of 50 or higher N/A	0 units	N/A	0 semester units

CLEP Exam	GCC Associate Degree			CSU	
Type of EXAM	GCC GE Area	GCC Course Equivalent	Units Toward Degree	CSU GE Area	Units for CSU Admission
CLEP German Level I	N/A	Score of 50 or higher N/A	0 units	N/A	6 semester units
CLEP German Level II	GE 3	Score of 60 or higher N/A	3 units	Area 3B 3 semester units	9 semester units
CLEP History, United States I	GE 4 or 7	Score of 50 or higher N/A	3 units	4 and US-1 3 semester units	3 semester units
CLEP History, United States II	GE 4 or 7	Score of 50 or higher N/A	3 units	4 and US-1 3 semester units	3 semester units
CLEP Human Growth and Development	GE 4	Score of 50 or higher N/A	3 units	N/A	3 semester units
CLEP Humanities	GE 3	Score of 50 or higher N/A	3 units	Area 3B 3 semester units	3 semester units
CLEP Information Systems and Computer Applications	N/A	Score of 50 or higher N/A	0 units	N/A	3 semester units
CLEP Introduction to Educational Psychology	N/A	Score of 50 or higher N/A	3 units	N/A	3 semester units
CLEP Introductory Business Law	N/A	Score of 50 or higher N/A	0 units	N/A	3 semester units
CLEP Introductory Psychology	GE 4	Score of 50 or higher N/A	3 units	Area 4 3 semester units	3 semester units
CLEP Introductory Sociology	GE 4	Score of 50 or higher N/A	3 units	Area 4 3 semester units	3 semester units
CLEP Natural Sciences	GE 5	Score of 50 or higher N/A	3 units	Area 5A or 5B 3 semester units	3 semester units
CLEP Pre-Calculus	GE 2	Score of 50 or higher N/A	3 units	Area 2 3 semester units	3 semester units
CLEP Principles of Accounting	N/A	Score of 50 or higher N/A	0 units	N/A	3 semester units
CLEP Principles of Macroeconomics	GE 4	Score of 50 or higher N/A	3 units	Area 4 3 semester units	3 semester units
CLEP Principles of Management	N/A	Score of 50 or higher N/A	0 units	N/A	3 semester units
CLEP Principles of Marketing	N/A	Score of 50 or higher N/A	0 units	N/A	3 semester units
CLEP Principles of Microeconomics	GE 4	Score of 50 or higher N/A	3 units	Area 4 3 semester units	3 semester units
CLEP Social Sciences and History	N/A	Score of 50 or higher N/A	3 units	N/A	0 semester units
CLEP Spanish Level I	N/A	Score of 50 or higher N/A	0 units	N/A	6 semester units
CLEP Spanish Level II	GE 3	Score of 63 or higher N/A	3 units	Area 3B 3 semester units	9 semester units
CLEP Spanish with Writing I	N/A	Score of 50 or higher N/A	0 units	N/A	6 semester units
CLEP Spanish with Writing II	GE 3	Score of 63 or higher N/A	3 units	Area 3 3 semester units	9 semester units
CLEP Western Civilization I	GE 3 or 4	Score of 50 or higher N/A	3 units	Area 3B or 4 3 semester units	3 semester units
CLEP Western Civilization II	GE 4	Score of 50 or higher N/A	3 units	Area 4 3 semester units	3 semester units

To learn more about how CSU awards credit for CLEP exams, visit their <https://calstate.policystat.com/policy/17947386/latest/#autoid-e77y7>

UC does not accept CLEP exam credit; therefore, students cannot use CLEP exams to earn units toward UC transfer or toward meeting Cal-GETC requirements.

CREDIT FOR ADVANCED PLACEMENT EXAMINATIONS

AP Exam	GCC Associate Degree			CSU		UC	
Type of Exam	GCC GE Area	GCC Course Equivalent	Units Toward Degree	CSU GE Area	Units for CSU Admission	CAL-GETC Area	Units for UC Admission
				<i>for students NOT completing Cal-GETC</i>			
African American Studies	GE 4 or 6	Score of 3, 4, or 5: ETH S 132	3 units	N/A N/A units	3 semester units	N/A N/A units	2.6 semester units
Art History	GE 3	Score of 3, 4, or 5: ARTH 101 & 102	6 units	Area 3A or 3B 3 semester units	6 semester units	Area 3A or 3B 3 semester units	5.3 semester units
Art Studio Drawing	N/A	Score 3, 4, or 5: N/A	3 units	N/A N/A units	3 semester units	N/A N/A units	5.3 semester units <i>Maximum credit for 2-D Art and Design, 3-D Art and Design, and Drawing exams</i>
2-D Art and Design	N/A	Score 3, 4, or 5: N/A	3 units	N/A N/A units	3 semester units	N/A N/A units	5.3 semester units <i>Maximum credit for 2-D Art and Design, 3-D Art and Design, and Drawing exam</i>
3-D Art and Design	N/A	Score 3, 4, or 5: N/A	3 units	N/A N/A units	3 semester units	N/A N/A units	5.3 semester units <i>Maximum credit for 2-D Art and Design, 3-D Art and Design, and Drawing exam</i>
Biology	GE 5	Score of 3, 4 or 5: BIOL 122s	4 units	Area 5B and 5C 4 semester units	6 semester units	Area 5B and 5C 4 semester units	5.3 semester units
Calculus AB	GE 2	Score of 3: MATH 100 Score of 4 or 5: MATH 103E	Score of 3: 4 units Score of 4 or 5: 5 units	Area 2 3 semester units	3 semester units <i>Maximum credit for AP Calculus or CS or A/AB exams is one exam.</i>	Area 2 3 semester units	2.6 semester units <i>Maximum credit for both exams 5.3 semester units.</i>
Calculus BC	GE 2	Score of 3: <i>Follow Calc AB subscore</i> Score of 4 or 5: MATH 103E & 104E	Score of 3: 4 units Score of 4 or 5: 10 units	Area 2 3 semester units	6 semester units <i>Maximum credit for AP Calculus or CS or A/AB exams is one exam.</i>	Area 2 3 semester units	5.3 semester units <i>Maximum credit for both exams 5.3 semester units.</i>
Chemistry	GE 5	Score of 3 GE Credit Only Score of 4, 5: CHEM 110	Score of 3: 4 units Score of 4 or 5: 5 units	Areas 5A and 5C 4 semester units	6 semester units	Area 5A and 5C 4 semester units	5.3 semester units
Chinese Language & Culture	GE 3	Score of 3 CHIN 101 Score of 4 or 5: CHIN 101 & 102	Score of 3: 5 units Score of 4 or 5: 10 units	Area 3B 3 semester units	6 semester units	Area 3B 3 semester units	5.3 semester units
Computer Science A	GE 2	Score of 3, 4, 5: CS/IS 112	3 units	N/A N/A units	3 semester units <i>Maximum credit for AP Calculus or CS or A/AB exams is one exam</i>	N/A N/A units	5.3 semester units (Fall 2018 and later)
Computer Science Principles	GE 2	Score of 3, 4 or 5: N/A	3 units	Area 2 3 semester units	6 semester units	N/A 3 units	5.3 semester units
Economics-Microeconomics	GE 4.	Score of 3, 4 or 5: ECON 101	3 units	Area 4 3 semester units	3 semester units	Area 4 3 semester units	2.6 semester units
Economics-Macroeconomics	GE 4.	Score of 3, 4 or 5: ECON 102	3 units	Area 4 3 semester units	3 semester units	Area 4 3 semester units	2.6 semester units
English-Language & Composition	GE 1A	Score of 3, 4, 5: ENGL C1000	4 units	Area 1A 3 semester units	6 semester units	Area 1A 3 semester units	5.3 semester units <i>Maximum credit for both English Language/Composition and English Literature/Composition exams is 5.3 units</i>
English-Literature & Composition	GE 1A and 3	Score of 3, 4, 5: ENGL C1000	6 units	Area 1A and 3B 6 semester units	6 semester units	Area 1A or 3B 3 semester units	5.3 semester units <i>Maximum credit for both English Language/Composition and English Literature/Composition exams is 5.3 units</i>

AP Exam	GCC Associate Degree			CSU		UC	
Type of Exam	GCC GE Area	GCC Course Equivalent	Units Toward Degree	CSU GE Area	Units for CSU Admission	CAL-GETC Area	Units for UC Admission
				<i>for students NOT completing Cal-GETC</i>			
Environmental Science	GE 5	Score of 3, 4, 5: N/A	4 units	Area 5A and 5C 4 semester units	4 semester units	Area 5A and 5C 3 semester units	2.6 semester units
French Language & Culture	GE 3	Score of 3: FREN 101 Score of 4 or 5: FREN 101 & 102	Score of 3: 5 units Score of 4 or 5: 10 units	Area 3B 3 semester units	6 semester units	Area 3B 3 semester units	5.3 semester units
German Language & Culture	GE 3	Score of 3 or 4 or 5: N/A	3 units	Area 3B 3 semester units	6 semester units	Area 3B 3 semester units	5.3 semester units
Government & Politics-Comparative	GE 4	Score of 3, 4 or 5: POLS 102	3 units	Area 4 3 semester units	3 semester units	Area 4 3 semester units	2.6 semester units
Government & Politics-United States	GE 4 or 7	Score of 3, 4 or 5: POLS C1000* <i>*Students planning to transfer to a CSU will still need to complete a CA government course to graduate from the CSU</i>	3 units	Area 4 & US 2 3 semester units	3 semester units	Area 4 3 semester units	2.6 semester units
History-European	GE 3 or 4	Score of 3, 4 or 5: HIST 170 & 180 (Previously HIST 101 & 102)	6 units	Area 3B or 4 3 semester units	6 semester units	Area 3B or 4 3 semester units	5.3 semester units
History-United States	GE (3 or 4) & 7	Score of 3, 4 or 5: HIST 117 & 118	6 units	Area (3B or 4) & US-1 3 semester units	6 semester units	Area 3B or 4 3 semester units	5.3 semester units
World History - Modern	GE 3 or 4	Score of 3, 4 or 5: HIST 102 (Previously HIST 141)	3 units	Area 3B or 4 3 semester units <i>Effective Fall 2019</i>	3 semester units	Area 3B or 4 3 semester units	5.3 semester units
Human Geography	GE 4	Score of 3, 4 or 5: GEOG 102	3 units	Area 4 3 semester units	3 semester units	Area 4 3 semester units	2.6 semester units
Italian Language & Culture	GE 3	Score of 3: ITAL 101 Score of 4 or 5: ITAL 101 & 102	Score of 3: 5 units Score of 4 or 5: 10 units	Area 3B 3 semester units	6 semester units	Area 3B 3 semester units	5.3 semester units
Japanese Language & Culture	GE 3	Score of 3: JAPAN 101 Score of 4 or 5: JAPAN 101 & 102	Score of 3: 5 units Score of 4 or 5: 10 units	Area 3B 3 semester units	6 semester units	Area 3B 3 semester units	5.3 semester units
Latin	GE 3	Score of 3, 4 or 5: N/A	3 units	Area 3B 3 semester units	6 semester units	Area 3B 3 semester units	2.6 semester units <i>Offered May 2013 and beyond</i>
Music Theory	GE 3	Score of 3, 4 or 5: MUSIC 211 (Previously MUSIC 102)	3 units	N/A N/A units	6 semester units	N/A N/A units	5.3 semester units
Physics 1 Algebra Based	GE 5	Score of 3, 4 or 5: PHY 110	4 units	Areas 5A and 5C 4 semester units	4 semester units	Area 5A and 5C 4 semester units	5.3 semester units ^{oo} <i>^{oo}Maximum credit for all Physics exams is 5.3 semester units.</i>
Physics 2 Algebra Based	GE 5	Score of 3, 4 or 5: PHY 110	4 units	Areas 5A and 5C 4 semester units	4 semester units	Area 5A and 5C 4 semester units	5.3 semester units ^{oo} <i>^{oo}Maximum credit for all Physics exams is 5.3 semester units.</i>
Physics C Electricity/Magnetism	GE 5.	Score of 3, 4 or 5: PHY 110	4 units	Areas 5A and 5C 4 semester units	4 semester units	Area 5A and 5C 3 semester units	2.6 semester units ^{oo} <i>^{oo}Maximum credit for all Physics exams is 5.3 semester units.</i>
Physics C Mechanics	GE 5.	Score of 3, 4 or 5: PHY 110	4 units	Areas 5A and 5C 4 semester units	4 semester units	Area 5A and 5C 3 semester units	2.6 semester units ^{oo} <i>^{oo}Maximum credit for all Physics exams is 5.3 semester units.</i>

AP Exam	GCC Associate Degree			CSU		UC	
Type of Exam	GCC GE Area	GCC Course Equivalent	Units Toward Degree	CSU GE Area	Units for CSU Admission	CAL-GETC Area	Units for UC Admission
				<i>for students NOT completing Cal-GETC</i>			
Precalculus	GE 2.	Score of 3 MATH 110A Score of 4 or 5: MATH 110	Score of 3 3.5 units Score of 4 or 5 5 units	Area 2 3 semester units	3 semester units	N/A N/A units	N/A
Psychology	GE 5.	Score of 3, 4 or 5: PSYC C1000	3 units	Area 4 3 semester units	3 semester units	Area 4 3 semester units	2.6 semester units
Spanish Language & Culture	GE 3	Score of 3: SPAN 101 Score of 4 or 5: SPAN 101 & 102	5 units 10 units	Area 3B 3 semester units	6 semester units	Area 3B 3 semester units	5.3 semester units
Spanish Literature & Culture	GE 3.	Score of 3, 4 or 5: SPAN 124H	3 units	Area 3B 3 semester units	6 semester units	Area 3B 3 semester units	5.3 semester units
Statistics	GE 2.	Score of 3, 4 or 5: STAT C1000	4 units	Area 2 3 semester units	3 semester units	Area 2 3 semester units	2.6 semester units

Students should speak with a counselor before taking a course that duplicates content covered in the AP exam, as they may not receive credit for both.

To learn more about how CSU awards credit for AP exams, visit their CSU Systemwide Credit for External Exams website: <https://calstate.policystat.com/policy/17947386/latest/#autoid-qjbn9>
To learn more about how UC awards credit for AP exams, visit their AP credits website: <https://admission.universityofcalifornia.edu/admission-requirements/ap-exam-credits/ap-credits/>

CREDIT FOR INTERNATIONAL BACCALAUREATE EXAMINATIONS

GCC recognizes the International Baccalaureate (IB) Higher Level (HL) Examinations. Students who have completed IB HL examinations with scores of 5 or higher (unless noted otherwise) may receive credit at GCC as indicated here in the catalog or www.glendale.edu/IB. Credit awarded through IB exams may be used to satisfy GCC's General Education requirements or Cal-GETC requirements. Course credit is granted for IB exams if the division concerned has determined that the material covered is comparable to a specific course offered within that division. It is the student's responsibility to petition for credit through the Admissions and Records Office. Credit awarded for IB exams shall not be counted toward the 12 semester units of credit in residence required to earn an associate degree. Credit for IB exams will only be granted during the fall and spring semesters to students who have successfully completed or are enrolled in at least 12 units at GCC.

Note: The awarding of IB credit for courses on the GCC transcript does not ensure their transferability to four-year institutions. Each college and university grants IB credit according to its own policy. GCC may grant more or less units of credit than the transfer institution awards. IB credit for the major may require higher scores or may not be accepted at all. Students planning to transfer should consult the catalog(s) of the transfer institution(s) to determine how IB credit is granted for the purpose of admission, general education, and the specific major prior to petitioning for credit. Students should speak with a counselor before taking a course that duplicates content covered in the IB exam, as they may not receive credit for both..

CREDIT FOR MILITARY TRAINING

Glendale College will recognize and grant credit to veterans for educational training completed in the armed forces provided such credit is not a duplication of work taken previously. College work completed through the United States Armed Forces Institute will be accepted. In order to receive credit for military training, veterans must petition for such credit and present authentic military service and training records including a copy of discharge papers showing an honorable discharge.

Applicants desiring credit for military training will be required to provide appropriate documents before credit for military service can be granted (see page 16). Credit allowed would be recorded as unit credit (3 units) for Hygiene (Health 104) and unit credit (2 units) for Physical Education toward the Associate Degree.

CREDIT FOR INTERNATIONAL BACCALAUREATE EXAMINATIONS

IB Exam	GCC Associate Degree			CSU		UC	
Type of Exam	GCC GE Area	GCC Course Equivalent	Units Toward Degree	CSU GE Area	Units for CSU Admission	CAL-GETC Area	Units for UC Admission
Biology HL	GE 5.	Score of 5, 6, or 7: BIOL 122	4 units	Score of 5, 6, or 7: Area 5B 3 semester units	6 semester units	Score of 5, 6, or 7: Area 5B (no lab) 3 semester units	5.3 semester units
Business Management HL	N/A	Score of 5, 6, or 7: N/A	N/A	N/A	N/A	Score of 5, 6, or 7 N/A	5.3 semester units
Chemistry HL	GE 5	Score of 5, 6, or 7: N/A	3 units	Score of 5, 6, or 7: Area 5A 3 semester units	6 semester units	Score of 5, 6, or 7 Area 5A (no lab) 3 semester units	5.3 semester units
Computer Science HL	N/A	Score of 5, 6, or 7: N/A	3 units	N/A	N/A	Score of 5, 6, or 7 N/A	5.3 semester units
Dance HL	N/A	Score of 5, 6, or 7: N/A	3 units	N/A	N/A	Score of 5, 6, or 7 N/A	5.3 semester units
Economics HL	GE 4	Score of 5, 6, or 7: ECON 102	3 units	Score of 5, 6, or 7: Area 4 3 semester units	6 semester units	Score of 5, 6, or 7: Area 4 3 semester units	5.3 semester units
Film HL	N/A	Score of 5, 6, or 7: N/A	3 units	N/A	N/A	Score of 5, 6, or 7 N/A	5.3 semester units
Geography HL	GE 5	Score of 5, 6, or 7: GEOG 101	3 units	Score of 5, 6, or 7: Area 4 3 semester units	6 semester units	Score of 5, 6, or 7: Area 4 3 semester units	5.3 semester units
Global Politics HL	N/A	Score of 5, 6, or 7: N/A	3 units	N/A	N/A	Score of 5, 6, or 7 N/A	5.3 semester units
History (any region) HL	GE 3 or 4	Score of 5, 6, or 7: N/A	3 units	Score of 5, 6, or 7: Area 3B or 4 3 semester units	6 semester units	Score of 5, 6, or 7: Area 3B or 4 3 semester units	5.3 semester units
Language A Literature HL	GE 3	Score of 4, 5, 6, or 7: N/A	3 units	Score of 4, 5, 6, or 7: Area 3B 3 semester units	6 semester units	Score of 5, 6, or 7: Area 3B 3 semester units	5.3 semester units
Language A Language and Literature HL	GE 3.	Score of 4, 5, 6, or 7: N/A	3 units	Score of 4, 5, 6, or 7: Area 3B 3 semester units	6 semester units	Score of 5, 6, or 7: Area 3B 3 semester units	5.3 semester units
Language B (any language) HL	N/A	Score of 4, 5, 6, or 7: N/A	3 units	Score of 4, 5, 6, or 7: N/A	6 semester units	Score of 5, 6, or 7: N/A	5.3 semester units
Mathematics HL: Analysis and Approaches	GE 2	Score of 4, 5, 6, or 7: N/A	3 units	Score of 4, 5, 6, or 7: Area 2 3 semester units	6 semester units	Score of 5, 6, or 7: Area 2 3 semester units	5.3 semester units (2021 and later)
Mathematics HL: Applications and Interpretation	GE 2	Score of 4, 5, 6, or 7: N/A	3 units	Score of 4, 5, 6, or 7: Area 2 3 semester units	6 semester units	Score of 5, 6, or 7: N/A	N/A
Music HL	N/A	Score of 5, 6, or 7: N/A	3 units	Score of 4, 5, 6, or 7: N/A	N/A	Score of 5, 6, or 7: N/A	5.3 semester units
Philosophy HL	N/A	Score of 4, 5, 6, or 7: N/A	N/A	Score of 4, 5, 6, or 7: N/A	N/A	Score of 5, 6, or 7: N/A	5.3 semester units
Physics HL	GE 5	Score of 5, 6, or 7: N/A	3 units	Score of 5, 6, or 7: Area 5A 3 semester units	6 semester units	Score of 5, 6, or 7: Area 5A 3 semester units	5.3 semester units
Psychology HL	GE 4	Score of 5, 6, or 7: N/A	3 units	Score of 5, 6, or 7: Area 4 3 semester units	3 semester units	Score of 5, 6, or 7: Area 4 3 semester units	5.3 semester units
Social and Cultural Anthropology HL	GE 4	Score of 5, 6, or 7 N/A	3 units	N/A	N/A	Score of 5, 6, or N/A	5.3 semester units

IB Exam	GCC Associate Degree			CSU		UC	
Type of Exam	GCC GE Area	GCC Course Equivalent	Units Toward Degree	CSU GE Area	Units for CSU Admission	CAL-GETC Area	Units for UC Admission
Theatre HL	GE 3.	Score of 4, 5, 6, or 7 N/A	3 units	Score of 4, 5, 6, or 7: Area 3A 3 semester units	6 semester units	Score of 5, 6, or 7: Area 3A 3 semester units	5.3 semester units
Visual Arts HL	N/A	Score of 5, 6, or 7:	3 units	N/A	N/A	Score of 5, 6, or 7: N/A	5.3 semester units

Please cross-reference individual university campus catalogs to determine how IB examinations are granted for subject credit.

To learn more about how CSU awards credit for IB exams, visit their CSU Systemwide Credit for External Exams website: <https://calstate.policystat.com/policy/17947386/latest/#autoid-qz3mq>

To learn more about how UC awards credit for IB exams, visit their IB credits website <https://admission.universityofcalifornia.edu/admission-requirements/ap-exam-credits/ib-credits.html>

PASS/NO PASS COURSES (P/NP)

There are two categories of Pass/No Pass courses.

The first category consists of courses which must be taken on a P/NP basis only. Courses in this category include:

Accounting 121
Art 158, 288
Emergency Medical Technology 141
Internship 50 - (all except KIN 50) ADST
Mathematics 190
Nursing Science 201, 202, 203, 204, 216, 219, 255, 277
Nutrition 201
Physical Education 134
Real Estate 165
Student Development 100, 101, 103, 120, 125, 141, 143

The second category consists of courses at the student's option. The student must complete the Petition for Pass/No Pass and have it on file in the Office of Admissions and Records, or students can change the grading basis for a Class to Pass/No Pass through MyGCC no later than the established deadlines listed on the Petition for Pass/No Pass or Session Dates and Deadlines <https://www.glendale.edu/students/admissions-records/session-dates-deadlines>.

Students electing to take classes on a P/NP basis participate in the class as a regular student. If the grade awarded by the instructor is "C" or higher, the course grade is recorded as "P". If the instructor-assigned grade is "D" or "F," the course grade is recorded as "NP".

Units earned on a P/NP basis will not be used to calculate GPA's. However, units attempted for which "NP" is recorded shall be considered in progress probation and dismissal procedures.

Transfer institutions generally require letter grades in MAJOR or PREREQUISITE courses. Each university/college has its own policy regarding courses taken PASS/NO PASS. Therefore, each student is responsible for verifying the P/NP policy of the transfer institutions. Information can be obtained through each college's catalog. For questions regarding P/NP, please see an Academic Counselor. Once a petition is filed to take a class as P/NP, no student shall be permitted to change their enrollment to receive a letter grade of A to F.

FINAL EXAMINATIONS

At the end of each semester a final examination schedule is followed. Students must attend all classes in accordance with the schedule for that period. This arrangement permits the giving of final examinations in those classes which require them and the completion of the instructional program in the other classes. No student shall be excused from taking a final examination where such is required as part of a course.

GRADES, GRADE POINTS, AND GRADE-POINT AVERAGE

The standing of students in each course will be determined by class work and examinations. Grades will be reported and grade points allowed as follow:

- A - Excellent 4 grade points per unit
- B - Good 3 grade points per unit
- C - Satisfactory 2 grade points per unit
- D - Passing, Less than satisfactory 1 grade point per unit
- F - Failing..... 0 grade points
(cannot be removed by examination)
- P - Pass (Pass indicates a "C" grade or better—units, not counted in GPA)
- NP- No Pass (No Pass indicates lower than a "C" grade—units not awarded in GPA but included in computation of progress probation)

Grade-Point Average (GPA)

The GPA is computed by dividing the total number of grade points earned by the GPA units. A "W" notation does not enter into computation of the GPA. Also, such computations do not include the unit value of courses for which "P" or "NP" are recorded or for courses completed under the regulations established for credit by examination. If a course is repeated for the purpose of improving previous substandard work, the units attempted and grade points earned are counted according to the course repetition policy. An "I" made up carries the grade points per unit appropriate to the grade given on makeup.

Non-Evaluative Symbols

Units for which the following grading symbols have been assigned will not be counted in the computation of the GPA.

- I - Incomplete (Included in the computation of progress probation)
- W - Withdrawn (Included in computation of progress probation)
- EW - Excused Withdrawal - Withdrawal from a course(s) due to specific events beyond the control of the student affecting his or her ability to complete a course(s).
- MW - Military Withdrawal - To be used when student receives military orders
- IP - In Progress - To be used when class extends beyond the normal end-of an academic term
- RD - Report Delayed

An incomplete grade, "I", may be assigned for academic work not completed for unforeseeable emergencies and/or justifiable reasons at the end of the term. The instructor must complete the Contract for Award of Incomplete Grade including conditions for removal of the "I" and the grade to be assigned in lieu of the "I". The instructor will generate this contract when final grades are entered online. The student will have one year following the end of the term in which the "I" grade was assigned to complete the work as noted in the contract. This information will be sent to the student from the Admissions and Records office. A final grade shall be assigned when the work stipulated in the Contract has been completed and evaluated or when the time limit for completing the work has passed. Incomplete grades cannot be awarded after the submission of the class grades. There are no extensions to the Contract, and students cannot register in the course to complete the Incomplete. The course cannot be retaken until the Incomplete is resolved.

GRIEVANCE PROCEDURES

Glendale Community College District is committed to providing a prompt and equitable means of resolving student complaints against actions taken by the college and its employees. In accordance with applicable State and Federal laws, the district maintains grievance procedures that are available to any student who reasonably believes a college decision or action has adversely affected his or her status, rights, or privileges as a student.

What can a student grieve?

Students may file grievances against actions by GCC employees in areas including, but not limited to the following: the exercise of rights of free expression; violation of published GCC rules, Board policies, and administrative regulations; academic decisions that may affect a course grade; and the assignment of final course grades (according to prescribed legal limits).

Where can a student get a copy of the GCC student grievance procedures?

Copies of GCC Board Policy 5530 and Administrative Regulations 5530 can be obtained from a division chairperson, the Dean of Student Affairs, the Dean of Instructional Services, the Dean of Student Services, and the Director of Admissions and Records. Additionally, students may access these regulations on the GCC website at www.glendale.edu.

Non-Grade Grievances

A student may address a complaint about an action taken by a college employee that does not involve course grades through the grievance process. Informal meetings and discussions between persons directly involved in a non-grade grievance are essential at the outset of the dispute and are encouraged at all stages. If a student cannot resolve a non-grade grievance directly with the involved GCC employee, the student may request a meeting with the appropriate administrator/manager or division chairperson. The administrator/manager or division chairperson shall meet with the student and the employee in an attempt to resolve the issue and may meet with the student and GCC employee either jointly or separately. If no informal resolution is reached with the administrator/manager or division chairperson that is satisfactory to the student, the student may request an administrative hearing with the appropriate senior GCC administrator as follows: Instructional Services employees: Vice President, Instructional Services or designee; Student Services employees: Vice President, Student Services or designee; Administrative Services employees: Executive Vice President, Administrative Services or designee; College Administrators: Superintendent/President or designee.

The senior administrator shall meet with student and GCC employee either jointly or separately to attempt to settle grievance through mediation, negotiated agreement, or another mutually acceptable resolution. The final outcome or resolution will be communicated to the involved parties within ten instructional days after the conclusion of the hearing process.

Most complaints, grievances or disciplinary matters can be resolved at the campus level. This is the quickest and most successful way of resolving issues involving a California community college. Issues that are not resolved at the campus level may be presented to:

- The CCC Chancellor's Office if your complaint does not concern CCC's compliance with academic program quality and accrediting standards. Complete the web form at <http://californiacommunitycolleges.cccco.edu/ComplaintsForm.aspx>.
- The Chancellor's Office website at <http://extranet.cccco.edu/Divisions/Legal/Discrimination.aspx> if your complaint involves unlawful discrimination.
- The Accrediting Commission for Community and Junior Colleges (ACCJC) at <http://www.accjc.org/complaint-process> if your complaint is associated with the institution's compliance with academic program quality and accrediting standards. ACCJC is the agency that accredits the academic programs of the California Community Colleges.

Grade Appeals

This procedure provides a means of resolving a student's dispute of an academic decision (such as temporary removal from a lab or classroom setting) or the assigned final grade for a course. A student has the right initially to an informal review and explanation of his or her grade by the instructor who in turn is obligated to provide such a review. However, a student may only appeal a grade or academic decision if he or she is prepared to carry the burden of proving one or more of the following conditions as specified by law: a mistake in the assignment of the grade or in the process of its recording, fraud, bad faith, or incompetence.

A student shall initiate the process by filing a grade appeal with the instructor within the next regular semester (as specified in the applicable class schedule) following the award of the original grade. The student is expected to make a reasonable effort to resolve the matter on an informal basis with the instructor. If the student and instructor cannot settle the grade appeal, the student may request a meeting with the appropriate division chairperson. The division chairperson will then meet with the student and the instructor either jointly or separately to attempt to work out the grievance.

If the student cannot resolve the grade appeal with the instructor and division chairperson, then the student may request a conference with the appropriate dean. The dean will meet with the student and instructor either jointly or separately to resolve the grade appeal through compromise, negotiated settlement, or a recommendation that is satisfactory to all involved parties. If the dean is unable to resolve the complaint, and the student wishes to continue the grade appeal process, then the student may submit a written request to the Vice President, Instructional Services. If the issue continues to be unresolved a written appeal for a formal grade appeal hearing with the Campus Judicial Board.

The Campus Judicial Board will conduct a closed hearing and based on the examination of supporting documents and testimony may take the following actions: Accept the formal grade appeal and recommend an administrative grade change; reject the formal grade appeal; make related recommendations as appropriate.

The Board will issue a written decision that includes a determination of whether the student established a rationale for a grade change according to applicable laws, and recommendations for the relief, if any, that should be afforded to the student. These findings are then submitted to the Superintendent/President for a final review.

After receiving the report of findings and recommended actions from the Campus Judicial Board, the Superintendent/President will issue a written decision to the involved parties that include his or her conclusions and directives. The Superintendent/President's decision shall be final and binding in all formal grade appeal hearings.

Subject	Step 1	Step 2	Step 3	Step 4	Step 5
Academic Honesty	Instructor	Division Chair	Dean of Instruction	Vice President of Instructional Services	Judicial Board
Accessibility Matters	Program Manager, Center for Students with Disabilities		Vice President of Student Services		
Admission and Registration	Director of Admission and Records		Vice President of Student Services		
Student Misconduct	Instructor/ Staff Member	Division Chair/ Supervisor		Vice President of Human Resources	Judicial Board
Discrimination or Harassment	Vice President, Human Resources				
Sexual Misconduct	Vice President of Student Services				
Financial Aid	Assistant Director of Financial Aid		Vice President of Student Services		
Grade Appeals	Instructor	Division Chair	Dean of Instruction	Vice President of Instructional Services	Judicial Board
Non-Grade Grievances	Instructor/ Staff Member	Division Chair/ Supervisor		Appropriate Vice President	
Student Equity and Access	Program Manager, Student Equity and Access		Dean of Student Affairs	Vice President of Student Services	
Residency	Director of Admission and Records		Vice President of Student Services		
College Police and Parking	College Police Department	Chief of Police		Superintendent/President	

HONORS

Honors at Entrance

Honors at Entrance is granted to selected graduates of accredited United States high schools who have obtained a 3.5 or higher in their sophomore and junior years and first semester of the senior year. The student must be a first-semester-freshman and be enrolled in the college full-time. Students must apply for Honors at Entrance and submit official copies of their high school transcripts to the Office of Admissions and Records. Grades in physical education and military science courses are not included when calculating the GPA.

Dean's Honors

All students who are in good standing and whose semester grade-point average is 3.50 or higher in 12 or more units; 3.75 to 3.99 in 9 to 11.5 units; or 4.00 in 6 to 8.5 units, with grades of A, B or C are eligible for Dean's Honors. An earned grade of NP or I disqualifies a student for Dean's Honors.

Dean's Honors will be posted each semester to the students' permanent academic records.

Academic Honors at Graduation

Academic Honors are awarded to students at graduation who have achieved a grade-point average of 3.5 or above in all degree-applicable work completed at Glendale Community College.

PETITIONS PROCEDURE

Students with extenuating circumstances warranting special consideration for adjustment or deviation from established procedures and policies of the college may file a petition with the Office of Admissions and Records. The Petition to Waive College Requirement must be supported with appropriate documentation.

The notation of withdrawal "W" or excused withdrawal "EW" is not expunged from a transcript for any reason other than California Education Code, Title 5, Section 55024.

REMEDIAL COURSEWORK LIMIT POLICY

Glendale College offers remedial coursework through pre-collegiate basic skills courses in reading, writing, learning skills, study skills, mathematics, and English as a Second Language. These courses are designated as non-degree applicable credit courses. The Superintendent/President or designee shall establish administrative regulations on remedial coursework. (Title 5, Section 55002)

STANDARDS OF SCHOLARSHIP

Glendale Community College interprets a "C" average as a satisfactory scholarship standard.

Students who fail to maintain satisfactory scholarship shall be placed on academic or progress probation and shall be dismissed.

1. Academic Probation

A student shall be placed on academic probation if the student has attempted a minimum of 12 semester units of work and has a cumulative grade point average of less than a "C" (2.0)

2. Progress Probation

A student who has enrolled in a cumulative total of at least twelve (12) semester units shall be placed on progress probation if the percentage of all units in which a student has enrolled for which grades of "W", "I" and "NC" or "NP" are recorded reaches or exceeds fifty percent (50%).

3. Dismissal

a. A student on probation (academic, progress or a combination of both) who earns any form of probationary status during enrollment at the end of the third consecutive semester of attendance shall be dismissed and shall not be reinstated until at least one semester (fall or spring) has elapsed after the dismissal. Students on dismissal are only allowed to enroll in a short term session for winter or summer.

b. A student having been readmitted on probation after academic dismissal must maintain a grade-point average of at least 2.0 and must not be placed on progress probation. If either the grade-point average falls below 2.0 or the student is assigned the progress probation status, that student shall again be dismissed for one semester (either fall or spring).

Appeal of Dismissal

Following the notification of dismissal from the college, students may appeal the dismissal action by filing a reinstatement petition with the Director of Admissions and Records. The written petition must include the extenuating and verifiable circumstances that warrant an exception to the dismissal action. The petition must be filed with the time lines outlined below or the student waives the rights to appeal the dismissal action.

If the appeal is approved, the student shall be required to participate in a prescribed intervention and complete a reinstatement contract, which shall include the maximum number of units in which he/she shall enroll. Failure to comply with terms and conditions of contract may result in a subsequent dismissal.

Timeline for Appeals

Appeals for reinstatement must be received by the Director of Admissions and Records by due date listed on the petition.

Financial Aid Satisfactory Progress (SAP)

In order to receive financial aid, students must meet the Glendale Community College Standards of Scholarship. In addition, students are expected to meet the following standards required to maintain eligibility for federal or state financial assistance.

Eligible Program—A student must be enrolled in an educational program which leads to a degree or certificate that the student has not previously earned and which requires at least two semesters of study. There are a few programs at GCC that are NOT eligible for financial aid. For more information regarding ineligible programs, please contact the financial aid office.

Review of Previous College Records—Students are expected to make satisfactory progress according to the College's standards of scholarship during all periods of enrollment whether or not they are receiving financial aid. Previous enrollment at Glendale College and units transferred from other institutions will be included in determining the student's maximum time frame and SAP requirements for remaining eligibility for Title IV funds.

Course Repetitions — Course repetitions within federal policy will be allowed. Students on contract may repeat a course they have previously failed if it is necessary for completion of the degree or certificate, listed on their SEP and approved by a counselor. Students may repeat, with aid, the previously failed course or courses until they receive a passing grade in the course (no F, I, W, EW grades). Students on contract may repeat a course they have previously passed one time only if it is necessary for the degree or certificate, listed on the SEP and approved by a counselor.

Financial Aid Satisfactory Academic Progress (SAP) Standards

1. Complete Educational Goal Within Maximum Time Frame

Students pursuing a degree or transfer program are required to complete their program within 150% of the credits required for that program. All attempted units, including units transferred from other colleges, are included in this calculation, except for up to 30 units remedial or ESL units. Attempted units are units in which the student received a grade, W, EW or P/NP. Students not meeting this standard are placed on Term Dismissal. Students exceeding these maximums are placed on Term Dismissal. Students with prior degrees are automatically placed on Term Dismissal.

2. Successful Progression Toward Educational Goal

Students must successfully complete at least 66.67% of all attempted units to meet financial aid eligibility requirements. Attempted units are any units in which the student is enrolled beyond the deadline to drop the class. All attempted units, including units transferred from other colleges, are included in this calculation. Units with grades of F, W, EW, NP and IP are not successfully completed.

3. Maintain a 2.0 Grade Point Average Requirement

Students must maintain an official GCC cumulative Grade Point Average (GPA) of at least 2.0 to be eligible for financial aid programs. Grades transferred in from other colleges are included in this calculation.

SAP Warning and Dismissal

Students' compliance with Financial Aid Satisfactory Academic Progress Standards is measured each semester. Students who are warned that they are in danger of not meeting one or more of the Financial Aid Satisfactory Academic Progress standards must meet the standard(s) by the end of the semester in order to remain eligible for financial aid. Students not meeting this standard after the "Warning" semester are placed on SAP Dismissal and are no longer eligible for financial aid.

TD Warning and Dismissal

Students' compliance with completing their educational goal within the 150% maximum time frame is measured each semester. Students will be placed on Term Dismissal warning once they reach the total units required to complete their educational goal. Students not meeting this standard after the "Warning" semester are eventually placed on TD Dismissal and once they reach the 150% maximum time frame for their educational goal, will no longer be eligible for financial aid.

Appeal Process for SAP Dismissal or Term Dismissal

Students may appeal their SAP Dismissal or Term Dismissal from financial aid if failure to meet SAP requirements is due to mitigating circumstances beyond the student's control. The appeal should include documentation of the mitigating circumstances. Not all appeals are approved. Students appealing a dismissal as a result of not meeting progress standards may be reinstated for one semester and must meet all Satisfactory Academic Progress standards by the end of that semester. Students appealing a dismissal due to exceeding the Maximum Time Frame for completing an eligible program may be allowed to continue on a Financial Aid Contract. Only the courses on the Financial Aid Contract will count toward financial aid eligibility and must be successfully completed for the student to remain eligible for financial aid. Appeal approvals are effective as of the semester the appeal is submitted and are not retroactive to prior semesters.

Appeals to Count the Higher Grade and for Academic Renewal may impact your financial aid eligibility. Please consult a financial aid advisor if you are pursuing one of these appeals.

Academic Dismissal

Students who are placed on Academic Dismissal by the College are not eligible for financial aid. There is no Financial Aid appeal process for this status.

Appeal process for Loss of the CA College Promise Grant (formerly the BOG Fee Waiver)

Students who are eligible for the CA College Promise Grant must meet the Glendale Community College Standards of Scholarship for Academic AND Progress Probation.

If a student fails to meet the minimum requirement for academic and/or progress probation for two (2) consecutive primary terms they will lose their CA College Promise Grant eligibility. Students may appeal the loss of their CA College Promise Grant with the Financial Aid Office if failure to meet academic and/or progress probation is/was due to one of the following extenuating circumstances:

- Verified accident, illness, or other circumstances beyond your control
- Changes in economic situation
- Evidence of inability to obtain essential support services
- Disability accommodations not received in a timely manner
- Successful appeal based on significant academic improvement

In Addition, a student can be reinstated if he/she:

- Improves his/her cumulative GPA or course completion to meet the academic and progress standards
- Not attend GCC for two consecutive primary terms (any combination of fall/spring semesters)

STANDARDS OF STUDENT CONDUCT

The Standards of Student Conduct provide a prompt and equitable means to address alleged student violations of the college's behavioral regulations. Students who violate college policies and behavioral regulations shall be subject to the disciplinary procedures outlined in the *Standards of Student Conduct*, GCC Administrative Regulation 5500. These procedures are not intended to substitute for criminal or civil proceedings that may be initiated by other agencies.

Prohibited conduct that may subject a student to disciplinary sanctions includes, but is not limited to the following:

1. Disruption of the orderly operation of the college including, but not limited to the delivery of GCC instructional, administrative, or student services programs and functions; campus activities sponsored or sanctioned by GCC; other authorized non GCC activities when the act occurs on GCC premises. Disruptive behavior, willful disobedience, habitual profanity or vulgarity, or the open and persistent defiance of the authority of, or persistent abuse of GCC employees.
2. Engaging in expression which is obscene, libelous or slanderous, or which so incites students as to create a clear and present danger of the commission of unlawful acts on GCC premises, or the violation of GCC policies and regulations, or the substantial disruption of the orderly operation of the college.
3. Violation of published GCC rules, board policies, and administrative regulations.
4. Dishonesty, forgery, alteration or misuse of GCC documents, applications, forms, records or identification; or knowingly furnishing false information to GCC.
5. Unauthorized entry upon or use of GCC facilities. Unauthorized possession or duplication of keys to any GCC premises, entry into or use of any GCC premises, or use of GCC supplies and/or equipment.
6. Cheating, plagiarism, or other violations of GCC policies and administrative regulations governing academic honesty as defined in GCC Administrative Regulation 5501.
7. Violation of GCC board policies and regulations governing the use of computer, electronic, digital and communications technology.
8. Gaming, gambling, or participating in other activities for the purposes of wagering or betting funds.
9. Soliciting or assisting another to perform any act that would violate the Standards of Student Conduct and subject a student to disciplinary sanctions.
10. Lewd, indecent or obscene conduct or expression on GCC owned or controlled property, or at GCC sponsored or supervised functions.
11. Violation of federal, state, or local law on GCC premises, or at GCC sponsored or supervised activities.
12. Failure to comply with directions of GCC employees who are acting within the scope of their job responsibilities.
13. Unlawful possession, use, sale, offer to sell, or furnishing, or being under the influence of, any controlled substance listed in Sections 11053 et seq. of California Health and Safety Code an alcoholic beverage, or an intoxicant of any kind; or unlawful possession of, or offering, attending or negotiating the sale of any drug paraphernalia, as defined in Section 11014.5 of California Health and Safety Code except as expressly permitted by GCC regulations.
14. Presence on campus or at a college-sponsored function while under the influence of narcotics, other legally controlled substances, or alcoholic beverages except as expressly permitted by law and GCC regulations.
15. Abusive behavior directed toward, or hazing of, a member of the campus community or a college visitor.
16. Illegal or unauthorized possession or use of firearms, explosives, other weapons, or dangerous chemicals. Possession, sale or otherwise furnishing any firearm, knife, explosive or other dangerous object, including but not limited to any facsimile firearm, knife or explosive, unless, in the case of possession of any object of this type, the student has obtained written permission to possess the item from Glendale Community College Police Department, which is concurred by the Superintendent/President or designee.
17. Sexual assault or sexual exploitation regardless of the victim's affiliation with GCC.
18. Sexual harassment of a member of the campus community or a college visitor including, but not limited to unwelcome sexual advances; requests for sexual favors; other verbal, non-verbal, or physical conduct of a sexual nature in violation of GCC board policies and administrative regulations on sexual harassment (GCC Administrative Regulations 3430 and 3540), and applicable State and Federal laws.
19. Engaging in harassing or discriminatory behavior based on disability, gender, gender identity, gender expression, nationality, race or ethnicity, religion, sexual orientation, or any other status protected by law.
20. Engaging in intimidating conduct or bullying against another member of the campus community or college visitor through words or actions, including direct physical contact; verbal assaults, such as teasing or name-calling; social isolation or manipulation; cyberbullying; threats; intimidation; harassment; coercion; or other conduct that threatens or endangers the health and safety of a member of the campus community or a college visitor.
21. Assault, battery, or any other physically abusive behavior that threatens or endangers the health and safety of a member of the campus community or college visitor.
22. Theft or attempted theft of GCC property, or property of a member of the college community or college visitor, or knowingly receiving stolen GCC property or private property on GCC premises.
23. Actual or attempted vandalism or destruction of GCC property, or property of a member of the campus community or college visitor.

24. Willful misconduct that results in injury or death to a member of the campus community or which results in cutting, defacing, or other injury to any real or personal property owned by GCC or on GCC premises.

25. The use of any electronic listening or recording device in any classroom without the prior consent of the instructor, except as necessary to provide reasonable accommodations for students with disabilities.

26. Unauthorized preparing, giving, selling, transfer, distribution, or publication, for any commercial purpose, of any contemporaneous recording of an academic presentation in a classroom or equivalent site of instruction, including but not limited to handwritten or typewritten class notes, unless authorized by the instructor in writing.

27. Willful or persistent smoking in any area where smoking has been prohibited by law or by GCC regulations as defined by GCC Administrative Regulation 3570.

28. Persistent, serious misconduct where other means of correction have failed to bring about proper conduct.

29. Hazing or attempted hazing of a former, current, or prospective student of the District.

Authorized disciplinary sanctions for violations of student behavioral regulations include, but are not limited to written reprimand, loss of privileges, restitution, temporary removal from class, suspension, and permanent expulsion. The college administers these sanctions through the *Standards of Student Conduct* and provides involved students with their due process rights guaranteed by State and Federal constitutional protections. Copies of the *Standards of Student Conduct* are available in the Student Affairs Office located in the J.W. Smith Student Center.

UNIT OF WORK

The credit value in semester units of each course is indicated after the title of the course under "Course Descriptions." Each unit represents one hour per week of lecture or discussion, or a longer time in laboratory or other exercises not requiring outside preparation. For each hour of lecture-discussion, two hours of preparation are assumed.

UNIT LIMITATIONS

The students' program of studies will vary according to their needs and objectives. Students registered in 12 or more units are classified as full-time students; those registered for less than 12 units are classified as part-time students. The academic load carried should be in line with the best combined judgment of the student and the counselor. The college recommends that students who are working 20 hours per week should carry no more than 10 units; 30 hours per week, no more than 8 units; and 40 hours per week, no more than 6 units. Individuals having health problems should make proportionate adjustments in their college programs.

Students may not register in more than 19 units, including wait-list units, in a fall or spring semester, 8 units during winter session and 10 units during summer session.

WITHDRAWAL/COURSE DROP POLICY

Once enrolled in courses, students are not considered dropped or withdrawn unless:

- They have dropped the course Online via MyGCC or
- They have dropped the course with an Add/Drop form in person at the Admissions & Records office.

A grade of "W" will not be made on the permanent academic record of a student who drops or is dropped from the course or from college:

- During the first two weeks of a semester-length course;
- During the first week of a course which is at least five weeks in length and less than a semester in length; or
- During the first 20% of a course which is less than five weeks in length

Students who drop or are dropped from semester length courses after the second week and prior to the end of the 12th week will receive grades of "W" on their permanent academic records.

In order to receive a grade of "W" in a five-week summer/winter session course, a student must drop by the end of the third week, and by the end of the fourth week for a six-week summer/winter session class.

Any courses of duration not listed above adhere to a pro rata schedule for deadlines.

A student must drop a course during the period stated to not receive a withdrawal notation (W). There are no extenuating circumstances to remove a "W" from a student record. If circumstances occur after the final drop date to receive a "EW", the student may petition (see page 48 of this section). Extenuating circumstances are verified cases of accident, illness or other circumstances beyond the control of the student. Such withdrawals or drops shall be recorded as a "EW".

Students not dropped or withdrawn from courses during the periods and circumstances described above will not be eligible for a notation of "W" and must be assigned a letter grade in the "A" through "F" category, or "P/NP" in those courses so designated.

According to California Education Code, Title 5, Section 55024, the number of times that a student may withdraw from a class is limited. See your counselor for procedures and policies.

GENERAL EDUCATION REQUIREMENTS ASSOCIATE OF ARTS/ASSOCIATE OF SCIENCE DEGREES

General Information

Glendale Community College shall confer the degree of Associate of Arts or Associate of Science upon a student who has satisfactorily completed all of the requirements for graduation.

Requirements

- A minimum of 60 degree applicable units, with a completion of the courses required in the major with a grade of "C" or better, or a "P" grade
- The student has achieved a minimum GPA of 2.0 for all units attempted in pursuit of the degree/certificate
- The AA or AS degree is granted to students who file a Petition for Graduation in the Office of Admissions and Records who are not on academic probation and have completed 12 semester units of the required college curriculum of 60 degree applicable semester units at Glendale Community College.

List of Associate in Arts/Science Majors

Biological Science (AS)	IT Technician II: Help Desk User Support (AS)
Biotechnology (AS)	IT Technician III (AS)
Business Administration (AA)	Interdisciplinary Humanities (AA)
Business Administration (4 options) (AS)	Liberal: Arts: Arts & Humanities (AA)
Choreographic Studies and Dance Techniques (AA)	Liberal: Arts: Science & Mathematics (AA)
Data Science (AS)	Liberal Arts: Social & Behavioral Sciences (AA)
Engineering (4 options) (AS)	Management (AS)
English (AA)	Marketing (AS)
English: Creative Writing (AA)	Mass Communications (AA)
Entertainment Art (AA)	Mathematics (AS)
Film, Television and Media Arts (AA)	Music (AA)
Foreign Languages (AA)	Photography (AA)
Health Science (2 options) (AS)	Physical Science (4 options) (AS)
Information Technology (AS)	Social Sciences (AA)
Insurance Specialist: Property & Casualty (AS)	Speech/Communications (AA)
	Theatre Arts (2 options) (AA)
	Visual Arts (3 options) (AA)

General Education may be completed by one of the following:

- GCC General Education Requirements
- Cal-GETC General Education Requirements

When a course required for a major is also an approved general education course, the course may be double-counted. However, units are only counted once to satisfy the 60-unit requirement for the AA or AS degree. **Courses appearing in more than one area may be used to satisfy only one area. Courses with an (*) are approved in the corresponding Cal-GETC area.**

Area 1: English Composition, Oral Communication, and Critical Thinking

One course from each 1A and 1B subject area. Minimum of 6 semester units or 8 quarter units.

1A: English Composition –

English C1000* (previously English 101), C1000E* (previously English 101+), C1000H* (previously English 101H)

1B: Oral Communication and Critical Thinking –

Business Administration 152

Communication Studies (previously Speech) C1000** (previously Speech 101), 100, 103, 104, 105

English C1001* (previously English 104), 102*, 102H*

English as a Second Language 155

Journalism 102, 106

Library 100

Philosophy 117

**Communication Studies C1000 meets the Cal-GETC Area 1C requirement

Area 2: Mathematical Concepts and Quantitative Reasoning

One course. Minimum of 3 semester units or 4 quarter units.

Business Administration 131

Computer Science/Information Systems 112, 125*, 135, 151, 270

Economics 127*

Mathematics 100*, 100+*, 101E*, 102, 102+, 103E*, 103E+*, 103EH*, 104E*, 104EH*, 105*, 105H*, 107*, 107H*, 108*, 108H*, 109*, 110*, 110A*, 110B*, 111*, 112*, 112+*, 113, 114, 132, 133*, 134*, 135*, 137*, 138, 139

Philosophy 117

Statistics C1000* (previously Mathematics 136), C1000E* (previously Mathematics 136+), C1000H* (previously Mathematics 136H)

Area 3: Arts and Humanities

One course. Minimum of 3 semester units or 4 quarter units.

American Sign Language 101, 102, 103, 104

Armenian 101, 102*, 115, 116*, 117*, 125*, 126*, 127*

Art 130, 132, 138, 150, 160, 186

Art History 101*, 101H*, 102*, 102H*, 103*, 104*, 105*, 106*, 107*, 108*, 111*, 112*, 113*, 115*, 116*, 118*, 119*, 120*, 121*, 125*, 199*

Child Development 154, 215

Chinese 101, 102*

Communication Studies (previously Speech) 106

Dance 100*, 102*

Economics 111*

English 103, 105*, 106*, 109*, 110*, 111*, 112, 114, 115, 117*, 118, 122*, 123*, 125*, 127*, 130*, 212

English as a Second Language 156

Filipino 101, 102, 115

Film, TV, and Media Arts (previously Media Arts) 100* (previously Media Arts 110), 101*, 102*, 103*, 104*, 106*, 107*, 108*, 112, 120, 212

French 101, 102*, 103*, 104*

History 101*, 102*, 102H*, 103*, 104*, 105*, 106*, 111*, 111H*, 113*, 115*, 116*, 117, 118*, 118H*, 119*, 120*, 121*, 122*, 131*, 132*, 133*, 133H*, 135, 136*, 152*, 170*, 180*

Humanities 105*, 105H*, 106*, 110*, 111*, 115*, 117*, 125*, 135*, 140*, 145

Italian 101, 102*, 103*, 104*, 130*

Japanese 101, 102*, 103*, 104*, 132*

Korean 101, 102*

Linguistics 101, 101H, 102, 102H, 103, 103H

Music 101*, 120*, 120H*, 121*, 122*, 124, 125*, 126*, 127*, 130, 211*

Philosophy 101*, 101H*, 115*, 116*, 119*, 120*, 121*, 130*

Photography 100, 101

Spanish 101, 102*, 103*, 104*, 115*, 124H*, 131*

Theatre Arts 100, 101*, 102*, 107*, 113, 124, 155

Area 4: Social and Behavioral Sciences

One course. Minimum of 3 semester units or 4 quarter units.

Administration of Justice 101

Anthropology 102*, 102H*, 103*, 104*, 105*, 114*, 150*

Business Administration 110

Child Development 135*, 142, 156, 160

Communication Studies (previously Speech) 108*, 115*, 120*

Economics 101*, 102*, 102H*, 111*, 170*

Ethnic Studies 110*, 120*, 121*, 123*, 125*, 132*, 164*, 165*, 166*

Geography 102*, 102H, 103*, 106*, 108, 110*, 170*, 171*

Health 104, 105*, 106*, 107, 108

History 101*, 102*, 102H*, 103*, 104*, 105*, 106*, 111*, 111H*, 113*, 115*, 116*, 117*, 118*, 118H*, 119*, 120*, 121*, 122*, 131*, 132*, 133*, 133H*, 135*, 136*, 152*, 170*, 180*

Humanities 105, 105H, 106, 110, 111, 115, 117, 125, 135, 140, 145

Linguistics 101*, 101H*, 102*, 102H*, 103*, 103H*

Mass Communications 101*

Philosophy 130

Political Science C1000* (previously Political Science 101), 101H, 102*, 103*, 104*, 108*, 111*, 114*, 115*, 170*, 171*

Psychology C1000* (previously Psychology 101), C1000H* (previously Psychology 101H), 104*, 104H*, 105*, 106*, 110, 113*, 115*, 131*, 150*, 170, 200*

Social Science 101*, 105*, 107, 110*, 120*, 127*, 130*

Sociology 101*, 101H*, 102*, 103*, 104*, 105*, 108*, 114*, 131*, 140*, 171*, 200*

Spanish 131

Area 5: Natural Sciences

One course. Minimum of 3 semester units or 4 quarter units.

Anthropology 101*, 110*

Astronomy 110*, 120*

Biology 101*, 102*, 112*, 115*, 120*, 121*, 122*, 123*, 123H*, 124, 125*, 125H*, 131, 140*, 141, 150, 298

Chemistry 101*, 102*, 105*, 106*, 110*, 120*, 121*, 298

Geography 101*, 107*, 155

Geology 101*, 101H*, 102*, 105*

Health 128

Kinesiology 151

Nutrition 125

Oceanography 115*

Physics 101*, 101H*, 102*, 103*, 105*, 106*, 110*

Psychology 103*

Area 6: Ethnic Studies

One course. Minimum of 3 semester units or 4 quarter units.

Ethnic Studies 110*, 120*, 121*, 123, 125, 132*, 164, 165, 166

Area 7: American Institutions

One course. Minimum of 3 semester units or 4 quarter units.

Economics 111

History 111, 111H, 116, 117, 118, 118H

Political Science C1000 (previously Political Science 101), 101H

Area 8: Lifelong Learning

One or more courses. Minimum of 3 semester units or 4 quarter units.

Athletics and Physical Education courses

Dance (activity courses only)

Emergency Medical Technology 140

Fire Technology 144

Health 101, 102, 104, 106

Physical Education courses

NOTE: The GCC general education requirements may change each year. It is the student's responsibility to check with a counselor each year for updated information.

DEGREE AND CERTIFICATE PROGRAMS

Associate in Arts/Science for Transfer (AA-T/AS-T)

Administration of Justice
 Anthropology
 Art History
 Biology
 Business Administration 2.0
 Communication Studies 2.0
 Early Childhood Education
 Economics
 Elementary Teacher Education
 English

Film, Television & Electronic Media
 Geography
 Geology
 History
 Journalism
 Kinesiology
 Mathematics
 Music
 Nutrition and Dietetics
 Philosophy

Physics
 Political Science
 Psychology
 Public Health
 Social Justice: Gender Studies
 Social Work & Human Services
 Sociology
 Spanish
 Studio Arts
 Theatre Arts

Associate of Arts Majors

Foreign Language

- Armenian Language
- French Language
- Italian Language
- Japanese Language
- Spanish Language

Graphic Design

Interdisciplinary Humanities

Liberal Arts: Arts & Humanities

Liberal Arts: Science & Mathematics

Liberal Arts: Social & Behavioral Sciences

Mass Communications

Music

Photography

Social Sciences

Speech/Communications

Theatre Arts

- Option 1 General
- Option 2 Acting

Visual Arts

- Visual Arts Art History
- Visual Arts Three Dimensional
- Visual Arts Two Dimensional

Business Administration
 Choreographic Studies and
 Dance Techniques
 English
 English: Creative Writing
 Entertainment Art

Film, Television and Media

- Film, Television and Media Arts
- Documentary Film Production
- Film Studies

Foreign Languages

Associate of Science Majors

Accounting
 Addiction Studies Counseling
 Administration of Justice
 Animation, Visual Effects, and Game Design
 Architectural Drafting & Design
 Art

Aviation and Transportation

- Aviation Administration
- **Pilot Training

Biological Science

Biotechnology

Business Administration

- Entrepreneurship/Small Business
- Financial Planning & Investment
- General Business
- International Business

Ceramics

Child Development

- Teacher
- Infant/Toddler
- School-Age Care
- Master Teacher
- Site Supervisor

Choreographic Studies & Dance Technique

Computer Applications and Business Office Technologies

- Administrative Assistant
- General Office

Computer Information Systems

Computer Science

Computer Software Technician

Dance Teaching

Data Science

Dietetic Services Supervisor

Digital Content Specialist

Electronics Technology Technician

Engineering

- Civil
- Computer Engineering
- Electrical Engineering
- Mechanical Engineering

Engineering Technology - CAD & Design Drafting

Fire Technology

Fitness Specialist

Healthcare Administration

Health Science

- Option A
- Option B

Information Technology

Insurance Specialist: Property & Casualty

IT Technician II: Help Desk User Support

IT Technician III

Machinist

Management

Marketing

Mass Communications

Mathematics

Medical Office

- Administrative Medical Assistant
- Medical Coding Assistant
- Medical Front Office

Music

Photography

- Digital Photography
- Photography

Physical Science

- Astronomy
- Chemistry
- Earth Science
- Physics

Real Estate Appraisal

Real Estate Broker

Registered Nursing

Restaurant Management

Sports Coaching

Web Development

Welding

**FA Ineligible

Certificates

Accounting
Addiction Studies Counseling
Administration of Justice
Animation, Visual Effects, and Game Design
Architectural Drafting & Design
Art
Aviation and Transportation
• Aviation Administration
• **Pilot Training
Biotechnology
Biotechnology Research Lab Assistant
Biotechnology Research Lab Technician
Business Administration
• Entrepreneurship/Small Business II
• Financial Planning & Investment II
• General Business
• International Business II
Ceramics
Child Development
• Teacher
• Infant/Toddler)
• School-Age Care
• Master Teacher
• Site Supervisor
Choreographic Studies & Dance Technique
Computer Applications and Business Office Technologies
• Administrative Assistant
• General Office
Computer Information Systems
Computer Science
Computer Software Technician
Dance Teaching
Data Analytics
Dietetic Services Supervisor
Digital Content Specialist
Electronics Technology Technician
Engineering
• Civil
• Electrical
• Mechanical, Aerospace, & Manufacturing

Engineering Technology - CAD & Design Drafting
Film, Television and Media
• Documentary Film Production
• Film Studies
Fire Technology
Fitness Specialist
Foreign Language
• Armenian Language
• French Language
• Italian Language
• Japanese Language
• Spanish Language
Graphic Design
Healthcare Administration
Insurance Professional II
Insurance Specialist Property and Casualty
Machinist
Management II
Marketing II
Mass Communications
Medical Office
• Administrative Medical Assistant
• Medical Coding Assistant
• Medical Front Office
Music
Photography
• Digital Photography
• Photography
Real Estate Appraisal
Real Estate Broker
Registered Nursing
Restaurant Management
Sports Coaching
Web Development
Welding

Certificates Non-Degree

Aviation and Transportation
• Flight Attendant
Business Information Worker
**Cal-GETC
Cinematography and Editing
**Cloud Computing
Computer Networking
Computer Programmer
Computer Support Technician
Creative Writing
**Cybersecurity Specialist
English as a Second Language
• Intermediate ESL: Academic and Career Preparation
• Advanced ESL: Business, Entrepreneurship & Management Pathway
• Advanced ESL: Health, Wellness & Public Safety Pathway
• Advanced ESL: Industrial Technology & Aviation Pathway
• Advanced ESL: Language & Communication Pathway
• Advanced ESL: People, Power & Perspective Pathway
• Advanced ESL: STEM Pathway
• Advanced ESL: Visual & Performing Arts Pathway
**Grip and Lighting

Human Resources Assistant II
Information Technology Technician
Music
• **Music History
• **Music Theory
• **Piano
• **Voice
• **World Music
Paramedic
Photography
• **Digital Photography Technician
• **Drone Photography
• **Photographic Lighting
• **Traditional Photography
Receptionist/Office Clerk
**Social Media Marketing I
Tax Preparer
Technical Theatre
Transitional Kindergarten
**Unix/Linux System Administrator
Verdugo Fire Academy
Verdugo Recruit Fire Academy

The certificates listed above meet Title 5 codes, and are approved by the California Community College Chancellor's Office. Certificates listed in any other publication (including on-line) that are not listed above may not be valid certificate programs. Please check with the Admissions Office.

****FA Ineligible**

MAJOR REQUIREMENTS FOR THE ASSOCIATE OF ARTS/SCIENCE DEGREES

The following is a list of the majors and certificate programs and their requirements that satisfy the Associate of Arts/Science degree(s) for Glendale Community College.

Please note: all courses used to satisfy the majors for the Associate degrees must be completed with a grade of "C" or better.

Certificate Programs are primarily business and technical programs for students desiring education beyond high school. These programs provide opportunities for students to prepare themselves for a wide variety of careers. In most cases these programs are planned without regard to transfer schools; however, many courses are transferable to four-year colleges or universities if students change their educational goals.

1. Certificates of Achievement shall be issued upon request by the Office of Admissions and Records to students who qualify by completing one of the occupation-centered curriculums. The student must have a grade of "C" or better in all courses constituting the certificate program.
2. To earn a certificate, students must complete the number of units required by the division. No certificate shall consist of less than 8 semester units.
3. At least 6 units of the required courses must be completed at Glendale Community College.
4. Students pursuing certificate programs of less than 16 units are not eligible for financial aid.
5. Students pursuing an Associate of Arts/Associate of Science degree need to complete one of the following: GCC general education requirements, Cal-GETC in addition to the certificate requirements.

ACCOUNTING AS DEGREE OR CERTIFICATE

Program Learning Outcomes: Upon completion of this program, students will be able to demonstrate the ability to read and understand the contents of a corporation's annual report. Students will be composing entry-level correspondence and respond to correspondence initiated by others. Students will be able to create, edit, and print worksheets using formulas and statistics, date and time, financial and logical functions to solve business information. Students must complete all required courses for a total of 34-35 units.

REQUIRED COURSES: ACCTG 101, 102, 120; BUSAD 101, 120; CABOT 105* or BUSAD 106, CABOT 270 or ACCTG 180; CS/IS 101.

A minimum of 5 units must be selected from the following: ACCTG 110**, 121, 130, 150, 155, 156, 157, 160, 165, 170, 175, 180***, 201, 202, 210, 220, 225, 230, 235; BUSAD 106***, 131, 135, 136; CABOT 106, 271; ECON 101, 102; INTERN 50 (ACCTG).

*CABOT 105 is appropriate for certificate students.

***If not used to fulfill CORE requirement

ADDICTION STUDIES COUNSELING AS DEGREE OR CERTIFICATE

This degree or certificate prepares students to perform counseling duties consistent with entry level addiction counselor positions in multiple levels of care. The 39-unit curriculum is an accredited and state approved and prepares graduates for the workforce with the required skills, competencies and standards to serve those afflicted with substance use disorders. **Program Learning Outcomes:** Upon completion of this program, students will be able to demonstrate the ability to utilize their counseling and cognitive abilities necessary to integrate the counselor skills and ethical standards learned in the preceding Alcohol/Drug Studies Counseling program courses. Students will be able to demonstrate the cognitive and counseling abilities necessary to integrate the counselor competencies and standards learned in a two year Alcohol/Drug Studies Counseling program, including evidence-based theory and competencies inherent in entry level alcohol/drug counselor positions. Program Learning Outcomes include; appropriate evaluation and assessment, application of case management skills, application of group and individual counseling methodologies and creating and adhering to treatment planning standards of care. Student must complete the core courses and selected courses from each section as designated, for a total of 39 units.

CORE CURRICULUM (9 units): ADST 101, 103, 105, 114.

BEHAVIORAL COURSES: REQUIRED: PSYCH 101.

REQUIRED SKILL COURSES: ADST 110, 112, 119.

REQUIRED INTERNSHIP COURSES (8 units): ADST 50 and ADST 152, 153.

Select 3 units: ADST 111.

FIELD EXPERIENCE (4 units): ADST 154.

ADMINISTRATION OF JUSTICE AS DEGREE OR CERTIFICATE

This degree or certificate is designed to provide a broad-based education in the areas of law enforcement, corrections and the judicial system. The program is appropriate for students seeking employment as a law enforcement officer, correctional officer, probation or parole officer, or as a legal professional such as a paralegal or attorney. Students will demonstrate an understanding of the major components and function of the criminal justice system in America. Students will demonstrate knowledge of criminal laws in California. Students will define ethics in law enforcement and the consequences of unethical behavior. Students must complete all required courses for a total of 30 units. **Program Learning Outcomes:** Upon completion of this program, students will demonstrate an understanding of concepts in: criminal law, law enforcement procedures, crisis intervention, legal aspects of evidence and forensic science; discuss the aspects of community relations; discuss the techniques used in investigation procedures; and discuss the different aspects of special crimes.

REQUIRED COURSES: ADMJ 101, 103, 110, 117, 118, 120, 134, 170.

A minimum of six units from the following: ADMJ 107, 108, 116, 129, 130, 165, 202.

RECOMMENDED COURSES: ADMJ 201, SPCH 101.

ANIMATION, VISUAL EFFECTS, AND GAME DESIGN AS DEGREE OR CERTIFICATE

This degree or certificate offers introductory to intermediate training to students in a range of entertainment production areas including 2-D storyboarding, 2-D and 3-D keyframe animation, 2-D and 3-D character, object, and environment design. This degree prepares students to transfer to 4-year degree programs in animation, visual effects, and game design and also enables artists with industry experience or prior degrees in art to learn new production skills. Students must complete all required core courses in order to reach 18-21 units. **Program Learning Outcomes:** Upon completion of this program, students will be able to Create 2-D and 3-D character designs, storyboards, or animations. Create video game play levels or assets.

REQUIRED COURSES: ART 130, 150, 152.

Select one of the following options:

ANIMATION DESIGN: ART 201, 205, 209, 210.

DIGITAL CHARACTER DESIGN: ART 231, 232, 245, 246

CHARACTER RIGGING & ANIMATION: ART 233, 234, 235.

ARCHITECTURAL DRAFTING AND DESIGN AS DEGREE OR CERTIFICATE

This degree or certificate is designed to prepare students to enter employment as an architectural drafter and designer in the building construction field, permit technician, and interior designer. Students will receive training in traditional and computer aided drafting, residential and commercial building design, interior design, building codes, and print reading. Students must complete the required courses for a total of 42 - 46 units. **Program Learning Outcomes:** Upon completion of this program, students will demonstrate techniques to accomplish drawings utilizing different computer aided design (CAD) software; develop a portfolio of their work (this portfolio will show the students best work from different classes within the department, discuss building construction techniques, principles, and building code); demonstrate skills in the production of working drawings of residential and commercial structures; and discuss how design/drawing techniques, application of the International Building Code (IBC), building construction techniques, and other standards affect the design of their structure.

REQUIRED COURSES: ARCH 101, 103, 105, 106, 120, 125, 130, 135, ENGR 109.

Select one course from option 1: ARCH 102 or 141 or 250

Select one course from option 2; ART 130 or 150

Select one course from option 3: BUSAD 152 or SPCH 101;

Select one course from the following: T ED 140*, ENGL 100*, 101, 102, 104.

Select one course from the following: T ED 142* or MATH 100 or 90.

*Units earned for this course may not be counted toward graduation.

ART AS DEGREE OR CERTIFICATE

Program Learning Outcomes: Upon completion of this program, students will be able to demonstrate skill in a broad range of media, materials and processes, define and use core concepts in 2D or 3D art, where applicable, produce original work that demonstrates a high level of craft, describe, analyze and provide criticism of works of art in various media, prepare and organize art works for exhibition, if applicable, and understand safe and hazard-free use of art materials and equipment. For students who are interested in art as a career, the following courses (from one of the two options) are required:

REQUIRED COURSES: ART 101, 102, 130, 131, 150, 152, 179, 280.

Select one of the following options:

TWO-DIMENSIONAL: ART 160, 166.

Select three units from: ART 138, 180, 186.

Select three units from: ART 164, 170, or PHOTO 101.

THREE-DIMENSIONAL: ART 138, 180, 186, 187, 190.

VISUAL ARTS - ART HISTORY AA DEGREE

The Art History A.A. degree introduces students to significant works of art from different time periods and cultures. We will analyze the cultural significance of art objects, use the specialized vocabulary of art history, and identify examples of art objects presented in the courses. **Program Learning Outcomes:** Upon completion of this program, students will be able to analyze cultural significance of art objects studied Identify specific examples of art Apply the specialized vocabulary of art history.

REQUIRED COURSES: ART 130; ARTH 101, 102.

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

VISUAL ARTS - TWO/THREE DIMENSIONAL AA DEGREE

Program Learning Outcomes: Upon completion of this program, students will be able to define and use core concepts in 2D and 3D art; demonstrate skill in a broad range of media, materials and processes; describe, analyze and provide criticism of works of art in various media; prepare and organize art works for exhibition, if applicable; understand safe and hazard-free use of art materials and equipment; produce original work the demonstrate a high level of craft; prepare artist statements, resumes and collateral written materials; and relate works of art to ideas from the study of art history and the humanities. Select one of the following:

TWO-DIMENSIONAL:

REQUIRED COURSES: ART 101 or 102, 130, 150.

Select three courses from the following: ART 131, 151, 152, 160, 164, 166, 170, 179, 280; PHOTO 101.

THREE-DIMENSIONAL:

REQUIRED COURSES: ART 101 or 102, 130, 138.

Select three courses from the following: ART 152, 157, 179, 180, 181, 186, 187, 190, 280.

AVIATION AND TRANSPORTATION AS DEGREE OR CERTIFICATE

AVIATION ADMINISTRATION

This degree or certificate is designed for those who wish to enter civil aviation work as clerks, agents, station and traffic managers, or fixed base operators. **Program Learning Outcomes:** Upon completion of this program, students will demonstrate an understanding of the differences and similarities between general aviation and commercial aviation; demonstrate the skills required to establish and manage airport operations; and identify effective techniques of flight training and flight school management.

REQUIRED COURSES: AT 120, 128; BUSAD 101; ENGL 101; PSYCH 101; SPCH 101.

A minimum of four units from the following: AT 121, 122, 123, 124, 125, 126, 127, 129, 131, 132, 134, 136; ACCTG 101, 102, 110; CS/IS 100, 101; ECON 101, 102.

PILOT TRAINING

Program Learning Outcomes: Upon completion of this program, students will demonstrate the skills required to successfully pass the FAA knowledge exam appropriate to the rating sought. Students will demonstrate an understanding of Federal Aviation Regulations and proficiency in cross country flight planning. Students will demonstrate practical skills required to pass FAA practical testing for the rating sought.

Training offered in this field:

1. Instruction: For those who wish to complete two years of college to become eligible to enter civil aviation as professional pilots.
2. Basic Pilot Training: Prepares the student for the FAA Private Pilot Airplane written examination for the Private Pilots License. Required course is AT 120.
3. Advanced Pilot Training: A program designed to give private pilots adequate aeronautical knowledge and experience necessary to enter the field as commercial pilots with an instrument rating as their career. To enter this program, it is recommended the student satisfactorily complete AT 120*.

REQUIRED COURSES: AT 112, 113, 120, 121, 122, 123, 124, 125.

RECOMMENDED COURSES: AT 134, 136.

*AT 120 may be taken credit by exam.

**AS/Certificate are Financial Aid Ineligible

BIOLOGICAL SCIENCE AS DEGREE

The AS degree in Biological Sciences provides a strong foundation for transfer to a 4 year university in order to complete a BS in Biology or related fields. It may also provide appropriate training for employment in medical, clinical, agricultural, and/or biotechnology laboratories, museums, and/or educational outreach. Students may petition to use IGETC for STEM majors in place of our local GE requirements. Students must complete all required core courses for a total of 39 units. **Program Learning Outcomes:** Upon completion of this program, students will be able to describe and demonstrate correct use of basic biology laboratory equipment; students will be able to critically examine biological data and present their findings; students will be able to create and interpret hypotheses of evolutionary relationships among groups of organisms.

REQUIRED COURSES: BIOL 101, 102; CHEM 101, 102, 105, 106; MATH 103E, 104E.

BIOTECHNOLOGY AS DEGREE

The AS degree in Biotechnology provides a strong foundation for transfer to a college (two- or four- year) to complete a BS in Biotechnology. It also prepares students with the foundation in microbiology, molecular and cell biology laboratory skills and soft skills that meet industry standards for employment in biotech industry (e.g. life science technician and biological science technician) and in academic research institutions. Students may petition to use IGETC for STEM majors in place of our local GE requirements. To gain authentic, hands-on research experience, students are recommended to take the BIOL 298 path and conduct the internship (BIOL 50) at a four-year college prior to transfer. Students must complete all required core courses for a total of 28-30 units. **Program Learning Outcomes:** Upon completion of this program, students will be able to Learn skills necessary for a lab technician job. Fulfill requirements for transfer to a college with a BS in Biotechnology. Master advanced biotechnology laboratory skills and good documentation practices. Acquire work-readiness skills

REQUIRED COURSES: BIOL 142, 50; CHEM 110; ENGL 101; MATH 100.

Select one of the following: (4-5 units) BIOL 101, 112, 122, 140

Select one of the following: (3-4 units) BIOL 141, BIOL 298

BUSINESS ADMINISTRATION AA DEGREE

This degree 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 -27 units. **Program Learning Outcomes:** Upon completion of this program, students will be able to recognize, analyze, and assess current economic challenges facing global and domestic businesses; analyze, evaluate, and explain business problems using basic concepts and terminology of accounting and finance; and understand and apply the four P's of marketing, business law, investments, and management.

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 AS DEGREE

ENTREPRENEURSHIP/SMALL BUSINESS

This degree equips students with the essential skills and knowledge to start and manage successful small businesses. This comprehensive program covers key areas such as business fundamentals, marketing, finance, and management. Students will learn to create effective business plans, set up payroll systems, and interpret financial data. Through a combination of core courses and electives, graduates will be prepared to launch their own ventures or contribute to existing small businesses with a solid foundation in entrepreneurial principles and practices. **Program Learning Outcomes:** Upon completion of this program, students will understand and apply the business skills necessary to start or manage a successful small business; be able to create a written business plan; and be able to set-up a payroll system and interpret the data from various forms.

REQUIRED COURSES: BUSAD 101, 162; ENTRE 101, 102; BUSAD 158 or ENTRE 103

Select one of the following: Accounting) ACCTG 130, 120

Select one of the following: (Writing) BUSAD 106; CABOT 105

Select one of the following: (Business) BUSAD 110, 120

Select two of the following: BUSAD 163, 165, 169; ACCTG 101

FINANCIAL PLANNING AND INVESTMENT

This degree equips students with the knowledge and skills to navigate the complex world of personal finance. Through a comprehensive curriculum, students will gain mastery of financial concepts, including the terminology of finance, time value of money, liquidity analysis, profitability assessment, and equity management. The program empowers students to apply the tools of investing to determine the appropriateness of various investment options. Additionally, students will develop the ability to create and interpret personal financial statements, such as income statements and balance sheets, enabling them to make strategic choices that lead to long-term financial stability and growth. **Program Learning Outcomes:** Upon completion of this program, students will be able to understand the terminology of finance and express themselves analytically using time value of money concepts, liquidity analysis, profitability analysis, and equity management concepts. Apply the tools of investing to determine the appropriateness of an investment. Develop and prepare a personal income statement and balance sheet..

REQUIRED COURSES: ACCTG 101; BUSAD 101, 131, 134, 136

Select one of the following: (Writing) BUSAD 106; CABOT 105

Select one of the following: (Computer) CABOT 260, CS/IS 100, 101

Select one of the following: (3 units) ACCTG 150; BUSAD 120, 135.

GENERAL BUSINESS

This degree is designed for students who are interested in a broad knowledge of business. Students completing this degree are interested in working in a medium or large business environment **Program Learning Outcomes:** Upon completion of this program, students will be able to recognize, analyze, and assess current economic challenges facing global and domestic businesses. Analyze, evaluate, and explain business problems using basic concepts and terminology of accounting and finance. Understand and apply the four P's of marketing, business law, investments, management, and marketing.

REQUIRED COURSES: ACCTG 101; BUSAD 101, 106, 110;

Select one course from the following: (Computer) CS/IS 100 or 101 or CABOT 260.

Select three courses from the following: (8 - 9 units) BUSAD 120, 131, 141, 144, 162. ENTRE 101, 103

INTERNATIONAL BUSINESS

This degree program presents the business concepts necessary to compete in the International Global Marketplace. It prepares students to import, export, and/or establish an overseas business presence. This program is designed for both the individual entrepreneur and the established company executive. Students will evaluate cross-cultural issues of marketing a product or service, explain the functions of the U.S. Customs Agency and other regulatory agencies, and describe the documentation required by each agency. **Program Learning Outcomes:** Upon completion of this program, students will be able to evaluate cross-cultural issues of marketing a product or service. Explain the functions of the U.S. Customs Agency and other regulatory agencies. Describe the documentation required by each agency.

REQUIRED COURSES: ACCTG 101; BUSAD 101, 170

Select one of the following: (Writing) BUSAD 106; CABOT 105

Select one of the following: (Computer) CABOT 260, CS/IS 100, 101

Select three courses from the following: (9 units) BUSAD 120, 158, 162, 178

CERAMICS

AS DEGREE OR CERTIFICATE

This degree or certificate is designed for students wishing to prepare for employment in the commercial ceramic industry. Emphasis is on job-related skills such as production forming techniques, surface design techniques, glaze formulation and application, chemical safety, and kiln technology. The certificate is also designed for those setting up their own production studios to work as independent artists. Students will demonstrate skill in a broad range of ceramic techniques, define and use core concepts used in the ceramic area, produce original work that demonstrates a high level of craft, and describe, analyze and provide criticism of ceramic work. Students must complete all required courses for a total of 27 units. **Program Learning Outcomes:** Upon completion of this program, student will be able to define and use core concepts used in the ceramic area; describe, analyze and provide criticism of ceramic work; produce original work that demonstrates a high level of craft; and demonstrate skill in a broad range of ceramic techniques.

REQUIRED COURSES: ART 130, 186, 187, 188, 190, 191, 192, 193, 195.

RECOMMENDED COURSES: ART 111.

CHILD DEVELOPMENT AS DEGREE OR CERTIFICATE

The following degree or certificate options are designed to support and encourage the professional development of students who aim for a career in: Infant, Toddler, and/or Preschool Education; School Age Child Care; and/or Early Childhood Administration and Supervision. Each certificate is aligned with the California Child Development Permit, which is issued through the California Commission on Teacher Credentialing. The permit enables an educator to move along a career ladder which supports a hierarchy of professional goals and competencies relative to employment and leadership. **Program Learning Outcomes:** Upon completion of this program, students will develop an understanding of young children, and of the multiple interacting influences on children's development and learning in order to create environments that are healthy, respectful, supportive and challenging for all children; understand and value the importance and complex characteristics of children's families and communities; use this understanding to create respectful, reciprocal relationships that support and empower families and involve families in their children's learning and development; articulate and understand the goals, benefits, and uses of observation and assessment, develop competence in the use of observation, documentation and assessment techniques and tools to support teaching and learning in partnership with families and other professionals; plan and implement developmentally appropriate, culturally and linguistically relevant experiences that promote and/or support development and learning for all young children; and identify as a member of the early childhood profession, understand and use ethical guidelines and other professional standards related to early childhood practice.

The following General Education courses are required for the Teacher — Preschool, Infant/Toddler or School Age Care, and Master Teacher certificates.

*Select 16 units from the Glendale College Associate Degree General Education area 9A-D (see AA/AS requirements) with at least one course from each of the following areas:

- 9a. Natural Science **OR** 9d.(2). Mathematics course
- 9b. Social Science
- 9c. Humanities
- 9d.(1). English Composition

For students completing an AS degree in Child Development, Glendale Community College requires that you satisfy additional courses in American Institutions/State & Local Government, U.S. History, Mathematics, Health, Physical Education, First Aid, Cultural Diversity, as well as the major. Please see Graduation Requirements areas 1-8 in the catalog.

TEACHER

This curriculum is designed for those students who plan careers in teaching in a preschool setting. The curriculum requires completion of 24 units of Child Development courses plus 16 units of General Education courses. This certificate is aligned with the California Child Development Permit, which is issued through the California Commission on Teacher Credentialing.

REQUIRED COURSES: CHLDV 133, 135, 138, 140, 141, 142, 150, 156, 181.

INFANT/TODDLER

This curriculum is designed for those students who plan careers in teaching in an infant/toddler education setting. The curriculum requires completion of 27 units of Child Development courses plus a minimum of 16 units of General Education courses, necessary for the California Child Development Permit.

REQUIRED COURSES: CHLDV 133, 135, 138, 140, 141, 142, 147, 150, 156, 180.

SCHOOL-AGE CARE

This curriculum is designed for those students who plan careers in teaching in a school-age child care setting. The curriculum requires completion of 27 units of Child Development courses plus 16 units of General Education, necessary for the California Child Development Permit.

REQUIRED COURSES: CHLDV 133, 135, 137, 138, 140, 141, 142, 150, 156, 182.

MASTER TEACHER

This curriculum is designed for those students who plan teaching careers in an early childhood setting. The program requires completion of the 27 units of Child Development curriculum plus 16 units of General Education courses, necessary for the California Child Development Permit.

REQUIRED COURSES: CHLDV 133, 135, 138, 140, 141, 142, 150, 156, 176, 180 or 181 or 182.

SITE SUPERVISOR

This curriculum is designed for those students who plan careers in early childhood administration and supervision. The program requires completion of 33 units in Child Development plus the completion of the requirements for the Associate in Science degree.

REQUIRED COURSES: CHLDV 133, 135, 138, 140, 141, 142, 150, 156, 174, 175, 176, 180 or 181 or 182.

CHOREOGRAPHIC STUDIES AND DANCE TECHNIQUES AA DEGREE

This program is designed to prepare students for transfer to four year institutions or to work in the dance industry. Students gain the knowledge, skills and abilities required to audition as commercial dancer, company dancer, or choreographer. Students must complete all required core courses for a total of 24.5 - 25 units. **Program Learning Outcomes:** Upon completion of this program, students will be able to integrate technical dance skills using correct body alignment and muscle coordination and compare various dance forms in relation to historical and cultural context.

REQUIRED COURSES: DANCE 100, 111, 116, 121, 129, 130, 131, 135 and 136, 140 or 127 or 128; BIOL 115.

CHOREOGRAPHIC STUDIES AND DANCE TECHNIQUE AS DEGREE OR CERTIFICATE

This degree or certificate is designed to provide academic and hands-on learning experience for individuals planning a career as dancer or choreographer in commercial dance or in dance companies. Students gain the knowledge, skills and abilities required to transfer to a four-year college or audition for work in the dance industry. Students must complete the required courses and choose additional courses to total a minimum of 25 units. **Program Learning Outcomes:** Upon completion of this program, students will be able to integrate technical dance skills using correct body alignment and muscle coordination and compare various dance forms in relation to historical and cultural context.

REQUIRED COURSES: DANCE 100 or 102; 114, 117, 122, 127, 129, 130, 135 or 136, 137, 190 or 194.

A minimum of six units from the following courses: ART 102, 125, 130; DANCE 124, 126, 127 or 128; HUMAN 115; KIN 157; MUSIC 101, 135, 230, 236, 237; T ART 101, 103, 104, 109, 123, 129, 134.

COMPUTER APPLICATIONS AND BUSINESS OFFICE TECHNOLOGIES AS DEGREE OR CERTIFICATE

ADMINISTRATIVE ASSISTANT

This degree or certificate prepares students for employment in an office setting performing clerical job duties, such as word-processing business correspondence, operating office equipment, micro-computer operation, scheduling appointments, coordinating and overseeing office functions. The coursework is comprised of traditional business concepts which encompass accounting principles, human relations as they apply to the business environment, general office procedures, written business communications, management speaking techniques, and Microsoft Office applications. Special emphasis is placed on providing comprehensive instruction in the structure, mechanics, and strategies of technical writing, as well as oral communications. Students will focus on the development and proper use of English vocabulary, both general and specialized, critical thinking and composition skills, effective speaking and interviewing techniques. Students must complete all required core courses for a total of 30-31 units. **Program Learning Outcomes:** Upon completion of this program, the student will be able to initiate and respond to correspondence effectively while using the latest automated technology, system software (Windows), and application software (Word, Excel, and Outlook) to perform more advanced skills; become familiar with Global information systems to be able to sign on to an account and use common utilities, including e-mail and Web browsers to search a variety of databases for information; acquire the necessary knowledge and skills of accounting and bookkeeping to be able to use journals and ledgers to prepare balance sheets and income statements and be able to translate accounting records into a basis for sound decision making in a variety of businesses; be able to use a variety of office procedures to perform such tasks as sorting mail, filing and processing documents; develop interpersonal skills to conduct and participate in job interviews, practice effective human relation skills in business, handle telephone conversations with ease, and develop skills to communicate more effectively with customers and other employees verbally; and type by touch at a minimum of thirty (30) words a minute and to create, edit, and format advanced features for any business document including forms, medical and legal forms, resumes, job applications, bibliographies, footnotes/endnotes, newsletters.

REQUIRED COURSES: BUSAD 106 or 152; CABOT 101, 102, 103, 104, 205, 208, 265, 270.

Select two courses from the following: ACCTG 110; BUSAD 110; CABOT 110, 266, 285.

GENERAL OFFICE

This degree or certificate is designed to train students to meet the needs for qualified office staff skilled in office procedures including filing and processing documents; writing and editing documents; communicating with employees and clients; and working with office technologies and Windows OS system software. Students must complete all required core courses for a total of 28 units. **Program Learning Outcomes:** Upon completion of this program, the student will be able to use a variety of office procedures to perform such tasks as sorting mail and answering telephones; filing and processing documents; edit and revise memos, e-mails, letters and reports; the student will be able to identify the personal traits that lead to effective human relation skills in business and develop skills to work more effectively with customers and other employees, including communicating with clients verbally face-to-face and over the telephone; the student will be able to perform basic operations in Word, Excel, Access, and PowerPoint; compose entry-level correspondence using appropriate business language and cohesive, grammatically correct sentences; become familiar with Global information systems and be able to sign on to an account and use common utilities including e-mail and Web browsers to search a variety of databases for information; the student will be able to utilize the Windows operating system and to understand basic computer terminologies; and the student will be able to type by touch at a minimum of thirty (30) words a minute and to create, edit, and format advanced features for any business document including forms, medical and legal forms, resumes, job applications, bibliographies, footnotes/endnotes, newsletters.

REQUIRED COURSES: BUSAD 110; CABOT 101, 102, 103, 104, 105, 110, 208, 205, 260.

COMPUTER INFORMATION SYSTEMS AS DEGREE OR CERTIFICATE

This degree or certificate is designed to prepare students for employment in the IT workforce as entry-level Programmers, entry-level Database Programmers, Application Analysts, Programmer Analysts, Business Analysts, System Analysts, PC Support Specialists, Technical Support, User Support Specialists and etc. Students will demonstrate their proficiency through performance in laboratory exercises and objective examinations. The student will analyze simple business or technical problems relevant to programming, and prepare solutions to them; implement a program in either C/C++ or Java, using objects; and demonstrate an understanding of the operations and processes of a computer relevant to programming. Students must complete all required core courses and select additional courses for a total of 32 units. **Program Learning Outcomes:** Upon completion of this program, the student will analyze simple business or technical problems relevant to programming, and prepare solutions to them; implement a program in either C/C++ or Java, using objects; and demonstrate an understanding of the operations and processes of a computer relevant to programming.

REQUIRED COURSES: BUSAD 106 or ENGL 101; CS/IS 101, 112, 151 or 135, 172, 190, 260.

Select at least eight units from the following: BUSAD 110; CS/IS 130, 135, 137, 139, 174, 193, 234, 261, 262, CS/IS 50 (3 units); ENTRE 101, 102.

COMPUTER SCIENCE AS DEGREE OR CERTIFICATE

This degree or certificate is designed for those students interested in computer science, either as a professional concentration, or for transfer to a four-year computer science program. Upon completion of this certificate program, students will be able to name the four basic parts of computer organization and have a working knowledge of assembly language. Students will be able to describe recursion, linked lists, queues, and stacks and algorithm efficiency, as well as, procedural, functional, logic and object-oriented programming languages. Students must complete the required courses and choose additional courses to total a minimum of 37 units. **Program Learning Outcomes:** Upon completion of this program, students will prepare a software project to implement a single scientific, mathematical, business, or technical function.

REQUIRED COURSES: CS/IS 165, 166, 211, 212, 280.

Select twenty units from the following: CS/IS 101, 112, 125, 130, 135, 137, 139, 172, 174, 190; MATH 103E, 104E, 107; PHY 101.

COMPUTER SOFTWARE TECHNICIAN AS DEGREE OR CERTIFICATE

This degree or certificate is designed to train students to meet the rapidly growing need for qualified hardware/software technicians, having a blend of hardware and software skills. Students will write a computer program using C/C++, Java, or Visual Basic. Students must complete all required CORE courses, and choose other courses from the additional courses listed to total 24 units. **Program Learning Outcomes:** Upon completion of this program, the student will write a computer program using either C/C++, Java, or Visual Basic; and demonstrate the ability to independently create, save, modify and print a document using a word processing program and appropriate assistive technology.

REQUIRED COURSES: CS/IS 101, 112 or 135, 190.

Select thirteen units from the following: BUSAD 106, 110; CS/IS 130, 137, 139; ENTRE 101, 102.

DANCE TEACHING AS DEGREE OR CERTIFICATE

This degree or certificate is designed to prepare students for transfer to four year institutions or enter the workforce teaching dance to all age groups in private studios, fitness centers, community centers, and school and after school programs. Students must complete the required courses and choose additional courses to total a minimum of 30 - 31 units. **Program Learning Outcomes:** Upon completion of this program, students will be able to teach technical dance skills using correct body alignment and muscle coordination, design dance lesson plans for children, adults, and seniors, and create dance programs for private studios, fitness centers, and community centers.

REQUIRED COURSES: DANCE 100, 107, 130, 135 or 136, 158; HLTH 101 and KIN 157 or BIOL 120; DANCE 50.

SELECT ONE OF THREE OPTIONS:

OPTION ONE — DANCE 114, 116, 121.

OPTION TWO — DANCE 111, 117, 121.

OPTION THREE — DANCE 111, 116, 137.

Select ix units from the following courses: DANCE 124, 125, 127, 131; BUSAD 158, 162; MUSIC 101; PSYCH 106; SOC S 101; T ART 173.

DATA SCIENCE AS DEGREE

This degree is designed to provide practical literacy of the mathematical, computational, and statistical methods and tools used by data scientists at all levels. The degree addresses key areas of knowledge in data science, such as matrix algebra, statistical analysis, and data visualization. Students will utilize computing technologies for large data applications. **Program Learning Outcomes:** Upon completion of this program, students will be able to Analyze and clean data in databases. Interpret and evaluate data trends, qualitative research, or patterns in complex data sets using statistical techniques, analytic methods, and tools. Create and monitor reports to preserve data quality, identify critical issues, ethical issue , trends in diversity and social justice, and potential solutions. Acquire knowledge of how to apply Python and/or Java, dashboards, and other tools to data science in the areas of analysis and communicating data representation. Obtain large data sets, process them, and analyze them utilizing techniques for matrix manipulation, data exploration, pattern identification, and inferences.

Required Courses: MATH 103E or 103E+ or 103EH

Select one of the following: MATH 104E or 104EH

Select one of the following: MATH 107 or 107H

Select one of the following: MATH 137, STAT C1000, C1000H, C1000E

Select one of the following: CS/IS 135, 112, 151

Select one of the following: CS/IS 211 or 270

Select one of the following: GEOG 155, PSYC 200, SOC 200, LIB 100; PHILO 116; MATH 108 or 108H or 105 or 105H; ENGR 156; CS/IS 125; ECON 101, 102 or 102H

DIETETIC SERVICES SUPERVISOR AS DEGREE OR CERTIFICATE

This degree or certificate prepares students to supervise healthcare facilities as food service supervisors in convalescent, nursing and retirement homes. The curriculum focuses on the fundamentals of culinary science, sanitation, nutrition, modified diets, and sound management practices. Students must complete all required core courses for a total of 23 units. **Program Learning Outcomes:** Students will demonstrate cooking techniques commonly found in professional food service establishments. Students will plan sanitation policies and practices at an ongoing food service establishment. Students will evaluate patients' nutritional needs and formulate appropriate diets.

REQUIRED COURSES: CULIN 111 or 112, 113, 116; HRM 256; NUTR 114, 118; NUTR 50 (3 units).

**DIGITAL CONTENT SPECIALIST
AS DEGREE OR CERTIFICATE**

This degree or certificate is designed to provide the creative and technical skills to create, edit, optimize, and distribute digital content including web graphics, photographic images, and video. Completers will be able to develop, deploy, and manage web servers and optimize digital content for deployment on client side websites. The program will provide the employment skills required for Digital Content Creators, Digital Content Managers while providing skills to support Photographers, Graphic Designers and Video Editors. This program requires 23 units. **Program Learning Outcomes:** Upon successful completion of the required coursework the student will be able to design, create, and manage webpages using current software and technology; produce, optimize, and distribute industry-ready image, video and photographic content for the Web and mobile devices; create and manage a client-side Web site and server; create, modify, organize, and upload Web-specific files to a server prepare students for a career as a digital content creator or digital content specialist.

REQUIRED COURSES ART 250, 251; CS/IS 260; MEDIA 103; PHOTO 100, 111, 130.

**ELECTRONICS TECHNOLOGY TECHNICIAN
AS DEGREE OR CERTIFICATE**

This degree or certificate is designed to provide knowledge and training for entry into electronics and electrical industry career areas. Students must complete all required core courses for a total of 23.5 units. **Program Learning Outcomes:** Upon completion of this program, students will have knowledge and training for entry into electronics and electrical industries; demonstrate knowledge in electrical and voltage concepts; demonstrate knowledge in photovoltaic concepts; and have knowledge of California State Contractors and Electronics Technician Association examinations.

REQUIRED COURSES: ECT 100, 110, 113, 160, 161, 201; ECT 162 or 163; ENGR 100.

**ENGINEERING
AS DEGREE**

CIVIL ENGINEERING

Students completing an AS degree in Civil Engineering develop abilities in mathematics, basic sciences, engineering topics such as structural statics, as well as general education subjects that complement technical content. Students must complete all required courses for a total of 37 units. **Program Learning Outcomes:** Upon completion of this program, students will identify, formulate, and solve engineering problems by applying principles of engineering, science, and mathematics; apply the engineering design process to create engineering solutions that meet specified needs that integrates consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors; communicate technical information effectively with a range of audiences; function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet technical objectives; and transfer to a bachelor's degree program in order to finish preparing for a career in a specific discipline of civil engineering.

REQUIRED COURSES: MATH 103E, 104E; PHY 101, 102; CHEM 101. A minimum of twelve units from the following courses: ENGR 100, 122, 140, 141, 152, 156, 180, 230, 240, 241.

COMPUTER ENGINEERING

Students completing an AS degree in Computer Engineering develop abilities in discrete mathematics, basic sciences, engineering topics such as circuit design, as well as general education subjects that complement technical content. Students must complete all required courses for a total of 37 units. **Program Learning Outcomes:** Upon completion of this program, students will identify, formulate, and solve engineering problems by applying principles of engineering, science, and mathematics; apply the engineering design process to create engineering solutions that meet specified needs that integrates consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors; communicate technical information effectively with a range of audiences; function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet technical objectives; and transfer to a bachelor's degree program in order to finish preparing for a career in a specific discipline of computer engineering.

REQUIRED COURSES: MATH 103E, 104E, 108; PHY 101, 102. A minimum of twelve units from the following courses: ENGR 100, 125, 240; CS/IS 125, 211.

ELECTRICAL ENGINEERING

Students completing an AS degree in Electrical Engineering develop abilities in mathematics, basic sciences, engineering topics such as circuit design, as well as general education subjects that complement technical content. Students must complete all required courses for a total of 37 units. **Program Learning Outcomes:** Upon completion of this program, students will identify, formulate, and solve engineering problems by applying principles of engineering, science, and mathematics; apply the engineering design process to create engineering solutions that meet specified needs that integrates consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors; communicate technical information effectively with a range of audiences; function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet technical objectives; and transfer to a bachelor's degree program in order to finish preparing for a career in a specific discipline of electrical engineering.

REQUIRED COURSES: MATH 103E, 104E, 108; PHY 101, 102.

A minimum of twelve units from the following courses: ENGR 100, 125, 132, 140, 152, 240.

MECHANICAL ENGINEERING

Students completing an AS degree in Mechanical Engineering develop abilities in mathematics, basic sciences, engineering topics such as mechanics, as well as general education subjects that complement technical content. Students must complete all required courses for a total 37 units. The AS degree in Mechanical Engineering prepares students for transfer to a 4-year mechanical engineering university program. **Program Learning Outcomes:** Upon completion of this program, students will identify, formulate, and solve engineering problems by applying principles of engineering, science, and mathematics; apply the engineering design process to create engineering solutions that meet specified needs that integrates consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors; communicate technical information effectively with a range of audiences; function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet technical objectives; and transfer to a bachelor's degree program in order to finish preparing for a career in a specific discipline of mechanical engineering.

REQUIRED COURSES: MATH 103E, 104E; PHY 101, 102; CHEM 101. A minimum of twelve units from the following courses: ENGR 100, 122, 133, 140, 141, 152, 156, 230, 240, 241.

ENGINEERING TECHNOLOGY - CAD & DESIGN DRAFTING AS DEGREE OR CERTIFICATE

This degree or certificate prepares students with training to work in industry as a CAD designer, engineering drafter or drafting technician or technologist. The program includes instruction in both 2-D and 3-D computer aided drafting and design software such as AutoCAD and SOLIDWORKS. Motivated students can complete the required courses in one year by taking courses during the winter and summer sessions and online in addition to the traditional fall and winter sessions. Students must complete all required core courses for a total of 21 units. **Program Learning Outcomes:** Upon completion of this program students will produce engineering drawings and basic design of mechanical and civil engineering components and systems; create drawings using two-dimensional and three-dimensional computer aided design (CAD) software; incorporate and document industry codes, specifications and standards in the design process.

REQUIRED COURSES: ENGR 100, 101, 102, 109, 110, 111, 112.

ENGLISH AA DEGREE

Students completing an AA degree in English develop core competencies in several areas including communication, critical thinking, global awareness, information competency, and personal responsibility. This is achieved through the study of texts and the enhancement of reading, writing, and research skills. Students must complete all required courses for a minimum of 18 units. **Program Learning Outcomes:** Upon completion of this program, students will be able to apply literary and rhetorical concepts in order to critically read, write, think, and research.

REQUIRED COURSES: ENGL 105** and 106** or ENGL 109** and 110**.

A minimum of twelve units from the following courses: ENGL 101, 102, 103, 104, 105**, 106**, 109**, 110**, 112, 117, 122, 123, 125, 127, 128, 130.

**These courses may not be used in more than one area.

**ENGLISH: CREATIVE WRITING
AA DEGREE**

The English Creative Writing AA degree is designed to provide students with a solid foundation of creative writing skills. Students will understand genre, literary concepts, and socio-cultural influences on literature by critically reading novels, short stories, poetry, and creative nonfiction, and by writing their own original creative works. Coursework prepares students to enter programs in creative writing at baccalaureate institutions. The program emphasizes critical thinking, literary analysis, research, and writing skills. Students must complete all required courses for a minimum of 18 units. **Program Learning Outcomes:** Upon completion of the program students will be able to: analyze and critically read a variety of texts and various forms of media from contemporary literature and the literary canon; develop analytical and creative writing that demonstrates an understanding of literary concepts, genre, and ethical use of sources; produce work that is organized and written in a style suited for its purpose and audience.

REQUIRED COURSES: ENGL 102, 103, 104.

Select 6 units from the following: ENGL 105, 106, 110, 123.

Select 3 units from the following: ENGL 112, 114, 115, 118; HUMAN 105, 105H.

**ENTERTAINMENT ART
AA DEGREE**

This program offers introductory training to students in a range of entertainment production areas including 2-D storyboarding, 2-D and 3-D keyframe animation, 2-D and 3-D character, object, and environment design. Acquiring this degree prepares students to transfer to 4-year degree programs in animation, visual effects, and game design. Students must complete all required courses in order to reach 24-25 units. **Program Learning Outcomes:** Upon completion of this program, students will be able to create 2-D and 3-D character designs, storyboards, or animations. Create video game play levels or assets.

REQUIRED COURSES: ART 101 or 102, 130, 150, 152

Select four courses from the following: 201, 205, 209, 210, 231, 233, 235, 245, 270.

**FILM, TELEVISION AND MEDIA
AA DEGREE OR CERTIFICATE**

DOCUMENTARY FILM PRODUCTION

This degree or certificate 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 once course from the following: FTVM 135, 139

FILM STUDIES

This degree or certificate 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: ENGL 117; FTVM 101, 102, 103, 104, 106, 107, 108

Select two courses from the following: FTVM 131, 132, 135, 137, 139, 271

FILM, TELEVISION AND MEDIA ARTS AA DEGREE

This degree is designed to help students seeking a pathway into the film and television industry via transfer to a four year film school. Students will develop the ability to work effectively as a member of a production team while honing skills needed to complete high quality film and television productions. They will gain a breadth of knowledge and understanding of cinematic language necessary for film and tv production. These film and tv courses are designed to help students learn the craft and technique of film language, production design, composition, lighting techniques, sound design, picture editing. **Program Learning Outcomes:** Upon completion of this program, students will demonstrate an effective ability to work as a member of a 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 film aesthetics composition, film language, lighting and sound techniques to support the creative vision of the director. Demonstrate mastery of conceptual editing techniques to support storytelling and solving 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 COURSES: MCOMM 101; FTVM 100, 130
Select one of the following (writing): FTVM 112, 120
Select one of the following (foundation production): FTVM 131, 132
Select one of the following (technical): FTVM 135, 137, 139
Select one of the following options (advanced production):
Option one: FTVM 270A, 270B
Option two: FTVM 271
Option 3: FTVM 272

FIRE TECHNOLOGY AS DEGREE OR CERTIFICATE

This degree or certificate is offered for students interested in preparing for careers in fire prevention and fire fighting. The courses also provide in-service and upgrade instruction for fire fighting personnel. Students will demonstrate the skills required in the field of fire technology. These skills include: fire prevention techniques, behavior of fire, fire-fighting tactics and strategy, and the equipment used in fire protection. Other topics may include: fire investigation, hazardous materials, building construction, and crisis intervention. **Program Learning Outcomes:** Upon completion of this program, students will discuss the skills required for fire prevention techniques; discuss the aspects of fire behavior; discuss the skills required for fire-fighting tactics and strategy; and discuss the skills required for the use of equipment used in fire protection.

REQUIRED COURSES: FIRE 101, 102, 103, 104, 105.
A minimum of twelve units from the following courses: FIRE 106, 107, 108, 109, 110, 111, 112, 114, 115, 116, 117, 118, 119, 151; ADMJ 117.

FITNESS SPECIALIST AS DEGREE OR CERTIFICATE

This degree or certificate is designed to prepare students with the knowledge, skills and abilities required to become Personal Trainers and/or Group Fitness Instructors. It is primarily geared toward preparing students to successfully obtain certifications from the American Counsel for Exercise (ACE) for both personal training and group exercise instruction, and to develop comprehensive knowledge of scientific evidence, tools and protocols specific to the fitness industry. Practical experience is integrated into curriculum for the development of skill mastery. Students are recommended to have basic knowledge of human biology, basic English writing and speaking skills, and the ability to perform moderate physical activity before beginning this program. Students must complete all required core courses for a total of 18-24 units. **Program Learning Outcomes:** Upon completion of this program students will demonstrate knowledge, skills and abilities required for the ACE Personal Trainer and Group Fitness Instructor exams. Apply fundamental science of kinesiology to assess, design, implement and lead fitness programs for individuals and groups in a diverse population. Utilize universal risk management strategies.

REQUIRED COURSES: KIN 151, 155, 156, 167, 168; HLTH 102.
Select one course from the following (2-4 units): HLTH 128; KIN 157; BUSAD 158; ENTRE 101, 102.
Select two courses from the following (2-3 units): PE 108, 110, 111, 131, 180, 181, 220, 221; DANCE 101, 124, 127, 128, 129, 133, 190, 194; KIN 50; CO ED 101
RECOMMENDED PREPARATION (0 units): BIOL 114, 115 ESL 151; ABSE 186, 187

FOREIGN LANGUAGES AA DEGREE

The AA Degree in Foreign Languages provides academic preparation in two foreign languages. Via this preparation, students also learn to think globally and critically by analyzing manifestations of culture. Students are prepared to transfer to baccalaureate degree programs in Linguistics or another language related major. This AA Degree also meets the needs of those who wish to gain aptitudes in foreign languages or may enter the job market in fields that require knowledge of a foreign language. Students must complete all required courses for a minimum of 18-20 units. **Program Learning Outcomes:** Upon completion of this program, students will demonstrate increased reading and listening comprehension of the target languages; utilize oral and written communicative skills to produce the target languages; and demonstrate increased knowledge of the target languages' cultures.

REQUIRED COURSES: Select 2 courses from one language ten (10) units and 2 or more courses from a different language (8-10) units.

ARMEN 101, 102, 115, 116, 117, 125, 126, 127; CHIN 101, 102; FREN 101, 102, 103, 104; ITAL 101, 102, 103, 104; JAPAN 101, 102, 103, 104; KOREA 101, 102; SPAN 101, 102, 103, 104, 115, 131.

FOREIGN LANGUAGE AA DEGREE OR CERTIFICATE

ARMENIAN LANGUAGE

The degree or certificate in Armenian Language provides a rigorous academic preparation in the Armenian Language. Students are prepared to transfer to baccalaureate degree programs in Armenian or Near Eastern Languages, as well as Music, Linguistics, Art History and related fields. This degree or certificate also meets the needs of those in the community who wish to gain aptitudes in foreign languages or may enter the job market in fields that may require knowledge of a foreign language such as Armenian. Students develop competency in the ability to comprehend, speak, read, and write in Armenian, while at the same time learn to think critically by analyzing works of literature and other manifestations of culture. Students must complete all required courses for a minimum of 18 units. **Program Learning Outcomes:** Upon completion of this program, students will demonstrate increased reading and listening comprehension of the target languages. Utilize oral and written communicative skills to produce the target languages. Demonstrate increased knowledge of the target language's cultures.

REQUIRED COURSES: ARMEN 101 or 115, 102 or 116, 117.

Select one course from the following: ARMEN 125, 126, 127; ETH S 164; HIST 121.

FRENCH LANGUAGE

The degree or certificate in French Language provides rigorous academic preparation in the French language. Students are prepared to transfer to baccalaureate degree programs in French or Romance Languages, as well as Music, Linguistics, Art History and related fields. This degree or certificate also meets the needs of those in the community who wish to gain aptitudes in foreign languages or may enter the job market in fields that may require knowledge of a foreign language such as French. Students develop competency in the ability to comprehend, speak, read, and write in French, while at the same time learn to think critically by analyzing works of literature and other manifestations of culture. Students must complete all required courses for a minimum of 18-20 units. **Program Learning Outcomes:** Upon completion of this program, students will demonstrate increased reading and listening comprehension of the target languages. Utilize oral and written communicative skills to produce the target languages. Demonstrate increased knowledge of the target language's cultures.

REQUIRED COURSES: FREN 101, 102, 103, 104.

If 20 units have not been reached in the required core, select one from the following (3 units): ARTH 107; ENGL 110; LING 101; HIST 170; MUSIC 125.

ITALIAN LANGUAGE

The degree or certificate in Italian Language provides rigorous academic preparation in Italian Language. Students are prepared to transfer to baccalaureate degree programs in Italian or Romance Languages, as well as Music, Linguistics, Art History and related fields. This degree or certificate also meets the needs of those in the community who wish to gain aptitudes in foreign languages or may enter the job market in fields that may require knowledge of a foreign language such as Italian. Students develop competency in the ability to comprehend, speak, read, and write in Italian, while at the same time learning to think critically by analyzing works of literature and other manifestations of culture. Students must complete all required courses for a minimum of 18-20 units. **Program Learning Outcomes:** Upon completion of this program, students will demonstrate increased reading and listening comprehension of the target languages. Utilize oral and written communicative skills to produce the target languages. Demonstrate increased knowledge of the target language's cultures.

REQUIRED COURSES: ITAL 101, 102, 103, 104.

If 20 units have not been reached in the required core, select one from the following (3 units): ITAL 130; ARTH 102, 104, 105, 106; LING 101; HIST 170; MUSIC 120.

JAPANESE LANGUAGE

The degree or certificate in Japanese Language provides a rigorous academic preparation in the Japanese Language. Students are prepared to transfer to baccalaureate degree programs in Japanese or Asian Languages, as well as Music, Linguistics, Art History and related fields. This degree also meets the needs of those in the community who wish to gain aptitudes in foreign languages or may enter the job market in fields that may require knowledge of a foreign language such as Japanese. Students develop competency in the ability to comprehend, speak, read, and write in Japanese, while at the same time learn to think critically by analyzing works of literature and other manifestations of culture. Students must complete all required courses for a minimum of 18-20 units. **Program Learning Outcomes:** Upon completion of this program, students will demonstrate increased reading and listening comprehension of the target languages. Utilize oral and written communicative skills to produce the target languages. Demonstrate increased knowledge of the target language's cultures.

REQUIRED COURSES: JAPAN 101, 102, 103, 104.

If 20 units have not been reached in the required core, select one from the following (3 units): ETH S 124; HIST 119, 120; LING 101.

SPANISH LANGUAGE

The degree or certificate in Spanish Language provides a rigorous academic preparation in the Spanish language. Students are prepared to transfer to baccalaureate degree programs in Spanish or Romance Languages, as well as Linguistics. This degree or certificate also meets the needs of those in the community who wish to gain aptitudes in foreign languages or may enter the job market in fields that may require knowledge of a foreign language such as Spanish. Students develop competency in the ability to comprehend, speak, read, and write in Spanish, while at the same time learn to think critically by analyzing works of literature and other manifestations of culture. Students must complete all required courses for a minimum of 18-20 units. **Program Learning Outcomes:** Upon completion of this program, students will demonstrate increased reading and listening comprehension of the target languages. Utilize oral and written communicative skills to produce the target languages. Demonstrate increased knowledge of the target language's cultures.

REQUIRED COURSES: SPAN 101, 102, 103 or 115, 104.

If 20 units have not been reached in the required core, select one from the following (3 units): ETH S 102, 120; HIST 103, 104, 105, 113; LING 101; SPAN 124H, 131.

GRAPHIC DESIGN AA DEGREE OR CERTIFICATE

The degree or certificate is focused on the develop core competencies in several areas including visual communication, critical thinking, foundational design principles, user experience design, user interface design, use of industry compliant hardware and software, and the role of personal responsibility within continual professional development. Strong emphasis is placed on the creation of a portfolio to demonstrate the same core competencies stressed throughout the curriculum. Students are prepared to seek employment in the advertising/graphic design industry as entry-level production designers or junior graphic designers. The degree also prepares students to enter four year graphic design programs as earn four year degrees such as a BFA in Graphic Design, a BA in Graphic Design, and Communication Design. Students must complete all required courses for a minimum of 30 units. **Program Learning Outcomes:** Upon completion of this program, students will be able to continually develop curriculum incorporating the critical elements of Graphic Design; continually develop curriculum incorporating the industry standard technical elements of Graphic Design; and demonstrate articulation with surrounding 4 year institutions and with the local Graphic Design Community.

REQUIRED COURSES: ART 132, 133, 134, 135, 136, 137, 250, 251, 255; PHOTO 160.

HEALTHCARE ADMINISTRATION AS DEGREE OR CERTIFICATE

The degree or certificate prepares students for entry-level coordination, assisting, and other support services and management and leadership roles in health services and related organizations and systems. Students will complete 25 units. **Program Learning Outcomes** Upon completion of this program, Prepare students for a career in the healthcare industry by completing the Health Care Administration Certificate; Describe the value of personal and professional development, health and community service, and life-long learning in healthcare management; Analyze the impact of healthcare administration on healthcare delivery within the community.

REQUIRED COURSES: MOA 180, 183, 184, 185, 188, 190, 191, 192.

HEALTH SCIENCE AS DEGREE

This program is offered for students interested in preparing for careers in the allied health fields, such as nursing, physical therapy, optometry, occupational therapy, and many others. The courses will prepare students for advanced coursework in certificate programs or for transfer to four-year institutions to pursue degrees such as public health. Students will acquire knowledge of human anatomy, chemistry, communication, psychology, human physiology, anthropology, and/or nutrition. Students must complete all required courses for a total of 20 units. **Program Learning Outcomes** Upon completion of this program, students will be able to identify anatomical structures and describe the function of important systems in the human body, and be well-prepared for courses in the health science professions.

REQUIRED COURSES: A minimum of 14 units in one of the following options and additional 6 elective units is required.

Option A: BIOL 115 or 122, BIOL 120; CHEM 110 or 120.

Option B: BIOL 120 and 121; CHEM 110 or 120.

Electives (6 units): Choose one course from each category

Category 1— SPCH 100, 101, 103.

Category 2— ANTHR 102; NUTR 125; PSYCH 101, 106; SOC 101.

INFORMATION TECHNOLOGY AS DEGREE

This degree prepares students for employment in a variety of jobs, including work as network and computer systems administrators, computer support specialists and data base administrators, computer and network security, digital forensics and database management. Students must complete the required courses and choose any additional courses to total a minimum of 22 units. **Program Learning Outcomes:** Students will demonstrate the proper server operation procedures, maintenance procedures and managing risk associated with real world networks. Students will demonstrate installing, configuring and maintaining computer and mobile devices, including diagnosing, resolving and documenting common hardware and software. Students will demonstrate and understanding of ethical concern associated with information technology including access, reliability, legal, ethical, and accuracy; identify types of computer crime; select, access, and use appropriate sources.

REQUIRED COURSES: CS/IS 101, 112, 190, 194; BUSAD 204.

Select two course from the following: CS/IS 180, 183, 185, 193, 196, 197.

INSURANCE SPECIALIST: PROPERTY & CASUALTY AS DEGREE

This degree is designed to prepare students for positions in the insurance industry. This program covers a range of topics that will equip students with the knowledge and skills necessary for roles such as appraiser, agent, estimator, senior administrative assistant, broker, underwriter, and senior sales associate. The curriculum covers key learning outcomes, including describing and applying insurance concepts, understanding elements of insurance contracts, and discussing loss exposures and personal risk insurance. Students must complete all required courses for a total of 32-33 units. **Program Learning Outcomes:** Upon completion of this program, students will be able to Describe and apply insurance concepts such as principles of indemnity, valued policy, and liability limits. Describe elements of a contract, insurance contracts, and conditions commonly found in property and liability insurance policies. Discuss loss exposures, personal risk insurance, and types of personal insurance policies.

REQUIRED COURSES: ACCTG 101; BUSAD 101, 106, 111, 112, 113, 114, 115, 116, 120, 50 (1 unit);

Select one course from the following: CABOT 260; CS/IS 100

RECOMMENDED COURSES: BUSAD 204.

INTERDISCIPLINARY HUMANITIES AA DEGREE

Program Learning Outcomes: Upon completion of this program, students will apply literary, rhetorical, and interdisciplinary studies concepts, and discipline-specific concepts (such as dance or French) in order to critically read, write, think, and research about the idea of creativity.

Option: Creativity

Select 6 units from: HUMAN 106, 117.

Select 3 units from: HUMAN 105, 110.

Select 9 units from at least three of the following disciplines: ANTHR 101; ART 150, 186; BIOL 123; DANCE 110, 115, 120; ENGL 103, 111; PHILO 116, 117; T ART 103, 104, 109, 121, 123, 134.

IT TECHNICIAN II: HELP DESK USER SUPPORT AS DEGREE

This degree is the second stage of the statewide IT Technician pathway and prepares students to further develop their IT Technician Skills. While completing the network and server security coursework, students gain practical experience as they learn how to use Help Desk software. As student's complete coursework, they are encouraged to complete the aligned industry valued certifications such as CompTIA Network+, CompTIA Security+, Microsoft Server, and Microsoft Desktop. Students who have completed Stage 1 of the IT Technician pathway along with this stage are prepared for positions such as Computer User Support Specialists, Computer Network Support Specialists, and IT retail supervisory positions. Students must complete all core courses to a total of 32 units. **Program Learning Outcomes:** Upon completion of this program, students will be able to provide technical assistance to computer users and Support Specialists to analyze, test, troubleshoot, and evaluate existing network systems and Internet systems or a segment of a network system, and perform network maintenance to ensure networks operate correctly with minimal interruption.

REQUIRED COURSES: BUSAD 101, 106, 204; CABOT 260; CS/IS 101, 186, 190, 194, 196, 197.

IT TECHNICIAN III AS DEGREE

This degree is the third stage of the statewide IT Technician pathway and equips students with the advanced IT skills required of an IT Technician. As student's complete coursework, they are encouraged to complete the aligned industry valued certifications such as CompTIA Linux+, Cisco Certified Entry Networking Technician (CCENT), and the Certified Ethical Hacker (CEH). Students who have completed Stage I and II of the IT Technician pathway along with this stage are prepared for positions such as Computer Systems Analysts, Information Security Analysts, Network and Computer Systems Administrators, and IT whole-sale/retail supervisory positions. Students must complete all core courses to a total of 42 units. **Program Learning Outcomes:** Upon completion of this program, students will be able to demonstrate system and network administration concepts; and understand and demonstrate Cyber Security concepts and their integration into Business Operations.

REQUIRED COURSES: BUSAD 101, 106, 204; CABOT 260; CS/IS 101, 174, 186, 187, 190, 193, 194, 196, 197.

LIBERAL ARTS: ARTS AND HUMANITIES EMPHASIS AA DEGREE

This program is designed for students who wish to have a broad knowledge of the arts and humanities, and is recommended for transfer students seeking an Associate Degree prior to transferring to a college or university with a major in a related field. The courses emphasize the study of cultural, literary, humanistic activities and artistic expression of human beings. **Program Learning Outcomes:** Upon completion of this program, students will be able to analyze works of philosophical, historical, literary, aesthetic, and cultural importance. Describe the art, literature, ideas, movements, and individuals that have helped to define values, civilizations, and the human condition. Examine other cultures through the study of a foreign language.

Select a minimum of 18 units from the following, with at least one courses (3 units) from Arts and one courses (3 units) from Humanities:

ARTS: ARTH 101, 101H, 102, 102H, 103, 104, 105, 106, 107, 108, 111, 112, 113, 115, 116, 118, 119, 120, 121, 125, 199; DANCE 100, 102; FTVM 100, 101, 102, 103, 104, 106, 107, 108; MUSIC 101, 120, 120H, 121, 122, 125, 126, 127; T ART 101, 102, 107, 113

HUMANITIES: ARMEN 101, 102, 115, 116, 117, 125, 126, 127; CHIN 101, 102; ECON 111; ENGL 105, 106, 109, 110, 111, 117, 122, 123, 125, 127, 130; FIL 102, 115; FREN 101, 102, 103, 104; HIST 101, 102, 102H, 103, 104, 105, 106, 111, 111H, 113, 115, 116, 117, 118, 118H, 119, 120, 121, 122, 131, 132, 133, 133H, 135, 136, 152, 170, 180; HUMAN 105, 105H, 106, 110, 111, 115, 117, 125, 135, 140, 145; ITAL 101, 102, 103, 104; JAPAN 101, 102, 103, 104, 132; KOREA 101, 102; PHILO 101, 101H, 115, 116, 119, 120, 121, 130; SPAN 101, 102, 103, 104, 115, 124H, 131

LIBERAL ARTS: SCIENCE AND MATHEMATICS EMPHASIS AA DEGREE

This program is designed for students who wish to have a broad knowledge of science and mathematics, and is recommended for transfer students seeking an Associate Degree prior to transferring to a college or university with a major in a related field. The courses emphasize the facts and principles which form the foundations of living and non-living systems, as well as mathematical concepts and quantitative reasoning and their application. **Program Learning Outcomes:** Upon completion of this program, students will be able to apply mathematical and scientific ideas to analyze real-world situations. Read, write, listen to, and speak about mathematical and scientific ideas with understanding. Use appropriate technology and/or tools to enhance scientific thinking and understanding.

Select a minimum of 18 units from the following, with at least one course (3 units) from Life Science, one course (3 units) from Physical Science, and one course (3 units) from Mathematics:

LIFE SCIENCE: ANTHR 101, 110; BIOL 101, 102, 112, 115, 120, 121, 122, 123, 123H, 124, 125, 125H, 140, 150; PSYCH 103

PHYSICAL SCIENCES: ASTRO 110, 120; CHEM 101, 102, 105, 106, 110, 120, 121; GEOG 101, 107; GEOL 101, 101H, 102, 105; OCEAN 115; PHY 101, 101H, 102, 103, 105, 106, 110

MATHEMATICS: ECON 127; MATH 100, 100+, 101E, 102, 102+, 103E, 103E+, 103EH, 104E, 104EH, 105, 105H, 107, 107H, 108, 108H, 109, 110, 110A, 110B, 111, 112, 112+, 133, 134, 135, 137, 138; STATC1000, 1000E, 1000H

Select additional course below if needed to meet the minimum 18 units

ASTRO 102; BIOL 126; CS/IS 112, 135; GEOG 111; GEOL 111, 111H, 112, 115; OCEAN 116; PSYCH 203

**LIBERAL ARTS: SOCIAL AND BEHAVIORAL
SCIENCES EMPHASIS
AA DEGREE**

This program is designed for students who wish to have a broad knowledge of the social and behavioral sciences, and is recommended for transfer students seeking an Associate Degree prior to transferring to a college or university with a major in a related field. The courses emphasize individual behavior and behavior in human, social, political, and economic institutions. **Program Learning Outcomes:** Upon completion of this program, students will be able to describe the principles, perspectives, and methods of inquiry used by the social and behavioral sciences. Analyze how people act and have acted in response to their societies. Apply social science research methodology and effectively communicate research results and conclusions.

Select a minimum of 18 units from the following, with courses from at least two disciplines: ANTHR 102, 102H, 103, 104, 105, 114, 150; CHLDV 135; ECON 101, 102, 102H, 111, 170; ETH S 110, 120, 121, 123, 125, 132, 164, 165, 166; GEOG 102, 103, 106, 110, 170, 171; HLTH 105, 106, 107, 108; HIST 101, 102, 102H, 103, 104, 105, 106, 111, 111H, 113, 115, 116, 117, 118, 118H, 119, 120, 121, 122, 131, 132, 133, 133H, 135, 136, 152, 170, 180; LING 101, 101H, 102; 102H, 103, 103H; MCOMM 101; POLSC1000; POL S 102, 103, 104, 108, 111, 114, 115, 170, 171; PSYCC1000, 1000H, PSYCH 104, 104H, 105, 106, 113, 115, 131, 150, 200; SOC S 101, 105, 107, 110, 120, 127, 130; SOC 101, 101H, 102, 103, 104, 105, 108, 114, 131, 171, 200; SPCH 108, 115, 120

**MACHINIST
AS DEGREE OR CERTIFICATE**

Program Learning Outcomes: Upon completion of this program, students will demonstrate the skills required in the field of machine and manufacturing technology, such as computer numerical machining (CNC) for various machine tools; demonstrate the skills required in the field of machine and manufacturing technology, such as use of manual machining equipment; demonstrate the skills required in the field of machine and manufacturing technology, such as metallurgy and heat treating; and demonstrate the skills required in the field of machine and manufacturing technology, such as technical mathematics.

REQUIRED COURSES: MACH 101, 102, 103, 104; MTLGY 150.

**MANAGEMENT
AS DEGREE**

This program prepares students for entry- to mid-level management roles by covering essential functions like planning, organizing, staffing, leading, and controlling, along with strategic and operational management practices. Students gain skills in leadership, teamwork, and communication, enabling them to make effective decisions, deliver persuasive presentations, and navigate management complexities in professional settings. **Program Learning Outcomes:** Upon completion of this program students will be able to Describe the key functions of management (planning, organizing, leading, and controlling) and implement them in real-world business scenarios to improve organizational efficiency. Practice effective listening strategies in team settings, contributing to better collaboration and conflict resolution. Plan and present structured oral presentations, adapting to diverse audience needs and evaluating their effectiveness in a business environment.

REQUIRED COURSES: ACCTG 101; BUSAD 101, 110, 141

Select one of the following: (Writing) BUSAD 106 or CABOT 105

Select one of the following: (Business) BUSAD 120 or 144

Select one of the following: (Speaking) BUSAD 152 or COMM C1000

Select one of the following: (Computer) CABOT 260 or CS/IS 100 or 101

**MARKETING
AS DEGREE**

This degree is designed for students who need the marketing basics and are planning beginning careers in marketing, advertising, retailing, and sales. Students will learn to recognize and develop an appreciation for customer need, understand and apply the four P's of marketing: Product, Price, Place (distribution), and Promotion, and develop a basic marketing plan and implement a strategy. **Program Learning Outcomes:** Upon completion of this program, students will be able to recognize and develop an appreciation for customer need, and to understand and apply the four P's of marketing: Product, Price, Place (distribution), and Promotion, as well as develop a basic marketing plan and implement a strategy.

REQUIRED COURSES: ACCTG 101; BUSAD 101, 162, 166, 163 or 165

Select one of the following: (Writing) BUSAD 106 or CABOT 105

Select one of the following: (Computer) CABOT 260 or CS/IS 100 or 101

Select one course from the following: CABOT 280; BUSAD 152, 120, 131, 169.

MASS COMMUNICATIONS AA DEGREE

This program prepares students to recognize and replicate the methods by which the Mass Media inform and persuade, with language or pictures, and the cognitive and emotional impact mass media messages have on the audience. Students are prepared to transfer to baccalaureate degree programs in mass communications and communications, including public relations. Students must complete all required core courses and choose other courses from the additional course listed to total 19.5 units. **Program Learning Outcomes:** Upon completion of this program, students will be able to analyze and differentiate the primary influences of dominant mass media on major cultural practices and social and political institutions; and research and explain the historical influences of dominant communication technologies on society, culture and human behavior.

REQUIRED COURSES: ENGL 101; JOURN 102, 103, 104; MCOMM 101.

A minimum of three units from the following courses: JOURN 107; MCOMM/JOURN 49**; MCOMM 120.

**A maximum of 6 units in MCOMM/JOURN 49 may be counted toward the 18 units required.

MASS COMMUNICATIONS AS DEGREE OR CERTIFICATE

This degree or certificate is designed to train students to meet the need for qualified public relations and other communications professionals through instruction in nonfiction writing, media production, media theory and media literacy. Students must complete all required core courses, and choose other courses from the additional courses listed to total 25.5 - 26.5 units. **Program Learning Outcomes:** Upon completion of this program, students will be able to analyze and differentiate the primary influences of dominant mass media on major cultural practices and social and political institutions; research and explain the historical influences of dominant communication technologies on society, culture and human behavior.

REQUIRED COURSES: MCOMM 101; JOURN 102, 103 or 104, 107; ENGL 101, 102 or 104.

A minimum of three units from the following courses: CABOT 206, 208; CS/IS 123; MEDIA 101.

A minimum of three units from the following courses: ECON 101; ENGL 105, 106, 109, 110, 111, 122, 123, 125, 127, 128; HIST 140, 141; POL S 101.

MATHEMATICS AS DEGREE

This program prepares students for study in STEM fields requiring the skills to solve applications using derivatives, integrals, differential equations, and linear algebra. Students are also prepared to transfer to baccalaureate degree programs in mathematics. Students must complete all core courses to a total of 25 units. **Program Learning Outcomes:** Upon completion of this program, students will be able to solve applications in math and science using derivatives, integrals, differential equations and linear algebra; evaluate limits, derivatives and integrals; solve a variety of rudimentary and second order differential equations; and analyze, synthesize and evaluate theorems in Linear Algebra.

REQUIRED COURSES: MATH 103E or 103EH, 104E or 104EH, 105 or 105H, 107 or 107H, 108 or 108H.

MEDICAL OFFICE AS DEGREE OR CERTIFICATE

ADMINISTRATIVE MEDICAL ASSISTANT

This degree or certificate is designed to prepare students for employment as a medical assistant in a physician's office or clinic. The curriculum is designed to provide administrative training to assist the physician with the care and treatment of patients. These administrative functions include patient reception, registration and scheduling appointments, word processing and medical documentation preparation, validating insurance and verifying coding, ordering and maintaining supplies and equipment, and maintaining patient medical records. Additionally, Administrative medical assistants work as part of a team, and are often responsible for managing multiple tasks in a high-paced medical or hospital work environment, which include communicating effectively with patients, regarding office policies and applying HIPAA rules. Students will complete 29 core required units. **Program Learning Outcomes:** Upon completion of this program students will be able to schedule appointments, perform medical office duties, handle financial matters including medical insurance collection, manage electronic health records and other ancillary medical records, and to complete the insurance and reimbursement process. The required internship in the medical office of a physician's clinic provides the student with the administrative experience necessary to enter the workforce.

REQUIRED COURSES: MOA 180, 182, 183, 184, 185, 188, 193, 197; MOA 50 (3 units); BUSAD 204.

MEDICAL CODING ASSISTANT

This degree or certificate is designed to prepare students for a position as a medical coder in an acute care hospital, clinic or physician's office, long-term care facility, and other health care settings. Students will complete 31 required units. **Program Learning Outcomes:** Upon completion of this program students gain competencies in the application of biomedical knowledge and legal, ethical, and medical standards, the communication and analysis of statistical data and in planning and implementation of clinical informational and data systems. Coders ensure that valid codes are applied to medical diagnoses and procedures per coding classification guidelines. They facilitate reimbursement, analyze patient outcomes, and medical research. Students will be able to prepare for national AAPC (American Academy of Professional Coders) exam once they complete and receive this certificate.

REQUIRED COURSES: MOA 180, 182, 183, 184, 188, 193, 194, 195, 197; MOA 50 (3 units).

MEDICAL FRONT OFFICE

This degree or certificate is designed for students who are preparing for a position in offices of physicians, medical clinics, hospitals, and allied facilities. These students will acquire basic communication skills, learn specialized medical terminologies needed to complete appropriate forms in preparing, maintaining/filing, and charting medical records including insurance claims; use appropriate computer programs to key basic documents and navigate the Internet. Students must complete all core courses to a total of 24-25 units. **Program Learning Outcomes:** Upon completion of this program, the student will acquire the basic communication skills; learn the specialized medical terminologies needed to complete appropriate forms in preparing, maintaining/filing, and charting medical records including insurance claims; and use appropriate computer programs to key basic documents and to navigate the Internet (the student should achieve a minimum speed of 25 words per minute).

REQUIRED COURSES: CABOT 102, 103, 104, 110, 205, 208; MOA 181 or 182, 185.

Select one course from the following: CABOT 105; 50 (3 units); MOA 183.

MUSIC AA DEGREE

This degree is designed to help students entering the music field or pursuing an undergraduate degree in music. Students will develop musical artistry and proficiency, learn to analyze and recognize musical patterns, and gain a breadth of knowledge of our diverse musical world. These music courses are designed to help students think, create, and collaborate in a critical, expressive, and articulate manner. Students must complete the required courses and choose additional courses to total a minimum of 26 units. **Program Learning Outcomes:** Upon completion of this program, students will be able to apply intermediate to advanced music theory, musicianship and analytical skills to music. Students will develop a knowledge of music history and demonstrate intermediate to advanced keyboard competency. Students will perform in at least one major performance area at a level appropriate for their particular music concentration.

REQUIRED COURSES: MUSIC 103 or 113, 125, 126, 201, 202, 203, 211, 212, 213.

Two units of MUSIC 140.

Four semester units (4 units) from: MUSIC 143, 144, 145, 146, 147, 148, 152, 230, 231, 232, 233, 235, 236, 237, 240, 241, 242.

MUSIC AS DEGREE OR CERTIFICATE

This degree or certificate is designed to help students who will be entering the music industry or a field where a knowledge of music will be helpful. Students will choose to focus on a particular area of study. Students will develop musical skills, learn to analyze and recognize musical patterns, and gain a breadth of knowledge of our diverse musical world. These music courses are designed to help students think, create, and collaborate in a critical, expressive, and articulate manner. Students must complete the required courses and choose additional courses to total a minimum of 22 units. **Program Learning Outcomes:** Upon completion of this program, students will be able to apply fundamental theory, musicianship and analytical skills to music. Students will develop a basic knowledge of music history and demonstrate keyboard competency. Students will perform in at least one major performance area at a level appropriate for their particular music concentration. The courses are divided into four categories: core classes, instrumental and vocal classes, performing ensembles, and electives.

REQUIRED COURSES: MUSIC 201, 211.

Select one course from the following: MUSIC 120, 121, 122, 125, 126, 127.

One unit of MUSIC 140.

Select one course (2 units) from: MUSIC 135, 136.

Select one course (2 units) from: MUSIC 160, 161, 162, 163, 164, 165, 166.

Two semester units (2 units) from: MUSIC 143, 144, 145, 146, 147, 148, 152, 230, 231, 232, 233, 235, 236, 237, 240, 241, 242.

Electives (8 units required): MUSIC 103, 113, 121, 122, 127, 150, 153, 154, 155, 156, 157, 158, 171, 176, 177, 178, 179, 181, 184, 187.

NURSING - SEE REGISTERED NURSING**PHOTOGRAPHY
AS DEGREE OR CERTIFICATE****DIGITAL PHOTOGRAPHY**

This degree or certificate is designed to prepare students for work as professional photographers and photographic assistants, as well as prepares students for fields in digital photography editing and retouching. Students pursue careers in a wide range of photographic practices, from commercial and fine art to documentary and event photography. Courses are designed to encourage students to pursue individual projects while developing their technical ability. This program requires 21 units. **Program Learning Outcomes:** Upon completion of this program, students will be able to: create a cohesive photographic project that is conceptually and technically well developed create, use, and evaluate available and studio lighting use, develop, and integrate digital photography techniques and workflows into their photographic practice prepare students for a career in Photography by completing the Photography degree or certificate.

REQUIRED COURSES: ARTH 199; PHOTO 100, 111, 112, 130, 132. Select one courses from the following: PHOTO 140, 142, 144, 146.

PHOTOGRAPHY

This degree or certificate is designed to prepare students for a professional photographic practice or transfer to a 4 year program. Our students pursue careers in a wide range of photographic practices, from commercial and fine art to documentary and event photography. Courses are designed to encourage students to pursue individual projects while developing their technical ability in both traditional and digital photography. Students seek employment as principal photographers, photography assistants or as digital retouchers. This program requires 18 units. **Program Learning Outcomes:** Upon completion of this program, students will be able to create a cohesive photographic project that is conceptually and technically well developed, create, evaluate and integrate use of available and studio lighting into their photographic practice, use, develop, and integrate traditional photography techniques and workflows into their photographic practice, use, develop, and integrate digital photography techniques and workflows into their photographic practice.

REQUIRED COURSES: ARTH 199; PHOTO 100, 101, 103, 111, 112, 130, 132.

Select one course from: PHOTO 140, 142, 144, 146.

**PHOTOGRAPHY
AA DEGREE**

This degree is designed to prepare students for a professional photographic practice or transfer to a 4 year program. Students in this degree program learn both traditional and digital photography techniques and well as lighting and workflow. In addition to gaining a diverse historical and cultural understanding of photography, students are encouraged to incorporate their own sociocultural background and experiences to strengthen their photographic practice. This course of study prepares students to transfer to a baccalaureate program in Photography. Students will complete a total of 18 units. **Program Learning Outcomes:** Upon completion of this program, students will be able to create a cohesive photographic project that is conceptually and technically well developed; create, evaluate and integrate use of available and studio lighting into their photographic practice; use, develop, and integrate traditional photography techniques and workflows into their photographic practice; use, develop, and integrate digital photography techniques and workflows into their photographic practice; and prepare students for transfer to baccalaureate program in Photography.

REQUIRED COURSES: ART 199; PHOTO 100, 101, 111, 130. Minimum of 3 units from: PHOTO 140, 142, 144, 146.

RECOMMENDED COURSES: PHOTO 103.

**PHYSICAL SCIENCE
AS DEGREE**

The Physical Science AS degree provides the students with a solid foundation of Physical sciences with emphasis either in Chemistry, Physics, Astronomy, or Earth Science. The Program emphasizes critical thinking, data analysis, and problem-solving in its approach to learning. Students understand and demonstrate the scientific laws and theories and the applications thereof, in their chosen emphasis. Students must complete all required courses for a minimum of 18-24 units.

ASTRONOMY

Program Learning Outcomes: Upon completion of this program, students will be able to identify, compare and contrast physical properties of astronomical objects; visualize the general structure and scale of the universe and our place within it; locate, identify and contrast prominent astronomical objects in the night sky; identify and comprehend the purpose of elementary equations used in astronomy and describe the functions; use of basic astronomical tools.

REQUIRED COURSES: PHY 110; CHEM 110; OCEAN 115 or GEOL 101; ASTRO 110 or 120; 102 and 110 or 120.

CHEMISTRY

Program Learning Outcomes: Upon completion of this program, students will be able to compare and contrast the general chemistry performance exam taken at Glendale Community College with the national performance norm, reported by the American Chemical Society.

REQUIRED COURSES: PHY 110; CHEM 110; OCEAN 115 or GEOL 101; ASTRO 110 or 120; CHEM 101 and 102.

EARTH SCIENCE

Program Learning Outcomes: Upon completion of this program, students will be able to apply scientific method of thinking to analyze and critically evaluate relevant literature and information, and the use of evidence for support; communicate effectively in a variety of ways, such as scientific writing, visualization of data and ideas, or through oral communication; solve quantitative problems, analyze results from data and measurements, form hypotheses from data, test hypotheses; recognize the interdisciplinary nature of science and enjoy the process of learning science.

REQUIRED COURSES: PHY 110; CHEM 110; OCEAN 115 or GEOL 101; ASTRO 110 or 120; GEOL 102; OCEAN 116 or GEOL 111 or GEOL 112.

PHYSICS

Program Learning Outcomes: Upon completion of this program, students will be able to explain the difference between evidence and theory in science and cite an example in their explanation; use instruments and computers to accurately measure, graph, and analyze physical properties (these instruments will include calipers, micrometers, mass balances, spectrometers, interferometers, and digital oscilloscopes depending upon which courses the student had taken); interface computers and sensors using digital conversion technology and the Data Studio Software package to perform experiments in mechanics, electricity and magnetism, thermodynamics, and chemistry.

REQUIRED COURSES: PHY 110; CHEM 110; OCEAN 115 or GEOL 101; ASTRO 110 or 120; PHY 105 and 106.

REAL ESTATE APPRAISAL AS DEGREE OR CERTIFICATE

In the Real Estate curriculum, the California Office of Real Estate Appraisal (OREA) determines the courses required to attain an appraisal license, including: 1) Trainee License, 2) Residential License, and 3) Certified Residential Licenses. Many of these courses are also applicable to the salesperson's or broker's license of the California Department of Real Estate (DRE). In certain cases, courses can be used for both OREA and DRE requirements. (See the Real Estate Broker Certificate). **Program Learning Outcomes:** Upon completion of this program, students will be able to apply the basic principles and procedures used in valuing residential properties. They will be able to choose the appropriate method to determine value for a specific property, estimate gross income and calculate expenses for income producing property and meet Appraisal Qualifications Board (AQB) licensing requirements for filling out forms and completing the USPAP form.

REQUIRED COURSES: RE 101, 130, 140, 150, 161, 162, 163, 164, 165. A minimum of three units must be selected from the following to complete a total of 29 units: ACCTG 101 or 110; BUSAD 120; RE 180, 190, 195, 250.

REAL ESTATE BROKER AS DEGREE OR CERTIFICATE

In the Real Estate curriculum, special attention is given to the California license requirements. A student must take the Real Estate Principles course (RE 101), a Real Estate Practice course (RE 120), and one other real estate course before taking the state examination. An applicant for the broker's license must have taken the eight (8) real estate courses required for this Real Estate Certificate before taking the California State Broker Examination. Students will develop a clear action plan to launch a successful real estate career upon graduation. **Program Learning Outcomes:** Upon completion of this program, students will be able to develop a clear action plan to launch a successful real estate career after graduation; and meet the requirements necessary to take and pass the California Department of Real Estate Brokers licensing exam.

REQUIRED COURSES: RE 101, 120, 130, 140, 150, 162 or 163. A minimum of six units from the following courses: BUSAD 120; RE 161, 164, 180, 190, 195, 250; ACCTG 101 or 110;

NOTE: After completing all 24.5 units required for this certificate, a Real Estate Internship course is recommended.

REGISTERED NURSING AS DEGREE OR CERTIFICATE

Registered nursing practice is a licensed occupation, which is regulated by the California Board of Registered Nursing (BRN); for more information, visit www.rn.ca.gov.

Students must meet all prerequisite requirements and be formally accepted to the Registered Nursing program prior to enrolling in any nursing classes. This curriculum qualifies the student for an Associate in Science (AS) degree with a major in Nursing. This is a full-time program of study. Students must complete 48.5 required units.

In addition to nursing courses, students must complete other required classes set by the college to earn an Associate in Science degree. Upon successful program completion, graduates are eligible to apply for the exam for licensure in California (NCLEX-RN). Program Learning Outcomes: Upon completion of this program, students will be able to: 1) Complete the nursing program with the requisite knowledge of the discipline including evidenced-based practice within a required time frame; 2) Demonstrate requisite knowledge of the profession of registered nursing by successfully passing the NCLEX-RN; and 3) Acquire employment in the field of registered nursing within one year of completing the nursing program. For further information visit the website at www.glendale.edu/nursing.

I. PROGRAMS

- A. **GENERIC ASSOCIATE DEGREE NURSING (ADN) PROGRAM** This curriculum qualifies the student for an Associate in Science degree with a major in Nursing. Graduates are eligible to apply for the exam for licensure (NCLEX-RN) in California.
- B. **CERTIFICATE IN NURSING PROGRAM:** This curriculum qualifies the student for a Certificate in Nursing. Graduates are eligible to apply for the exam for licensure (NCLEX-RN) in California. The student receives a certificate of completion but is not considered a graduate of Glendale College or the Department of Nursing. A license obtained through this option may not qualify the graduate for licensure by endorsement in other states.
- C. **LVN to RN options:** Plans A and B provide advanced placement access into the RN curriculum for the LVN whose license is active and in good standing in California.
 1. **PLAN A—CAREER LADDER**
Qualifies the student for an AS degree with a major in Nursing. Graduates are eligible to apply for the exam for licensure (NCLEX-RN) in California.
 2. **PLAN B—30 UNIT OPTION**
Qualifies the student to meet the BRN requirements for eligibility to apply for the licensing examination and licensure in California. (NCLEX-RN). The student receives a certificate of completion but is not considered a graduate of Glendale College or the Department of Nursing. A license obtained through this option may not qualify the graduate for licensure by endorsement in other states.

NOTE: The BRN may deny a license regulated by the Business and Professional Code, Section 480, on such grounds as: being convicted of a crime, acts of dishonesty, fraud or deceit, abuse of vulnerable populations, etc. Refer to the Department of Nursing for further information.

II. PROGRAM REQUIREMENTS

A. GENERAL REQUIREMENTS

1. All required coursework in the Department of Nursing programs must be completed with a "C" or better.
2. Applicants must meet the placement and testing requirements for the program for which they are applying.
3. Proof of high school graduation, GED, California Proficiency Exam, or foreign high school evaluated as equivalent to an American high school diploma, if no college degree (AA/AS, BA/BS, MA/MS) posted on transcript.
4. Possession of a Social Security Number (SSN) or Individual Taxpayer's Identification Number (ITIN) is required by the Board of Registered Nursing (BRN) and facilities where clinical rotations are held.
5. Students accepted into the Nursing Program must comply with current department policies which include: possession of current Fire Safety and CPR cards and clinical affiliate policies which include, mandatory orientation, training modules, immunizations, titers, N95 mask fit testing, and COVID-19 vaccinations/boosters.
6. Complete a physical exam, lab tests, and immunizations; and obtain medical clearance to performing required tasks and responsibilities without restrictions.
7. Undergo drug screening and a background check as required by clinical affiliates prior to being allowed into a clinical setting. Students with questions regarding these requirements may contact the department.

B. GENERIC ADN

1. Required prerequisite courses (or their equivalent) include BIOL 112, BIOL 120, BIOL 121; PSYCH 101 (now PSYC C1000), SPCH 101 (now COMM C1000), ENGL 101 (now ENGL C1000); and completion of MATH 136 (now STAT C1000).
2. Coursework required for certificate/licensure includes: NS 200, 201, 205, 208, 210, 211, 212, 213, 214, 215, 216, 222, 223.
3. Graduation requirements: GCC Associate of Arts/ Associate of Science or Cal-GETC. (Please see index for requirements).

C. CERTIFICATE IN REGISTERED NURSING

1. Required prerequisite courses (or their equivalent) include BIOL 112, BIOL 120, BIOL 121; PSYCH 101 (now PSYC C1000); ENGL 101 (now ENGL C1000) and completion of MATH 136 (now STAT C1000).
2. Coursework required for certificate/licensure includes: NS 200, 201, 205, 208, 210, 211, 212, 213, 214, 215, 216, 222, 223.

D. ADVANCED PLACEMENT**1. CAREER LADDER**

- Prerequisite requirement: Current active California VN licensure in good standing.
- Required prerequisite courses: Same as Generic ADN program.
- Coursework required for certificate/licensure: NS 213, 214, 215, 216, 217, 218 and 222.
- A.S. graduation requirements: Same as Generic ADN.

NOTE: A student may apply to take the NCLEX-RN without completion of degree requirements when coursework required for licensure (II.B.2. or II.D.c.) has been completed. Please see the Nursing Department for further information.

- MILITARY PERSONNEL ADVANCED PLACEMENT** and transfer and challenge opportunity are available by departmental policy. Please consult the Veterans Resource Center or the Department of Nursing or the webpage (www.glendale.edu/nursing) for further information.

E. 30-UNIT OPTION

- Prerequisite requirement: Current active California VN license in good standing.
- Prerequisite courses: BIOL 121, and BIOL 112.
- Coursework required for licensure includes NS 213, 214, 215, 216, 217, 218 and 222.

**RESTAURANT MANAGEMENT
AS DEGREE OR CERTIFICATE**

This degree or certificate provides students with the professional preparation required to meet the new trends and demands of management in the food service industry. Certificate courses focus on the fundamentals of operating a food service establishment, emphasizing personnel supervision, purchasing, menu development, cost control, and beverage service, as well as other aspects of management. **Program Learning Outcomes:** Upon completion of this program, students will demonstrate skills and knowledge required in the field of restaurant management including: professional cooking, sanitation practices, institutional purchasing, beverage and bar operations, banquet and catering presentation, and management principles for food service personnel.

REQUIRED COURSES: CULIN 111, 113, 116, HRM 115, 117, 201, 203, 214 or 216, 256; CULIN 50 (three units).

**SOCIAL SCIENCES
AA DEGREE**

This program prepares students to write, read, and think critically about local and global communities. Students are prepared to transfer to baccalaureate degree programs in anthropology, child development, economics, ethnic studies, gender studies, geography, global studies, history, philosophy, political science, psychology and sociology. Students must complete all required core classes and choose other courses from the additional courses listed to total 18 - 21 units. **Program Learning Outcomes:** Upon completion of this program, students will have developed a broad and critical understanding of the complex interconnections between the human and environmental forces in their world.

REQUIRED COURSES:

- Select courses (minimum 6 units) to satisfy each of the following areas:

American Institutions/State & Local Government:

POL S 101.

American History: HIST 111, 117*, 118*.

- Select 12 units from four different disciplines: ANTHR 101, 102, 103, 104, 105, 114; CHLDV 135, 142, 156; ECON 101, 102; ETH S 102, 110, 111, 120, 121, 123, 125, 132, 164, 165, 166; GEOG 101, 102, 103, 106, 107, 110, 111, 155; HIST 103, 104, 105, 106, 113, 115, 117*, 118*, 120, 121, 122, 131, 132, 133, 135, 136, 140, 141, 152, 170, 180; PHILO 101, 115, 116, 117, 118, 119, 120; POL S 102, 103, 104, 108, 110, 111, 112, 115; PSYCH 101, 103, 104, 105, 106, 110, 113, 115, 131, 150, 200, 203; SOC S 101, 105, 110, 127, 130; SOC 101, 102, 103, 104, 105, 131, 140.

*These courses may not be used in more than one area.

**SPEECH/COMMUNICATION
AA DEGREE**

This program is dedicated to understanding how humans communicate. It is designed for students who recognize that their future success as leaders in the Digital Age depends on compelling spoken and written messages that connect, educate, persuade and inspire audiences. For students trained in Speech Communication, employment possibilities include fields such as: business and sales management, advertising, public and media relations, personnel training, education, entertainment, organizational leadership, mediation and conflict management, religion, nonprofit leadership, politics and law. Students must complete all required core courses, and choose other courses from the additional courses listed to total 22 units. **Program Learning Outcomes:** Upon completion of this program, students will be able to demonstrate oral and written communication skills to produce effective speeches; demonstrate increased appreciation of the speech communication process, and demonstrate the ability to apply critical thinking skills in the areas of speaking and listening.

REQUIRED COURSES: ENGL 101; SPCH 101.

Select three from the following: SPCH 100, 103, 104, 106, 108.

OPTION 1: Select one course: PSYCH 101; SOC 101.

OPTION 2: Select one course: SPCH 107, 115, 120, 160.

SPORTS COACHING AS DEGREE OR CERTIFICATE

This degree or certificate provides students a foundation in evidence-based coaching theories and effective practices to prepare students to become sports coaches for community or competitive sports. Communication techniques, sports-skills development and ethical standards are emphasized, along with considerations for coaching a diverse population of athletes across all ages, racial backgrounds, competition levels and abilities. Students should be able to perform moderate physical activity and communicate verbally in English before starting this program, and are encouraged to practice their focus sport(s) through PE sports classes or intercollegiate sports competition prior to and/or during the program. Students must complete all required core courses for a total of 22-25 units. **Program Learning Outcome:** Upon completion of this program students will be able to Evaluate coaching philosophies, leadership styles, skill development tools, and practice organization strategies to enhance the growth of athletes. Develop and examine the value of effective communication with administration, parents, officials and student athletes to facilitate positive social growth. Recognize ethical and social responsibilities in the area of coaching and how to work through ethical dilemmas in sport.

REQUIRED COURSES: HLTH 101; KIN 157, 167, 168, 170; PSYCH 170; Select one of the following: KIN 151, 171, 144, 146 .
Select one of the following: HLTH 128; NUTR 125.
Select one of the following: ETH S 110, 121; ENGL C1000.
Select one of the following: PE 140, 150, 202, 210, 217, 220, 238, 256, 261, 274.

THEATRE ARTS AA DEGREE

Choose from one of the following options:

Option 1: General

Students completing an Associate in Arts in Theatre Arts: General learn to identify theatre as a collaborative art form; analyze a play from script to performance; apply skills and knowledge of theatre in preparation for transfer; and identify theatre terms and occupations. Students must complete all required courses for a minimum of 25-29 units. **Program Learning Outcomes:** Upon completion of this program, students will be able to apply skills and knowledge of theatre in preparation for transferability or vocation; analyze a play from script to performance; identify theatre terms and occupations; and identify theatre as a collaborative art form.

REQUIRED COURSES: T ART 101, 171;
Three units from: T ART 100, 103;
Four units from: T ART 160, 161, 162, 163, 164, 180, 181, 182, 183, 184;
Nine units from: DANCE 130, 145; SPCH 105; T ART 102, 107, 109, 110, 121, 122, 123, 129;
One course from: ENGL 125; HUMAN 117; SPCH 105; T ART 104, 106, 111, 140, 155.

Option 2: Acting

Students completing an Associate in Arts in Acting will learn to demonstrate respect and appreciate plays and theatre as a collaborative art form; analyze and evaluate play scripts; apply skills and knowledge of theatre in preparation for transfer; demonstrate a basic knowledge of physical stage and dramatic text terminology; and interpret and implement verbal and written instructions. Students must complete all required courses for a minimum of 28-38.5 units. **Program Learning Outcomes:** Upon completion of this program, students will be able to apply skills and knowledge of theatre in preparation for transferability or vocation; analyze a play from script to performance; identify theatre terms and occupations; and identify theatre as a collaborative art form.

REQUIRED COURSES: T ART 101, 103, 107, 109, 111, 129;
Two units from: DANCE 125, 145, 190;
Four units from: T ART 123, 171, 180, 181, 182, 183, 184;
Four units from: T ART 160, 161, 162, 163, 164;
Three units from: ENGL 125; HUMAN 117; MUSIC 135, 170; SPCH 101, 105, 106; T ART 102, 104, 106, 140, 155.

WEB DEVELOPMENT AS DEGREE OR CERTIFICATE

This degree or certificate is designed for both the IT professional and the college student seeking a thorough preparation for the field of Web development. Course work includes Internet technologies, Web graphic design skills, programming and scripting for the Web. Students must complete all required courses for a minimum of 24 units. **Program Learning Outcomes:** Upon successful completion of this program, the student will be able to use industry standard tools and techniques to produce, publish and maintain Websites and Web content. A major skill-building project spanning three semesters is included in the course work.

REQUIRED COURSES: CS/IS 255, 260, 261, 262, 264, 265, 266;

A minimum of nine units from the following courses: CS/IS 190, 112, 172, 234; ENTRE 101, 102.

WELDING AS DEGREE OR CERTIFICATE

This degree or certificate is designed to train students in all fundamental processes of welding including Oxy/Acetylene, Metal Inert Gas (MIG), Arc, and Tungsten Inert Gas (TIG). Students prepare to successfully pass the American Welding Society (AWS) certification exams and to enter this in-demand workforce within one to two years. Students must complete all required courses for a minimum of 19 - 20 units. **Program Learning Outcomes:** Upon completion of this program, students will be able to demonstrate the skills necessary to read engineering drawings and solve technical mathematics problems as they relate to welding tasks. Students will complete introductory and advanced level welding projects using various techniques and procedures. Students will discuss metallurgical concepts, heat treating procedures, and machine tool technology concepts.

REQUIRED COURSES: ENGR 102; WELD 117, 118 or 121, 122, 123, 124, 125 or 126; MTLGY 150.

CERTIFICATE PROGRAMS

Certificate Programs are primarily business and technical programs for students desiring education beyond high school. These programs provide opportunities for students to prepare themselves for a wide variety of careers. In most cases these programs are planned without regard to transfer schools; however, many courses are transferable to four-year colleges or universities if students change their educational goals.

1. Certificates of Achievement shall be issued upon request by the Office of Admissions and Records to students who qualify by completing one of the occupation-centered curriculums. The student must have a grade of "C" or better in all courses constituting the certificate program.
2. To earn a certificate, students must complete the number of units required by the division. No certificate shall consist of less than 8 semester units.
3. At least 6 units of the required courses must be completed at Glendale Community College.
4. Students pursuing certificate programs of less than 16 units are not eligible for financial aid.

The following certificates do not satisfy the major requirements for an AA/AS degree.

ACCOUNTING CERTIFICATE

Program Learning Outcomes: Upon completion of this program, students will be able to demonstrate the ability to read and understand the contents of a corporation's annual report. Students will be composing entry-level correspondence and respond to correspondence initiated by others. Students will be able to create, edit, and print worksheets using formulas and statistics, date and time, financial and logical functions to solve business information. Students must complete all required courses for a total of 34-35 units.

REQUIRED COURSES: ACCTG 101, 102, 120; BUSAD 101, 120; CABOT 105* or BUSAD 106, CABOT 270 or ACCTG 180; CS/IS 101.

A minimum of 5 units must be selected from the following: ACCTG 110**, 121, 130, 150, 155, 156, 157, 160, 165, 170, 175, 180***, 201, 202, 210, 220, 225, 230, 235; BUSAD 106***, 131, 135, 136; CABOT 106, 271; ECON 101, 102; INTERN 50 (ACCTG).

*CABOT 105 is appropriate for certificate students.

***If not used to fulfill CORE requirement

NOTE: Students can also earn an AS by completing the General Education requirements.

ADDICTION STUDIES COUNSELING OR CERTIFICATE

This certificate prepares students to perform counseling duties consistent with entry level addiction counselor positions in multiple levels of care. The 39-unit curriculum is an accredited and state approved and prepares graduates for the workforce with the required skills, competencies and standards to serve those afflicted with substance use disorders. **Program Learning Outcomes:** Upon completion of this program, students will be able to demonstrate the ability to utilize their counseling and cognitive abilities necessary to integrate the counselor skills and ethical standards learned in the preceding Alcohol/Drug Studies Counseling program courses. Students will be able to demonstrate the cognitive and counseling abilities necessary to integrate the counselor competencies and standards learned in a two year Alcohol/Drug Studies Counseling program, including evidence-based theory and competencies inherent in entry level alcohol/drug counselor positions. Program Learning Outcomes include; appropriate evaluation and assessment, application of case management skills, application of group and individual counseling methodologies and creating and adhering to treatment planning standards of care. Student must complete the core courses and selected courses from each section as designated, for a total of 39 units.

CORE CURRICULUM (9 units): ADST 101, 103, 105, 114.

BEHAVIORAL COURSES: REQUIRED: PSYCH 101.

REQUIRED SKILL COURSES: ADST 110, 112, 119.

REQUIRED INTERNSHIP COURSES (8 units): ADST 50 and ADST 152, 153.

Select 3 units: ADST 111.

FIELD EXPERIENCE (4 units): ADST 154.

NOTE: Students can also earn an AS by completing the General Education requirements.

ADMINISTRATION OF JUSTICE CERTIFICATE

This certificate is designed to provide a broad-based education in the areas of law enforcement, corrections and the judicial system. The program is appropriate for students seeking employment as a law enforcement officer, correctional officer, probation or parole officer, or as a legal professional such as a paralegal or attorney. Students will demonstrate an understanding of the major components and function of the criminal justice system in America. Students will demonstrate knowledge of criminal laws in California. Students will define ethics in law enforcement and the consequences of unethical behavior. Students must complete all required courses for a total of 30 units.

Program Learning Outcomes: Upon completion of this program, students will demonstrate an understanding of concepts in: criminal law, law enforcement procedures, crisis intervention, legal aspects of evidence and forensic science; discuss the aspects of community relations; discuss the techniques used in investigation procedures; and discuss the different aspects of special crimes.

REQUIRED COURSES: ADMJ 101, 103, 110, 117, 118, 120, 134, 170.

A minimum of six units from the following: ADMJ 107, 108, 116, 129, 130, 165, 202.

RECOMMENDED COURSES: ADMJ 201, SPCH 101.

NOTE: Students can also earn an AS by completing the General Education requirements.

ANIMATION, VISUAL EFFECTS, AND GAME DESIGN CERTIFICATE

This certificate offers introductory to intermediate training to students in a range of entertainment production areas including 2-D storyboarding, 2-D and 3-D keyframe animation, 2-D and 3-D character, object, and environment design. This degree prepares students to transfer to 4-year degree programs in animation, visual effects, and game design and also enables artists with industry experience or prior degrees in art to learn new production skills. Students must complete all required core courses in order to reach 18-21 units. **Program Learning Outcomes:** Upon completion of this program, students will be able to Create 2-D and 3-D character designs, storyboards, or animations. Create video game play levels or assets.

REQUIRED COURSES: ART 130, 150, 152.

Select one of the following options:

ANIMATION DESIGN: ART 201, 205, 209, 210.

DIGITAL CHARACTER DESIGN: ART 231, 232, 245, 246

CHARACTER RIGGING & ANIMATION: ART 233, 234, 235.

NOTE: Students can also earn an AS by completing the General Education requirements.

ARCHITECTURAL DRAFTING AND DESIGN CERTIFICATE

This certificate is designed to prepare students to enter employment as an architectural drafter and designer in the building construction field, permit technician, and interior designer. Students will receive training in traditional and computer aided drafting, residential and commercial building design, interior design, building codes, and print reading. Students must complete the required courses for a total of 42 - 46 units.

Program Learning Outcomes: Upon completion of this program, students will demonstrate techniques to accomplish drawings utilizing different computer aided design (CAD) software; develop a portfolio of their work (this portfolio will show the students best work from different classes within the department, discuss building construction techniques, principles, and building code); demonstrate skills in the production of working drawings of residential and commercial structures; and discuss how design/drawing techniques, application of the International Building Code (IBC), building construction techniques, and other standards affect the design of their structure.

REQUIRED COURSES: ARCH 101, 103, 105, 106, 120, 125, 130, 135, ENGR 109.

Select one course from option 1: ARCH 102 or 141 or 250

Select one course from option 2: ART 130 or 150

Select one course from option 3: BUSAD 152 or SPCH 101;

Select one course from the following: T ED 140*, ENGL 100*, 101, 102, 104.

Select one course from the following: T ED 142* or MATH 100 or 90.

***Units earned for this course may not be counted toward graduation.**

NOTE: Students can also earn an AS by completing the General Education requirements.

ART CERTIFICATE

Program Learning Outcomes: Upon completion of this program, students will be able to demonstrate skill in a broad range of media, materials and processes, define and use core concepts in 2D or 3D art, where applicable, produce original work that demonstrates a high level of craft, describe, analyze and provide criticism of works of art in various media, prepare and organize art works for exhibition, if applicable, and understand safe and hazard-free use of art materials and equipment. For students who are interested in art as a career, the following courses (from one of the two options) are required:

REQUIRED COURSES: ART 101, 102, 130, 131, 150, 152, 179, 280.

Select one of the following options:

TWO-DIMENSIONAL: ART 160, 166.

Select three units from: ART 138, 180, 186.

Select three units from: ART 164, 170, or PHOTO 101.

THREE-DIMENSIONAL: ART 138, 180, 186, 187, 190.

NOTE: Students can also earn an AS by completing the General Education requirements.

AVIATION AND TRANSPORTATION CERTIFICATE

AVIATION ADMINISTRATION

This degree or certificate is designed for those who wish to enter civil aviation work as clerks, agents, station and traffic managers, or fixed base operators. **Program Learning Outcomes:** Upon completion of this program, students will demonstrate an understanding of the differences and similarities between general aviation and commercial aviation; demonstrate the skills required to establish and manage airport operations; and identify effective techniques of flight training and flight school management.

REQUIRED COURSES: AT 120, 128; BUSAD 101; ENGL 101; PSYCH 101; SPCH 101.

A minimum of four units from the following: AT 121, 122, 123, 124, 125, 126, 127, 129, 131, 132, 134, 136; ACCTG 101, 102, 110; CS/IS 100, 101; ECON 101, 102.

NOTE: Students can also earn an AS by completing the General Education requirements.

PILOT TRAINING

Program Learning Outcomes: Upon completion of this program, students will demonstrate the skills required to successfully pass the FAA knowledge exam appropriate to the rating sought. Students will demonstrate an understanding of Federal Aviation Regulations and proficiency in cross country flight planning. Students will demonstrate practical skills required to pass FAA practical testing for the rating sought.

Training offered in this field:

1. Instruction: For those who wish to complete two years of college to become eligible to enter civil aviation as professional pilots.
2. Basic Pilot Training: Prepares the student for the FAA Private Pilot Airplane written examination for the Private Pilots License. Required course is AT 120.
3. Advanced Pilot Training: A program designed to give private pilots adequate aeronautical knowledge and experience necessary to enter the field as commercial pilots with an instrument rating as their career. To enter this program, it is recommended the student satisfactorily complete AT 120*.

REQUIRED COURSES: AT 112, 113, 120, 121, 122, 123, 124, 125.

RECOMMENDED COURSES: AT 134, 136.

*AT 120 may be taken credit by exam.

**AS/Certificate are Financial Aid Ineligible

NOTE: Students can also earn an AS by completing the General Education requirements.

FLIGHT ATTENDANT CERTIFICATE NON-DEGREE

The Flight Service-Airline and Travel Careers program prepares men and women of all ages to compete for positions available as flight attendants in the airline and travel industry. As training progresses, students perform volunteer service at area airports to gain invaluable public personal contact experience. Students must complete all required courses to total 24 units. **Program Learning Outcomes:** Upon completion of this program, students will demonstrate skills required to seek and obtain employment as a flight attendant; identify and assess behavior patterns associated with panic; demonstrate knowledge of location and use of aircraft emergency equipment, and demonstrate skills required during emergency evacuation of aircraft.

REQUIRED COURSES: AT 129, 130, 132, 137, 138; HLTH 102; BUSAD 152; GEOG 101.

BIOTECHNOLOGY CERTIFICATE

The Biotechnology Certificate of Achievement Program is the first that introduces students to the field of biotechnology through building and strengthening the basic biotechnology laboratory skills and soft skills that meet industry standards in a series of courses. This program prepares students with the basic skills for entry level positions in biotechnology, such as manufacturing technician, in addition to providing them with the basic foundation in microbiology, molecular and cell biology laboratory skills for undergraduate research at four-year colleges. To gain authentic, hands-on research experience, students are recommended to take the BIOL 298 path prior to transfer to a four-year college. Students must complete all required core courses for a total of 15-17 units. **Program Learning Outcomes:** Upon completion of this certificate program, students will be qualified for a manufacturing technician job, and will have mastery of basic biotechnology laboratory skills and work readiness skills. Learn skills necessary for a manufacturing technician job Master basic biotechnology laboratory skills Acquire work-readiness skills.

REQUIRED COURSES: BIOL 101 or 112 or 122 or 140, BIOL 141 or 298; ENGL 101; MATH 100.

BIOTECHNOLOGY RESEARCH LAB ASSISTANT CERTIFICATE

The Biotechnology Research Lab Assistant Certificate of Achievement Program is the second level that introduces students to the field of biotechnology through strengthening and building on the basic biotechnology laboratory skills and soft skills that meet industry standards in a series of courses. This program prepares students with the skills for entry level and laboratory research assistant positions in biotechnology, such as manufacturing and biomanufacturing technician, in addition to providing them with the foundation in microbiology, molecular and cell biology laboratory skills for undergraduate research at four-year colleges. To gain authentic, hands-on research experience, students are recommended to take the BIOL 298 path prior to transfer to a four-year college. Students must complete all required core courses for a total of 19 - 21 units. **Program Learning Outcomes:** Upon completion of this certificate program, students will be qualified for a manufacturing or biomanufacturing technician job, and will have mastery of basic biotechnology laboratory skills and good documentation practices in biomanufacturing, and work readiness skills. Learn skills necessary for a manufacturing or biomanufacturing technician job Master basic biotechnology laboratory skills and good documentation practices in biomanufacturing Acquire work-readiness skills.

REQUIRED COURSES: BIOL 142; ENGL 101; MATH 100.

Select one of the following: (4-5 units) BIOL 101, 112, 122, 140

Select one of the following: (3-4 units) BIOL 141, BIOL 298

BIOTECHNOLOGY RESEARCH LAB TECHNICIAN CERTIFICATE

The Biotechnology Research Lab Technician Certificate of Achievement Program is the third level that introduces students to the field of biotechnology through strengthening and building on the basic and advanced biotechnology laboratory skills and soft skills that meet industry standards in a series of courses. This program prepares students with the skills for laboratory technician positions in biotechnology and in academic research institutions, such as life science technician and biological technician (with a bachelor's degree). The program also provides students with the foundation in microbiology, molecular and cell biology laboratory skills for undergraduate research at four-year colleges. To gain authentic, hands-on research experience, students are recommended to take the BIOL 298 path and conduct internship (BIOL 50) at a four-year college prior to transfer to a four-year college. Students must complete all required core courses for a total of 25-30 units. **Program Learning Outcomes:** Upon completion of this certificate program, students will be qualified for a lab technician job, and will have mastery of advanced biotechnology laboratory skills, good documentation practices, and work readiness skills. Learn necessary skills for a lab technician job Master advanced biotechnology laboratory skills and good documentation practices Acquire work-readiness skills.

REQUIRED COURSES: BIOL 142, 50; CHEM 110; ENGL 101; MATH 100.

Select one of the following: (4-5 units) BIOL 101, 112, 122, 140

Select one of the following: (3-4 units) BIOL 141, BIOL 298

NOTE: Students can also earn an AS in Biotechnology by completing the General Education requirements.

BUSINESS ADMINISTRATION CERTIFICATE

ENTREPRENEURSHIP/SMALL BUSINESS II

This certificate equips students with the essential skills and knowledge to start and manage successful small businesses. This comprehensive program covers key areas such as business fundamentals, marketing, finance, and management. Students will learn to create effective business plans, set up payroll systems, and interpret financial data. Through a combination of core courses and electives, graduates will be prepared to launch their own ventures or contribute to existing small businesses with a solid foundation in entrepreneurial principles and practices. **Program Learning Outcomes:** Upon completion of this program, students will understand and apply the business skills necessary to start or manage a successful small business; be able to create a written business plan; and be able to set-up a payroll system and interpret the data from various forms.

REQUIRED COURSES: ENTRE 101, 102; BUSAD 158 or ENTRE 103
Select one of the following: (Writing) BUSAD 106; CABOT 105
Select two of the following: BUSAD 163, 165, 169, 50; ACCTG 120 or 130

FINANCIAL PLANNING & INVESTMENT II

This certificate program is tailored for individuals interested in the business side of financial planning and investments. Students will grasp finance terminology and articulate themselves analytically, employing concepts such as time value of money, liquidity analysis, profitability analysis, and equity management. They will also learn to utilize investing tools to assess investment suitability and craft a personal income statement and balance sheet to best prepare them for various careers in finance. **Program Learning Outcomes:** Upon completion of this program, students will be able to Understand the terminology of finance and express themselves analytically using time value of money concepts, liquidity analysis, profitability analysis, and equity management concepts. Apply the tools of investing to determine the appropriateness of an investment. Develop and prepare a personal income statement and balance sheet.

REQUIRED COURSES: ACCTG 101; BUSAD 101, 131, 134, 136
Select of the following courses: BUSAD 120, 135; ACCTG 150

GENERAL BUSINESS

This certificate is designed for students who are interested in a broad knowledge of business. Students completing this certificate are interested in working in a medium or large business environment. **Program Learning Outcomes:** Upon completion of this program, students will be able to examine the key functions of business including finance, management, human resources, and marketing from respective courses. Integrate knowledge from various business disciplines to develop strategic solutions for complex business problems and scenarios. Develop interpersonal, teamwork, and leadership skills necessary for effective collaboration in diverse business settings.

REQUIRED COURSES: ACCTG 101; BUSAD 101, 106
Select two course from the following: (6 - 8 units) BUSAD 110, 120, 131, 141, 162; CS/IS 100 or 101 or CABOT 260.

INTERNATIONAL BUSINESS II

This certificate presents the business concepts necessary to compete in the International Global Marketplace. It prepares students to import, export, and/or establish an overseas business presence. This program is designed for both the individual entrepreneur and the established company executive. Students will evaluate cross-cultural issues of marketing a product or service, explain the functions of the U.S. Customs Agency and other regulatory agencies, and describe the documentation required by each agency. **Program Learning Outcomes:** Upon completion of this program, students will be able to evaluate cross-cultural issues of marketing a product or service. Explain the functions of the U.S. Customs Agency and other regulatory agencies. Describe the documentation required by each agency.

REQUIRED COURSES: ACCTG 101; BUSAD 101, 170
Select one course from the following: (3 units) BUSAD 106 or CABOT 105
Select two courses from the following: (6 units) BUSAD 120, 158, 162, 178

**BUSINESS INFORMATION WORKER (BIW)
CERTIFICATE NON-DEGREE**

The Business Information Worker (BIW) Certificate of Achievement is designed to prepare students for entry-level office and administrative support in a variety of job positions, including general office clerks, retail salespersons, customer service representatives, receptionists, and information clerks, hospitality and tourism, financial services and real estate. Students can be expected to learn the following: Basic oral and written communications, Basic computer application skills, including beginning Excel, Word, and Outlook, The fundamentals of computer systems, Critical thinking and problem solving skills, Construct and modify solutions to very simple personal, educational or business needs applying use of office workplace computer programs. With a solid foundation in Microsoft Windows and Microsoft Office, as well as strong digital and web literacy skills, students will be better prepared to meet the workforce demands of today's business environment. Students must complete all required courses to total 22 units. **Program Learning Outcomes:** Upon completion of this program, students will be able to: produce basic business correspondence and reports with appropriate formatting using Word; maintain an office calendar for one or more individuals; develop simple spreadsheets with charting; discuss computer equipment and programming system needs; troubleshoot basic computer problems; communicate, make informed decisions, and handle personnel problems in office environments.

REQUIRED COURSES: BUSAD 106, 110; CABOT 205, 208, 265, 270, 285; CS/IS 100.

**CAL-GETC — GENERAL EDUCATION
CERTIFICATE NON-DEGREE**

This certificate will be awarded to a student who completes the general education requirements. After completing all requirements, students must request Cal-GETC certification to be posted to their official GCC transcript by submitting the Transcript Request form to the Admissions & Records Office.

CERAMICS CERTIFICATE

This certificate is designed for students wishing to prepare for employment in the commercial ceramic industry. Emphasis is on job-related skills such as production forming techniques, surface design techniques, glaze formulation and application, chemical safety, and kiln technology. The certificate is also designed for those setting up their own production studios to work as independent artists. Students will demonstrate skill in a broad range of ceramic techniques, define and use core concepts used in the ceramic area, produce original work that demonstrates a high level of craft, and describe, analyze and provide criticism of ceramic work. Students must complete all required courses for a total of 27 units. **Program Learning Outcomes:** Upon completion of this program, student will be able to define and use core concepts used in the ceramic area; describe, analyze and provide criticism of ceramic work; produce original work that demonstrates a high level of craft; and demonstrate skill in a broad range of ceramic techniques.

REQUIRED COURSES: ART 130, 186, 187, 188, 190, 191, 192, 193, 195.

RECOMMENDED COURSES: ART 111.

NOTE: Students can also earn an AS by completing the General Education requirements.

CHILD DEVELOPMENT CERTIFICATE

The following certificate options are designed to support and encourage the professional development of students who aim for a career in: Infant, Toddler, and/or Preschool Education; School Age Child Care; and/or Early Childhood Administration and Supervision. Each certificate is aligned with the California Child Development Permit, which is issued through the California Commission on Teacher Credentialing. The permit enables an educator to move along a career ladder which supports a hierarchy of professional goals and competencies relative to employment and leadership. **Program Learning Outcomes:** Upon completion of this program, students will develop an understanding of young children, and of the multiple interacting influences on children's development and learning in order to create environments that are healthy, respectful, supportive and challenging for all children; understand and value the importance and complex characteristics of children's families and communities; use this understanding to create respectful, reciprocal relationships that support and empower families and involve families in their children's learning and development; articulate and understand the goals, benefits, and uses of observation and assessment; develop competence in the use of observation, documentation and assessment techniques and tools to support teaching and learning in partnership with families and other professionals; plan and implement developmentally appropriate, culturally and linguistically relevant experiences that promote and/or support

development and learning for all young children; and identify as a member of the early childhood profession, understand and use ethical guidelines and other professional standards related to early childhood practice.

The following General Education courses are required for the Teacher — Preschool, Infant/Toddler or School Age Care, and Master Teacher certificates.

*Select 16 units from the Glendale College Associate Degree General Education area 9A-D (see AA/AS requirements) with at least one course from each of the following areas:

- 9a. Natural Science **OR** 9d.(2). Mathematics course
- 9b. Social Science
- 9c. Humanities
- 9d.(1). English Composition

For students completing an AS degree in Child Development, Glendale Community College requires that you satisfy additional courses in American Institutions/State & Local Government, U.S. History, Mathematics, Health, Physical Education, First Aid, Cultural Diversity, as well as the major. Please see Graduation Requirements areas 1-8 in the catalog.

TEACHER

This curriculum is designed for those students who plan careers in teaching in a preschool setting. The curriculum requires completion of 24 units of Child Development courses plus 16 units of General Education courses. This certificate is aligned with the California Child Development Permit, which is issued through the California Commission on Teacher Credentialing.

REQUIRED COURSES: CHLDV 133, 135, 138, 140, 141, 142, 150, 156, 181.

INFANT/TODDLER

This curriculum is designed for those students who plan careers in teaching in an infant/toddler education setting. The curriculum requires completion of 27 units of Child Development courses plus a minimum of 16 units of General Education courses, necessary for the California Child Development Permit.

REQUIRED COURSES: CHLDV 133, 135, 138, 140, 141, 142, 147, 150, 156, 180.

SCHOOL-AGE CARE

This curriculum is designed for those students who plan careers in teaching in a school-age child care setting. The curriculum requires completion of 27 units of Child Development courses plus 16 units of General Education, necessary for the California Child Development Permit.

REQUIRED COURSES: CHLDV 133, 135, 137, 138, 140, 141, 142, 150, 156, 182.

MASTER TEACHER

This curriculum is designed for those students who plan teaching careers in an early childhood setting. The program requires completion of the 27 units of Child Development curriculum plus 16 units of General Education courses, necessary for the California Child Development Permit.

REQUIRED COURSES: CHLDV 133, 135, 138, 140, 141, 142, 150, 156, 176, 180 or 181 or 182.

SITE SUPERVISOR

This curriculum is designed for those students who plan careers in early childhood administration and supervision. The program requires completion of 33 units in Child Development plus the completion of the requirements for the Associate in Science degree.

REQUIRED COURSES: CHLDV 133, 135, 138, 140, 141, 142, 150, 156, 174, 175, 176, 180 or 181 or 182.

**CHOREOGRAPHIC STUDIES AND DANCE
TECHNIQUE
CERTIFICATE**

This certificate is designed to provide academic and hands-on learning experience for individuals planning a career as dancer or choreographer in commercial dance or in dance companies. Students gain the knowledge, skills and abilities required to transfer to a four-year college or audition for work in the dance industry. Students must complete the required courses and choose additional courses to total a minimum of 25 units. **Program Learning Outcomes:** Upon completion of this program, students will be able to integrate technical dance skills using correct body alignment and muscle coordination and compare various dance forms in relation to historical and cultural context.

REQUIRED COURSES: DANCE 100 or 102; 114, 117, 122, 127, 129, 130, 135 or 136, 137, 190 or 194.

A minimum of six units from the following courses: ART 102, 125, 130; DANCE 124, 126, 127 or 128; HUMAN 115; KIN 157; MUSIC 101, 135, 230, 236, 237; T ART 101, 103, 104, 109, 123, 129, 134.

NOTE: Students can also earn an AS by completing the General Education requirements.

**CINEMATOGRAPHY AND EDITING
CERTIFICATE NON-DEGREE**

Program Learning Outcomes: Upon completion of this program, students will demonstrate an effective ability to work as a member of a 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 mastery of conceptual editing techniques to support storytelling and solving story problems through the use of editing dialogue, sound design, music, and sound effects to complete the creation of the master for final deliverables; and demonstrate an understanding of composition, film language and lighting techniques to support the creative vision of the director.

REQUIRED COURSES: ENGL 112; MEDIA 103, 107, 110, 112, 213, 290; PHOTO 121.

Select at least three units from the following: ART 210, 220; MEDIA 105; PHOTO 106, 130; T ART 100.

**CLOUD COMPUTING
CERTIFICATE NON-DEGREE**

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 required courses for a total 18-20 units. **Program Learning Outcomes:** Upon completion of this program students with the knowledge necessary to Design complex elastic cloud systems. Design security systems that limit the risk of attack on an organization cloud systems. Design resilient database systems for the cloud.

REQUIRED COURSES: CS/IS 240, 241, 242, 243.

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

*Financial Aid Ineligible

COMPUTER APPLICATIONS AND BUSINESS OFFICE TECHNOLOGIES CERTIFICATE

ADMINISTRATIVE ASSISTANT

This certificate prepares students for employment in an office setting performing clerical job duties, such as word-processing business correspondence, operating office equipment, micro-computer operation, scheduling appointments, coordinating and overseeing office functions. The coursework is comprised of traditional business concepts which encompass accounting principles, human relations as they apply to the business environment, general office procedures, written business communications, management speaking techniques, and Microsoft Office applications. Special emphasis is placed on providing comprehensive instruction in the structure, mechanics, and strategies of technical writing, as well as oral communications. Students will focus on the development and proper use of English vocabulary, both general and specialized, critical thinking and composition skills, effective speaking and interviewing techniques. Students must complete all required core courses for a total of 30-31 units. **Program Learning Outcomes:** Upon completion of this program, the student will be able to initiate and respond to correspondence effectively while using the latest automated technology, system software (Windows), and application software (Word, Excel, and Outlook) to perform more advanced skills; become familiar with Global information systems to be able to sign on to an account and use common utilities, including e-mail and Web browsers to search a variety of databases for information; acquire the necessary knowledge and skills of accounting and bookkeeping to be able to use journals and ledgers to prepare balance sheets and income statements and be able to translate accounting records into a basis for sound decision making in a variety of businesses; be able to use a variety of office procedures to perform such tasks as sorting mail, filing and processing documents; develop interpersonal skills to conduct and participate in job interviews, practice effective human relation skills in business, handle telephone conversations with ease, and develop skills to communicate more effectively with customers and other employees verbally; and type by touch at a minimum of thirty (30) words a minute and to create, edit, and format advanced features for any business document including forms, medical and legal forms, resumes, job applications, bibliographies, footnotes/endnotes, newsletters.

REQUIRED COURSES: BUSAD 106 or 152; CABOT 101, 102, 103, 104, 205, 208, 265, 270.

Select two courses from the following: ACCTG 110; BUSAD 110; CABOT 110, 266, 285.

NOTE: Students can also earn an AS by completing the General Education requirements.

GENERAL OFFICE

This degree or certificate is designed to train students to meet the needs for qualified office staff skilled in office procedures including filing and processing documents; writing and editing documents; communicating with employees and clients; and working with office technologies and Windows OS system software. Students must complete all required core courses for a total of 28 units. **Program Learning Outcomes:** Upon completion of this program, the student will be able to use a variety of office procedures to perform such tasks as sorting mail and answering telephones; filing and processing documents; edit and revise memos, e-mails, letters and reports; the student will be able to identify the personal traits that lead to effective human relation skills in business and develop skills to work more effectively with customers and other employees, including communicating with clients verbally face-to-face and over the telephone; the student will be able to perform basic operations in Word, Excel, Access, and PowerPoint; compose entry-level correspondence using appropriate business language and cohesive, grammatically correct sentences; become familiar with Global information systems and be able to sign on to an account and use common utilities including e-mail and Web browsers to search a variety of databases for information; the student will be able to utilize the Windows operating system and to understand basic computer terminologies; and the student will be able to type by touch at a minimum of thirty (30) words a minute and to create, edit, and format advanced features for any business document including forms, medical and legal forms, resumes, job applications, bibliographies, footnotes/endnotes, newsletters.

REQUIRED COURSES: BUSAD 110; CABOT 101, 102, 103, 104, 105, 110, 208, 205, 260.

NOTE: Students can also earn an AS by completing the General Education requirements.

**COMPUTER INFORMATION SYSTEMS
CERTIFICATE**

This certificate is designed to prepare students for employment in the IT workforce as entry-level Programmers, entry-level Database Programmers, Application Analysts, Programmer Analysts, Business Analysts, System Analysts, PC Support Specialists, Technical Support, User Support Specialists and etc. Students will demonstrate their proficiency through performance in laboratory exercises and objective examinations. The student will analyze simple business or technical problems relevant to programming, and prepare solutions to them; implement a program in either C/C++ or Java, using objects; and demonstrate an understanding of the operations and processes of a computer relevant to programming. Students must complete all required core courses and select additional courses for a total of 32 units. **Program Learning Outcomes:** Upon completion of this program, the student will analyze simple business or technical problems relevant to programming, and prepare solutions to them; implement a program in either C/C++ or Java, using objects; and demonstrate an understanding of the operations and processes of a computer relevant to programming.

REQUIRED COURSES: BUSAD 106 or ENGL 101; CS/IS 101, 112, 151 or 135, 172, 190, 260.

Select at least eight units from the following: BUSAD 110; CS/IS 130, 135, 137, 139, 174, 193, 234, 261, 262, CS/IS 50 (3 units); ENTRE 101, 102.

NOTE: Students can also earn an AS by completing the General Education requirements.

**COMPUTER NETWORKING
CERTIFICATE NON-DEGREE**

This certificate is designed to prepare students for a career in computer networks. Students receive hands-on instruction on how to operate, install, configure, troubleshoot, upgrade, and maintain computers and computer networks as well as basic network security. Students will become fully prepared to take the A+ and Network+ certification tests sponsored by CompTIA and offered at testing centers throughout the country. This certificate requires 18 units. **Program Learning Outcomes:** Upon completion of this program, prepares students to take the industry recognized CompTIA exams to work an entry level IT networking position; Administer a small, medium, or large network infrastructure in an organizational setting; Administer servers, clients, and other networkable equipment including operating systems.

REQUIRED COURSES: CS/IS 190, 194, 196, 197.

Select two courses from the following: CS/IS 172, 174, 183, 186, 193, 240, 242.

**COMPUTER PROGRAMMER
CERTIFICATE NON-DEGREE**

Program Learning Outcomes: Upon completion of this program, the student will be able to analyze a programming task/problem; based on that analysis, design and implement an object oriented program using multiple classes in a high level language; and demonstrate the ability to independently create, save, modify and print a document using a word processing program and appropriate assistive technology.

REQUIRED COURSES: CABOT 102; CS/IS 101, 112, 130, 135, 137, 139.

**COMPUTER SUPPORT TECHNICIAN
CERTIFICATE NON-DEGREE**

Program Learning Outcomes: Upon completion of this program, the student will demonstrate an understanding of computer structure and operations. Students will possess a basic knowledge of computer operation and capabilities with the skills to troubleshoot problems or aid in user support.

REQUIRED COURSES: CABOT 102, BUSAD 110; CS/IS 101, 112, 172, 190.

RECOMMENDED PREPARATION: CABOT 206 or 208.

**COMPUTER SCIENCE
CERTIFICATE**

This certificate is designed for those students interested in computer science, either as a professional concentration, or for transfer to a four-year computer science program. Upon completion of this certificate program, students will be able to name the four basic parts of computer organization and have a working knowledge of assembly language. Students will be able to describe recursion, linked lists, queues, and stacks and algorithm efficiency, as well as, procedural, functional, logic and object-oriented programming languages. Students must complete the required courses and choose additional courses to total a minimum of 37 units. **Program Learning Outcomes:** Upon completion of this program, students will prepare a software project to implement a single scientific, mathematical, business, or technical function.

REQUIRED COURSES: CS/IS 165, 166, 211, 212, 280.

Select twenty units from the following: CS/IS 101, 112, 125, 130, 135, 137, 139, 172, 174, 190; MATH 103E, 104E, 107; PHY 101.

NOTE: Students can also earn an AS by completing the General Education requirements.

COMPUTER SOFTWARE TECHNICIAN CERTIFICATE

This certificate is designed to train students to meet the rapidly growing need for qualified hardware/software technicians, having a blend of hardware and software skills. Students will write a computer program using C/C++, Java, or Visual Basic. Students must complete all required CORE courses, and choose other courses from the additional courses listed to total 24 units. **Program Learning Outcomes:** Upon completion of this program, the student will write a computer program using either C/C++, Java, or Visual Basic; and demonstrate the ability to independently create, save, modify and print a document using a word processing program and appropriate assistive technology.

REQUIRED COURSES: CS/IS 101, 112 or 135, 190.

Select thirteen units from the following: BUSAD 106, 110; CS/IS 130, 137, 139; ENTRE 101, 102.

NOTE: Students can also earn an AS by completing the General Education requirements.

CREATIVE WRITING CERTIFICATE NON-DEGREE

The certificate in Creative Writing provides a comprehensive foundation in the study and practice of Creative Writing. This certificate also meets the needs of those in the community who wish to express their imagination, think critically, or enter the job market in fields that require knowledge of critical thinking and writing principles. Students develop competency in the ability to write clearly and thoughtfully, as well as to revise their written work. Additionally, students gain advanced reading and comprehension skills, and are exposed to multi-cultural texts and resources. Students must complete all required courses for a minimum of 18 units. **Program Learning Outcomes:** Upon completion of this program, the student will be able to demonstrate increased reading and writing comprehension of English. Demonstrate creative and critical thinking as it applies to writing and reading. Demonstrate increased knowledge the principles of Creative Writing.

REQUIRED COURSES: ENGL 103, 123.

Select two courses from the following: ENGL 102, 110, 111, 117, 127, 130

Select two courses from the following: (6 units): ENGL 112, 114, 115, 118, 212; THTR 155.

CYBERSECURITY SPECIALIST CERTIFICATE NON-DEGREE

This certificate is designed to prepare students for a career in cybersecurity. Students receive hands-on instruction on how to operate, install, configure, troubleshoot, upgrade, secure, and maintain computer networks as well as various ways to protect and secure the network. Students will become fully prepared to take the Network+, Security+, Cybersecurity Analyst(CySa+) certification tests sponsored by CompTIA and offered at testing centers throughout the country. This certificate requires 18-20 units. **Program Learning Outcomes:** Upon completion of this program, prepares student to develop and implement a structured network utilizing routers, switches, access points, and intrusion detection services. Develop and analyze procedures and policy in an organizational setting. Prepare students to work in a lower level security position for an IT department and transfer to a bachelor's degree program in Cybersecurity. Evaluate and explain ethical hacking tools in cybersecurity.

REQUIRED COURSES: CS/IS 186, 190, 193, 196

Select two courses from the following: CS/IS 172, 174, 194, 197, 240, 242

*Financial Aid Ineligible

DANCE TEACHING CERTIFICATE

This certificate is designed to prepare students for transfer to four year institutions or enter the workforce teaching dance to all age groups in private studios, fitness centers, community centers, and school and after school programs. Students must complete the required courses and choose additional courses to total a minimum of 30 - 31 units. **Program Learning Outcomes:** Upon completion of this program, students will be able to teach technical dance skills using correct body alignment and muscle coordination, design dance lesson plans for children, adults, and seniors, and create dance programs for private studios, fitness centers, and community centers.

REQUIRED COURSES: DANCE 100, 107, 130, 135 or 136, 158; HLTH 101 and KIN 157 or BIOL 120; DANCE 50.

SELECT ONE OF THREE OPTIONS:

OPTION ONE — DANCE 114, 116, 121.

OPTION TWO — DANCE 111, 117, 121.

OPTION THREE — DANCE 111, 116, 137.

Select ix units from the following courses: DANCE 124, 125, 127, 131; BUSAD 158, 162; MUSIC 101; PSYCH 106; SOC S 101; T ART 173.

NOTE: Students can also earn an AS by completing the General Education requirements.

**DATA ANALYTICS
CERTIFICATE**

This certificate is designed to prepare students for a career in Data Analytics. Students receive hands-on instruction on data analysis tools, methods and practices using the Python programming language. **Program Learning Outcomes:** Upon completion of this program, student will Use Python programming language and relevant Python libraries to analyze data. Apply statistical methods and techniques to analyze large data sets. Design and implement database systems. Implement and use cloud based systems.

REQUIRED COURSES: MATH 137; CS/IS 234, 240, 270

Select two courses from the following: (6-9 units) MATH 112; STAT C1000; CS/IS 125, 190, 194, 211, 241

**DIETETIC SERVICES SUPERVISOR
CERTIFICATE**

This certificate prepares students to supervise healthcare facilities as food service supervisors in convalescent, nursing and retirement homes. The curriculum focuses on the fundamentals of culinary science, sanitation, nutrition, modified diets, and sound management practices. Students must complete all required core courses for a total of 23 units. **Program Learning Outcomes:** Students will demonstrate cooking techniques commonly found in professional food service establishments. Students will plan sanitation policies and practices at an ongoing food service establishment. Students will evaluate patients' nutritional needs and formulate appropriate diets.

REQUIRED COURSES: CULIN 111 or 112, 113, 116; HRM 256; NUTR 114, 118; NUTR 50 (3 units).

NOTE: Students can also earn an AS by completing the General Education requirements.

**DIGITAL CONTENT SPECIALIST
CERTIFICATE**

This certificate is designed to provide the creative and technical skills to create, edit, optimize, and distribute digital content including web graphics, photographic images, and video. Completers will be able to develop, deploy, and manage web servers and optimize digital content for deployment on client side websites. The program will provide the employment skills required for Digital Content Creators, Digital Content Managers while providing skills to support Photographers, Graphic Designers and Video Editors. This program requires 23 units. **Program Learning Outcomes:** Upon successful completion of the required coursework the student will be able to design, create, and manage webpages using current software and technology; produce, optimize, and distribute industry-ready image, video and photographic content for the Web and mobile devices; create and manage a client-side Web site and server; create, modify, organize, and upload Web-specific files to a server prepare students for a career as a digital content creator or digital content specialist.

REQUIRED COURSES ART 250, 251; CS/IS 260; MEDIA 103; PHOTO 100, 111, 130.

NOTE: Students can also earn an AS by completing the General Education requirements.

**ELECTRONICS TECHNOLOGY TECHNICIAN
CERTIFICATE**

This certificate is designed to provide knowledge and training for entry into electronics and electrical industry career areas. Students must complete all required core courses for a total of 23.5 units. **Program Learning Outcomes:** Upon completion of this program, students will have knowledge and training for entry into electronics and electrical industries; demonstrate knowledge in electrical and voltage concepts; demonstrate knowledge in photovoltaic concepts; and have knowledge of California State Contractors and Electronics Technician Association examinations.

REQUIRED COURSES: ECT 100, 110, 113, 160, 161, 201; ECT 162 or 163; ENGR 100.

NOTE: Students can also earn an AS by completing the General Education requirements.

ENGINEERING CERTIFICATE

CIVIL

This certificate is designed to satisfy the lower division requirements of a 4-year civil engineering program so that students can transfer to an ABET accredited university and complete their training in two years (60 units or less). Emphasis is placed on articulating to the California State University, CSU and University of California, UC systems. Students develop a foundational mixture of analytical knowledge and practical project based hands-on skills that prepares them to succeed in a range of civil engineering topics such as environmental, geotechnical, structural and transportation engineering as well as sustainability and design. Students must complete all required courses to total 66-68 units. **Program Learning Outcomes:** Upon completion of this program, students will identify, formulate, and solve engineering problems by applying principles of engineering, science, and mathematics; apply the engineering design process to create engineering solutions that meet specified needs that integrates consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors; communicate technical information effectively with a range of audiences; function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet technical objectives; and transfer to a bachelor's degree program in order to finish preparing for a career in a specific discipline of civil engineering.

REQUIRED COURSES: MATH 103E, 104E, 105, 108, PHY 101, 102; CHEM 101; ENGR 100, 122, 140, 141, 152, 156, 180 or 240, 230, 241. Choose one course with a lab: BIOL 122 or GEOL 101 and 111 or GEOL 102 and 112 or OCEAN 115 and 116.

ELECTRICAL

This certificate is designed to satisfy the lower division requirements of a 4-year electrical engineering program so that students can transfer to an ABET accredited university and complete their training in two years (60 units or less). Emphasis is placed on articulating to the California State University (CSU) and University of California (UC) systems. Students develop a foundational mixture of analytical knowledge and practical project based hands-on skills that prepares them to succeed in a range of electrical engineering topics such as power, biomedical, digital electronics, communications and systems engineering as well as sustainability and design. Students must complete all required courses to total 56 units. **Program Learning Outcomes:** Upon completion of this program, students will identify, formulate, and solve engineering problems by applying principles of engineering, science, and mathematics; apply the engineering design process to create engineering solutions that meet specified needs that integrates consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors; communicate technical information effectively with a range of audiences; function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet technical objectives; transfer to a bachelor's degree program in order to finish preparing for a career in a specific discipline of electrical engineering.

REQUIRED COURSES: MATH 103E, 104E, 105, 108; PHY 101, 102; CHEM 101; ENGR 100, 125, 132, 140, 152, 240.

MECHANICAL, AEROSPACE, AND MANUFACTURING

This certificate is designed to satisfy the lower division requirements of a 4-year mechanical engineering program so that students can transfer to an ABET accredited university and complete their training in two years (60 units or less). Emphasis is placed on articulating to the California State University, CSU and University of California, UC systems. Students develop a foundational mixture of analytical knowledge and practical project based hands-on skills that prepares them to succeed in a range of mechanical engineering topics such as energy, machine design, fluid and thermal sciences, sustainability and design. Students must complete all required courses to total 66 units. **Program Learning Outcomes:** Upon completion of this program, students will identify, formulate, and solve engineering problems by applying principles of engineering, science, and mathematics; apply the engineering design process to create engineering solutions that meet specified needs that integrates consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors; communicate technical information effectively with a range of audiences; function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet technical objectives; and transfer to a bachelor's degree program in order to finish preparing for a career in a specific discipline of mechanical, aerospace, or manufacturing engineering.

REQUIRED COURSES: MATH 103E, 104E, 105, 108; PHY 101, 102; CHEM 101; ENGR 100, 122, 133, 140, 141, 152, 156, 230, 240, 241.

ENGINEERING TECHNOLOGY - CAD & DESIGN DRAFTING CERTIFICATE

This certificate prepares students with training to work in industry as a CAD designer, engineering drafter or drafting technician or technologist. The program includes instruction in both 2-D and 3-D computer aided drafting and design software such as AutoCAD and SOLIDWORKS. Motivated students can complete the required courses in one year by taking courses during the winter and summer sessions and online in addition to the traditional fall and winter sessions. Students must complete all required core courses for a total of 21 units. **Program Learning Outcomes:** Upon completion of this program students will produce engineering drawings and basic design of mechanical and civil engineering components and systems; create drawings using two-dimensional and three-dimensional computer aided design (CAD) software; incorporate and document industry codes, specifications and standards in the design process.

REQUIRED COURSES: ENGR 100, 101, 102, 109, 110, 111, 112
NOTE: Students can also earn an AS by completing the General Education requirements.

ENGLISH AS A SECOND LANGUAGE CERTIFICATE NON-DEGREE

INTERMEDIATE ESL: ACADEMIC AND CAREER PREPARATION

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; STDV 145
Complete two units from the following: STDV 100, 101, 103, 105, 120, 127, 130, 141, 145

ADVANCED ESL: BUSINESS, ENTREPRENEURSHIP & MANAGEMENT PATHWAY

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.

REQUIRED COURSES: ESL 151, 155, 156, 159.
Select 5 units from the following: ACCTG 101; 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

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.

REQUIRED COURSES: ESL 151, 155, 156, 159.
Select 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

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

ADVANCED ESL: LANGUAGE & COMMUNICATION PATHWAY

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.

Select 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

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.

Select 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

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.

Select 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

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.

Select 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.

FILM, TELEVISION AND MEDIA CERTIFICATE

DOCUMENTARY FILM PRODUCTION

This certificate 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 once course from the following: FTVM 135, 139

NOTE: Students can also earn an AA by completing the General Education requirements

FILM STUDIES

This certificate 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: ENGL 117; FTVM 101, 102, 103, 104, 106, 107, 108

Select two courses from the following: FTVM 131, 132, 135, 137, 139, 271

NOTE: Students can also earn an AA by completing the General Education requirements.

FIRE TECHNOLOGY CERTIFICATE

This certificate is offered for students interested in preparing for careers in fire prevention and fire fighting. The courses also provide in-service and upgrade instruction for fire fighting personnel. Students will demonstrate the skills required in the field of fire technology. These skills include: fire prevention techniques, behavior of fire, fire-fighting tactics and strategy, and the equipment used in fire protection. Other topics may include: fire investigation, hazardous materials, building construction, and crisis intervention. **Program Learning Outcomes:** Upon completion of this program, students will discuss the skills required for fire prevention techniques; discuss the aspects of fire behavior; discuss the skills required for fire-fighting tactics and strategy; and discuss the skills required for the use of equipment used in fire protection.

REQUIRED COURSES: FIRE 101, 102, 103, 104, 105.

A minimum of twelve units from the following courses: FIRE 106, 107, 108, 109, 110, 111, 112, 114, 115, 116, 117, 118, 119, 151; ADMJ 117.

NOTE: Students can also earn an AS by completing the General Education requirements.

FITNESS SPECIALIST CERTIFICATE

This certificate is designed to prepare students with the knowledge, skills and abilities required to become Personal Trainers and/or Group Fitness Instructors. It is primarily geared toward preparing students to successfully obtain certifications from the American Counsel for Exercise (ACE) for both personal training and group exercise instruction, and to develop comprehensive knowledge of scientific evidence, tools and protocols specific to the fitness industry. Practical experience is integrated into curriculum for the development of skill mastery. Students are recommended to have basic knowledge of human biology, basic English writing and speaking skills, and the ability to perform moderate physical activity before beginning this program. Students must complete all required core courses for a total of 18-24 units. **Program Learning Outcomes:** Upon completion of this program students will demonstrate knowledge, skills and abilities required for the ACE Personal Trainer and Group Fitness Instructor exams. Apply fundamental science of kinesiology to assess, design, implement and lead fitness programs for individuals and groups in a diverse population. Utilize universal risk management strategies.

REQUIRED COURSES: KIN 151, 155, 156, 167, 168; HLTH 102.

Select one course from the following (2-4 units): HLTH 128; KIN 157; BUSAD 158; ENTRE 101, 102.

Select two courses from the following (2-3 units): PE 108, 110, 111, 131, 180, 181, 220, 221; DANCE 101, 124, 127, 128, 129, 133, 190, 194; KIN 50; CO ED 101

RECOMMENDED PREPARATION (0 units): BIOL 114, 115 ESL 151; ABSE 186, 187

NOTE: Students can also earn an AS by completing the General Education requirements.

FIRE ACADEMY CERTIFICATE NON-DEGREE

VERDUGO FIRE ACADEMY

Program Learning Outcomes: Upon completion of this program, students will be able to discuss the skills required for fire prevention techniques; discuss the aspects of fire behavior; discuss the skills required for fire-fighting tactics and strategy; and discuss the skills required for the use of equipment used in fire protection. The Verdugo Fire Academy is a State Board of Fire Services and California State Fire Marshall's accredited Regional Fire Academy sponsored by Glendale College and the Glendale Fire Department. Students receive a variety of California State Fire Marshall's certificates upon graduation from the Academy.

REQUIRED COURSES: FIRE 116, 117, 118, 119; EMT 139, 140.

VERDUGO RECRUIT FIRE ACADEMY

Program Learning Outcomes: Upon completion of this program, students will discuss the skills required for fire prevention techniques; discuss the aspects of fire behavior; discuss the skills required for fire-fighting tactics and strategy; and discuss the skills required for the use of equipment used in fire protection. The Verdugo Recruit Academy is for new hire firefighters from the Area C fire agencies. The Area C fire agencies include Glendale, Burbank, Pasadena and other foothill fire departments for a total of 11 cities participating. Recruits from these agencies receive uniform training to assure consistent application of fire fighting practices within the Area C dispatch communities.

REQUIRED COURSES: FIRE 120; EMT 139, 140.

FIRE TECHNOLOGY CERTIFICATE

This degree or certificate is offered for students interested in preparing for careers in fire prevention and fire fighting. The courses also provide in-service and upgrade instruction for fire fighting personnel. Students will demonstrate the skills required in the field of fire technology. These skills include: fire prevention techniques, behavior of fire, fire-fighting tactics and strategy, and the equipment used in fire protection. Other topics may include: fire investigation, hazardous materials, building construction, and crisis intervention. **Program Learning Outcomes:** Upon completion of this program, students will discuss the skills required for fire prevention techniques; discuss the aspects of fire behavior; discuss the skills required for fire-fighting tactics and strategy; and discuss the skills required for the use of equipment used in fire protection.

REQUIRED COURSES: FIRE 101, 102, 103, 104, 105.

A minimum of twelve units from the following courses: FIRE 106, 107, 108, 109, 110, 111, 112, 114, 115, 116, 117, 118, 119, 151; ADMJ 117.

NOTE: Students can also earn an AS by completing the General Education requirements.

FITNESS SPECIALIST CERTIFICATE

This certificate is designed to prepare students with the knowledge, skills and abilities required to become Personal Trainers and/or Group Fitness Instructors. It is primarily geared toward preparing students to successfully obtain certifications from the American Counsel for Exercise (ACE) for both personal training and group exercise instruction, and to develop comprehensive knowledge of scientific evidence, tools and protocols specific to the fitness industry. Practical experience is integrated into curriculum for the development of skill mastery. Students are recommended to have basic knowledge of human biology, basic English writing and speaking skills, and the ability to perform moderate physical activity before beginning this program. Students must complete all required core courses for a total of 18-24 units. **Program Learning Outcomes:** Upon completion of this program students will demonstrate knowledge, skills and abilities required for the ACE Personal Trainer and Group Fitness Instructor exams. Apply fundamental science of kinesiology to assess, design, implement and lead fitness programs for individuals and groups in a diverse population. Utilize universal risk management strategies.

REQUIRED COURSES: KIN 151, 155, 156, 167, 168; HLTH 102.

Select one course from the following (2-4 units): HLTH 128; KIN 157; BUSAD 158; ENTRE 101, 102.

Select two courses from the following (2-3 units): PE 108, 110, 111, 131, 180, 181, 220, 221; DANCE 101, 124, 127, 128, 129, 133, 190, 194; KIN 50; CO ED 101

RECOMMENDED PREPARATION (0 units): BIOL 114, 115 ESL 151; ABSE 186, 187

NOTE: Students can also earn an AS by completing the General Education requirements.

FOREIGN LANGUAGE CERTIFICATE

ARMENIAN LANGUAGE

The certificate in Armenian Language provides a rigorous academic preparation in the Armenian Language. Students are prepared to transfer to baccalaureate degree programs in Armenian or Near Eastern Languages, as well as Music, Linguistics, Art History and related fields. This degree or certificate also meets the needs of those in the community who wish to gain aptitudes in foreign languages or may enter the job market in fields that may require knowledge of a foreign language such as Armenian. Students develop competency in the ability to comprehend, speak, read, and write in Armenian, while at the same time learn to think critically by analyzing works of literature and other manifestations of culture. Students must complete all required courses for a minimum of 18 units. **Program Learning Outcomes:** Upon completion of this program, students will demonstrate increased reading and listening comprehension of the target languages. Utilize oral and written communicative skills to produce the target languages. Demonstrate increased knowledge of the target language's cultures.

REQUIRED COURSES: ARMEN 101 or 115, 102 or 116, 117.

Select one course from the following: ARMEN 125, 126, 127; ETH S 164; HIST 121.

NOTE: Students can also earn an AA by completing the General Education requirements.

FRENCH LANGUAGE

The degree or certificate in French Language provides rigorous academic preparation in the French language. Students are prepared to transfer to baccalaureate degree programs in French or Romance Languages, as well as Music, Linguistics, Art History and related fields. This degree or certificate also meets the needs of those in the community who wish to gain aptitudes in foreign languages or may enter the job market in fields that may require knowledge of a foreign language such as French. Students develop competency in the ability to comprehend, speak, read, and write in French, while at the same time learn to think critically by analyzing works of literature and other manifestations of culture. Students must complete all required courses for a minimum of 18-20 units. **Program Learning Outcomes:** Upon completion of this program, students will demonstrate increased reading and listening comprehension of the target languages. Utilize oral and written communicative skills to produce the target languages. Demonstrate increased knowledge of the target language's cultures.

REQUIRED COURSES: FREN 101, 102, 103, 104.

If 20 units have not been reached in the required core, select one from the following (3 units): ARTH 107; ENGL 110; LING 101; HIST 170; MUSIC 125.

NOTE: Students can also earn an AA by completing the General Education requirements.

ITALIAN LANGUAGE

The degree or certificate in Italian Language provides rigorous academic preparation in Italian Language. Students are prepared to transfer to baccalaureate degree programs in Italian or Romance Languages, as well as Music, Linguistics, Art History and related fields. This degree or certificate also meets the needs of those in the community who wish to gain aptitudes in foreign languages or may enter the job market in fields that may require knowledge of a foreign language such as Italian. Students develop competency in the ability to comprehend, speak, read, and write in Italian, while at the same time learning to think critically by analyzing works of literature and other manifestations of culture. Students must complete all required courses for a minimum of 18-20 units. **Program Learning Outcomes:** Upon completion of this program, students will demonstrate increased reading and listening comprehension of the target languages. Utilize oral and written communicative skills to produce the target languages. Demonstrate increased knowledge of the target language's cultures.

REQUIRED COURSES: ITAL 101, 102, 103, 104.

If 20 units have not been reached in the required core, select one from the following (3 units): ITAL 130; ARTH 102, 104, 105, 106; LING 101; HIST 170; MUSIC 120.

NOTE: Students can also earn an AA by completing the General Education requirements.

JAPANESE LANGUAGE

The degree or certificate in Japanese Language provides a rigorous academic preparation in the Japanese Language. Students are prepared to transfer to baccalaureate degree programs in Japanese or Asian Languages, as well as Music, Linguistics, Art History and related fields. This degree also meets the needs of those in the community who wish to gain aptitudes in foreign languages or may enter the job market in fields that may require knowledge of a foreign language such as Japanese. Students develop competency in the ability to comprehend, speak, read, and write in Japanese, while at the same time learn to think critically by analyzing works of literature and other manifestations of culture. Students must complete all required courses for a minimum of 18-20 units. **Program Learning Outcomes:** Upon completion of this program, students will demonstrate increased reading and listening comprehension of the target languages. Utilize oral and written communicative skills to produce the target languages. Demonstrate increased knowledge of the target language's cultures.

REQUIRED COURSES: JAPAN 101, 102, 103, 104.

If 20 units have not been reached in the required core, select one from the following (3 units): ETH S 124; HIST 119, 120; LING 101.

NOTE: Students can also earn an AA by completing the General Education requirements.

SPANISH LANGUAGE

The degree or certificate in Spanish Language provides a rigorous academic preparation in the Spanish language. Students are prepared to transfer to baccalaureate degree programs in Spanish or Romance Languages, as well as Linguistics. This degree or certificate also meets the needs of those in the community who wish to gain aptitudes in foreign languages or may enter the job market in fields that may require knowledge of a foreign language such as Spanish. Students develop competency in the ability to comprehend, speak, read, and write in Spanish, while at the same time learn to think critically by analyzing works of literature and other manifestations of culture. Students must complete all required courses for a minimum of 18-20 units. **Program Learning Outcomes:** Upon completion of this program, students will demonstrate increased reading and listening comprehension of the target languages. Utilize oral and written communicative skills to produce the target languages. Demonstrate increased knowledge of the target language's cultures.

REQUIRED COURSES: SPAN 101, 102, 103 OR 115, 104.

If 20 units have not been reached in the required core, select one from the following (3 units): ETH S 102, 120; HIST 103, 104, 105, 113; LING 101; SPAN 124H, 131.

NOTE: Students can also earn an AA by completing the General Education requirements.

GRAPHIC DESIGN CERTIFICATE

The certificate is focused on the develop core competencies in several areas including visual communication, critical thinking, foundational design principles, user experience design, user interface design, use of industry compliant hardware and software, and the role of personal responsibility within continual professional development. Strong emphasis is placed on the creation of a portfolio to demonstrate the same core competencies stressed throughout the curriculum. Students are prepared to seek employment in the advertising/graphic design industry as entry-level production designers or junior graphic designers. The degree also prepares students to enter four year graphic design programs as earn four year degrees such as a BFA in Graphic Design, a BA in Graphic Design, and Communication Design. Students must complete all required courses for a minimum of 30 units. **Program Learning Outcomes:** Upon completion of this program, students will be able to continually develop curriculum incorporating the critical elements of Graphic Design; continually develop curriculum incorporating the industry standard technical elements of Graphic Design; and demonstrate articulation with surrounding 4 year institutions and with the local Graphic Design Community.

REQUIRED COURSES: ART 132, 133, 134, 135, 136, 137, 250, 251, 255; PHOTO 160.

NOTE: Students can also earn an AA by completing the General Education requirements.

GRIP AND LIGHTING CERTIFICATE NON-DEGREE

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, students will have basic skills to enter the film and tv industry. We have also partnered with IATSE Local 728 (lighting technician guild) to create a pathway into their membership.

REQUIRED COURSES: FTVM 130, 132, 137, 257; THTR 135

**Financial Aid Ineligible

HEALTHCARE ADMINISTRATION CERTIFICATE

The certificate prepares students for entry-level coordination, assisting, and other support services and management and leadership roles in health services and related organizations and systems. Students will complete 25 units. **Program Learning Outcomes** Upon completion of this program, Prepare students for a career in the healthcare industry by completing the Health Care Administration Certificate; Describe the value of personal and professional development, health and community service, and life-long learning in healthcare management; Analyze the impact of healthcare administration on healthcare delivery within the community.

REQUIRED COURSES: MOA 180, 183, 184, 185, 188, 190, 191, 192.

NOTE: Students can also earn an AS by completing the General Education requirements.

HUMAN RESOURCES ASSISTANT II CERTIFICATE NON-DEGREE

This certificate is designed for students who intend to seek employment in a Human Resources department in private industry or in a governmental agency (e.g. city, county, state, school district, etc.). This coursework will help to prepare students for entry-level positions with job titles such as HR Assistant, HR Clerk, HR Technician, etc. This coursework also helps prepare students for the Professional Human Resources Certification and Senior Professional Human Resources Certification (SHRM) examinations. Students must complete all required courses to total 18 units. **Program Learning Outcomes:** Upon completion of this program, students will learn to apply the principles and methods involved in the recruitment, selection and placement of employees with regard to affirmative action programs, training, experience and aptitudes. Students will be able to model techniques of effective customer and employee relations.

REQUIRED COURSES: BUSAD 101, 110, 144, 145; CABOT 270; Select one course from the following: CABOT 105 or BUSAD 106.

**INFORMATION TECHNOLOGY TECHNICIAN
CERTIFICATE**

Information Technology Technician Certificate is designed to prepare students for a career in Information Technology. Students receive hands-on instruction on how to operate, install, configure, troubleshoot, upgrade, and maintain computer systems and computer networks. Students will become fully prepared to take the A+, Server+, and Network+ certification tests sponsored by CompTIA and offered at testing centers throughout the country. This certificate requires 18 units. **Program Learning Outcomes:** Upon completion of this program, Prepare students to take the industry recognized CompTIA exams to work in an entry level IT position; Develop troubleshooting skills related to networking, hardware, peripherals, and advanced networking; Solve computer issues and communicate effectively with computer users.

REQUIRED COURSES CS/IS 186, 190, 194, 197.

Select two courses from the following: CS/IS 172, 174, 183, 193, 196, 240, 241, 242.

**INSURANCE PROFESSIONAL II
CERTIFICATE**

This certificate is designed for students who already have a two-year or higher degree and/or have employment experience in an insurance office or an insurance-related business. This coursework will help prepare students for positions above entry-level, such as appraiser, agent, estimator, senior administrative assistant, broker, underwriter, and senior sales associate. Completion of this program will also help prepare students for insurance certifications. This program is approved by the Insurance Education Association (IEA). Students learn to describe elements of a contract, insurance contracts, and conditions commonly found in property and liability insurance policies. Students must complete all required courses to total 18 - 24 units. **Program Learning Outcomes:** Upon completion of this program, students will learn to discuss loss exposures, personal risk insurance, and types of personal insurance policies, as well as, define commercial insurance and commercial insurance policies. Describe and apply insurance concepts such as principles of indemnity, valued policy, and liability limits. Describe elements of a contract, insurance contracts, and conditions commonly found in property and liability insurance policies.

REQUIRED COURSES: BUSAD 111, 112, 113, 114, 115, 116.

Select two courses from the following to complete 4-10 units: ACCTG 101; BUSAD 101, 106, 120, 204; CS/IS 100 or 101 or CABOT 260; or 270.

**INSURANCE SPECIALIST: PROPERTY & CASUALTY
CERTIFICATE**

This certificate is designed to prepare students for positions in the insurance industry. This program covers a range of topics that will equip students with the knowledge and skills necessary for roles such as appraiser, agent, estimator, senior administrative assistant, broker, underwriter, and senior sales associate. The curriculum covers key learning outcomes, including describing and applying insurance concepts, understanding elements of insurance contracts, and discussing loss exposures and personal risk insurance. Students must complete all required courses for a total of 21-26 units. **Program Learning Outcomes:** Upon completion of this program, students will be able to Describe and apply insurance concepts such as principles of indemnity, valued policy, and liability limits. Describe elements of a contract, insurance contracts, and conditions commonly found in property and liability insurance policies. Discuss loss exposures, personal risk insurance, and types of personal insurance policies

REQUIRED COURSES: BUSAD 111, 112, 113, 114, 115, 116,

Select two courses from the following: ACCTG 101; BUSAD 101, 106, 120, BUSAD 50 (1 unit)

Select one course from the following: CS/IS 100; CABOT 260

**MACHINIST
CERTIFICATE**

Program Learning Outcomes: Upon completion of this program, students will demonstrate the skills required in the field of machine and manufacturing technology, such as computer numerical machining (CNC) for various machine tools; demonstrate the skills required in the field of machine and manufacturing technology, such as use of manual machining equipment; demonstrate the skills required in the field of machine and manufacturing technology, such as metallurgy and heat treating; and demonstrate the skills required in the field of machine and manufacturing technology, such as technical mathematics.

REQUIRED COURSES: MACH 101, 102, 103, 104; MTLGY 150.

NOTE: Students can also earn an AS by completing the General Education requirements.

MANAGEMENT II CERTIFICATE

This certificate program offers students exposure to the five essential functions of a manager: planning, organizing, staffing, leading, and controlling, providing students with a foundation in strategic and operational management practices. Students will develop listening skills crucial for effective leadership and teamwork, enabling them to foster stronger interpersonal relationships and facilitate better decision-making processes. The certificate program equips students with the necessary tools to plan, deliver, and evaluate various types and lengths of speeches and oral presentations, fostering confidence in their communication abilities and preparing them to convey ideas persuasively to diverse audiences. **Program Learning Outcomes:** Upon completion of this program, students will be able to describe the key functions of management (planning, organizing, leading, and controlling) and implement them in real-world business scenarios to improve organizational efficiency. Practice effective listening strategies in team settings, contributing to better collaboration and conflict resolution. Plan and present structured oral presentations, adapting to diverse audience needs and evaluating their effectiveness in a business environment.

Required Courses:: ACCTG 101; BUSAD 101, 110, 141

Select one course from the following: (Business) BSAD 120, 144

Select one course from the following: (Speaking) BUSAD 152; COMM C1000

MARKETING II CERTIFICATE

This certificate is designed for students who need the marketing basics and are planning beginning careers in marketing, advertising, retailing, and sales. Students will learn to recognize and develop an appreciation for customer need, understand and apply the four P's of marketing: Product, Price, Place (distribution), and Promotion, and develop a basic marketing plan and implement a strategy. **Program Learning Outcomes:** Upon completion of this program, students will be able to recognize and develop an appreciation for customer need, and to understand and apply the four P's of marketing: Product, Price, Place (distribution), and Promotion, as well as develop a basic marketing plan and implement a strategy.

REQUIRED COURSES: BUSAD 101, 162, 166, 163 or 165

Select one of the following: (Writing) BUSAD 106 or CABOT 105

Select one course from the following: CABOT 280; BUSAD 131, 152, 120, 131, 169.

MASS COMMUNICATIONS CERTIFICATE

This certificate is designed to train students to meet the need for qualified public relations and other communications professionals through instruction in nonfiction writing, media production, media theory and media literacy. Students must complete all required core courses, and choose other courses from the additional courses listed to total 25.5 - 26.5 units. **Program Learning Outcomes:** Upon completion of this program, students will be able to analyze and differentiate the primary influences of dominant mass media on major cultural practices and social and political institutions; research and explain the historical influences of dominant communication technologies on society, culture and human behavior.

REQUIRED COURSES: MCOMM 101; JOURN 102, 103 or 104, 107; ENGL 101, 102 or 104.

A minimum of three units from the following courses: CABOT 206, 208; CS/IS 123; MEDIA 101.

A minimum of three units from the following courses: ECON 101; ENGL 105, 106, 109, 110, 111, 122, 123, 125, 127, 128; HIST 140, 141; POL S 101.

NOTE: Students can also earn an AS by completing the General Education requirements.

MEDICAL OFFICE CERTIFICATE

ADMINISTRATIVE MEDICAL ASSISTANT

This certificate is designed to prepare students for employment as a medical assistant in a physician's office or clinic. The curriculum is designed to provide administrative training to assist the physician with the care and treatment of patients. These administrative functions include patient reception, registration and scheduling appointments, word processing and medical documentation preparation, validating insurance and verifying coding, ordering and maintaining supplies and equipment, and maintaining patient medical records. Additionally, Administrative medical assistants work as part of a team, and are often responsible for managing multiple tasks in a high-paced medical or hospital work environment, which include communicating effectively with patients, regarding office policies and applying HIPAA rules. Students will complete 29 core required units. **Program Learning Outcomes:** Upon completion of this program students will be able to schedule appointments, perform medical office duties, handle financial matters including medical insurance collection, manage electronic health records and other ancillary medical records, and to complete the insurance and reimbursement process. The required internship in the medical office of a physician's clinic provides the student with the administrative experience necessary to enter the workforce.

REQUIRED COURSES: MOA 180, 182, 183, 184, 185, 188, 193, 197; MOA 50 (3 units); BUSAD 204.

NOTE: Students can also earn an AS by completing the General Education requirements.

MEDICAL CODING ASSISTANT

This certificate is designed to prepare students for a position as a medical coder in an acute care hospital, clinic or physician's office, long-term care facility, and other health care settings. Students will complete 31 required units. **Program Learning Outcomes:** Upon completion of this program students gain competencies in the application of biomedical knowledge and legal, ethical, and medical standards; the communication and analysis of statistical data and in planning and implementation of clinical informational and data systems. Coders ensure that valid codes are applied to medical diagnoses and procedures per coding classification guidelines. They facilitate reimbursement, analyze patient outcomes, and medical research. Students will be able to prepare for national AAPC (American Academy of Professional Coders) exam once they complete and receive this certificate.

REQUIRED COURSES: MOA 180, 182, 183, 184, 188, 193, 194, 195, 197; MOA 50 (3 units).

NOTE: Students can also earn an AS by completing the General Education requirements.

MEDICAL FRONT OFFICE

This certificate is designed for students who are preparing for a position in offices of physicians, medical clinics, hospitals, and allied facilities. These students will acquire basic communication skills, learn specialized medical terminologies needed to complete appropriate forms in preparing, maintaining/filing, and charting medical records including insurance claims; use appropriate computer programs to key basic documents and navigate the Internet. Students must complete all core courses to a total of 24-25 units. **Program Learning Outcomes:** Upon completion of this program, the student will acquire the basic communication skills; learn the specialized medical terminologies needed to complete appropriate forms in preparing, maintaining/filing, and charting medical records including insurance claims; and use appropriate computer programs to key basic documents and to navigate the Internet (the student should achieve a minimum speed of 25 words per minute).

REQUIRED COURSES: CABOT 102, 103, 104, 110, 205, 208; MOA 181 or 182, 185.

Select one course from the following: CABOT 105; 50 (3 units); MOA 183.

NOTE: Students can also earn an AS by completing the General Education requirements.

MUSIC CERTIFICATE

This certificate is designed to help students who will be entering the music industry or a field where a knowledge of music will be helpful. Students will choose to focus on a particular area of study. Students will develop musical skills, learn to analyze and recognize musical patterns, and gain a breadth of knowledge of our diverse musical world. These music courses are designed to help students think, create, and collaborate in a critical, expressive, and articulate manner. Students must complete the required courses and choose additional courses to total a minimum of 22 units. **Program Learning Outcomes:** Upon completion of this program, students will be able to apply fundamental theory, musicianship and analytical skills to music. Students will develop a basic knowledge of music history and demonstrate keyboard competency. Students will perform in at least one major performance area at a level appropriate for their particular music concentration. The courses are divided into four categories: core classes, instrumental and vocal classes, performing ensembles, and electives.

REQUIRED COURSES: MUSIC 201, 211.

Select one course from the following: MUSIC 120, 121, 122, 125, 126, 127.

One unit of MUSIC 140.

Select one course (2 units) from: MUSIC 135, 136.

Select one course (2 units) from: MUSIC 160, 161, 162, 163, 164, 165, 166.

Two semester units (2 units) from: MUSIC 143, 144, 145, 146, 147, 148, 152, 230, 231, 232, 233, 235, 236, 237, 240, 241, 242.

Electives (8 units required): MUSIC 103, 113, 121, 122, 127, 150, 153, 154, 155, 156, 157, 158, 171, 176, 177, 178, 179, 181, 184, 187.

NOTE: Students can also earn an AS by completing the General Education requirements.

MUSIC CERTIFICATE NON-DEGREE

MUSIC HISTORY

This certificate is designed to help students entering the music field. Students will explore the rich history of music from distant and recent past as well as gain a breadth of knowledge of music at present in our diverse world. These music courses are designed to help students think, create, and collaborate in a critical, expressive, and articulate manner. **Program Learning Outcomes:** Upon completion of this program, students will be able to identify major topics, developments, debates, and issues in music. Discuss, analyze, and synthesize a variety of theoretical and practical foci in music. Classify global, national, and local perspectives on issues pertaining to music in preparation for future study and career opportunities.

REQUIRED COURSES: MUSIC 121, 122, 125, 126, 127

**Financial Aid Ineligible

MUSIC THEORY

This certificate is designed to help students entering the music field. Students will develop musical artistry and proficiency, learn to analyze and recognize musical patterns, and gain a breadth of knowledge of our diverse musical world. These music courses are designed to help students think, create, and collaborate in a critical, expressive, and articulate manner. **Program Learning Outcomes:** Upon completion of this program, students will be able to Identify major topics, developments, debates, and issues in music theory. Discuss, analyze, and synthesize a variety of theoretical and practical foci in music. Classify global, national, and local perspective on issues pertaining to music in preparation for future study and career opportunities.

REQUIRED COURSES: MUSIC 201, 202, 203, 211, 212, 213

Select a course from the following: MUSIC 103, 113

**Financial Aid Ineligible

PIANO

This certificate is designed to help students entering the music field. Students will develop musical artistry and proficiency, learn to analyze and recognize musical patterns, and gain a breadth of knowledge of our diverse musical world. These music courses are designed to help students think, create, and collaborate in a critical, expressive, and articulate manner. **Program Learning Outcomes:** Upon completion of this program, students will be able to Demonstrate intermediate to advanced keyboard proficiency. Perform solo piano repertoire from a variety of musical cultures and time periods. Produce performances of piano repertoire from a variety of musical cultures and time periods.

REQUIRED COURSES: MUSIC 163, 113;

Select two units from the following: MUSIC 140

Select four units from the following: MUSIC 148

**Financial Aid Ineligible

VOICE

This certificate is designed to help voice students entering the music field. Students will develop musical artistry and proficiency, learn to analyze and recognize musical patterns, and gain a breadth of knowledge of our diverse musical world. These music courses are designed to help students think, create, and collaborate in a critical, expressive, and articulate manner. **Program Learning Outcomes:** Upon completion of this program, students will be able to identify major topics, developments, debates, and issues in music. Discuss, analyze, and synthesize a variety of theoretical and practical foci in music. Develop expressive vocal technique in a range of styles, genres, and ensembles.

Required Courses: MUSIC 135, 136

Select one units from the following: MUSIC 140

Select two units from the following: MUSIC 230, 231, 232, 233, 235, 236, 237, 241, 240, 242.

Select one course from the following: MUSIC 101, 211

**Financial Aid Ineligible

WORLD MUSIC

This certificate is designed to help students entering the music field. Students will develop musical artistry and proficiency, learn to analyze and recognize musical patterns, and gain a breadth of knowledge of our diverse musical world. These music courses are designed to help students think, create, and collaborate in a critical, expressive, and articulate manner. **Program Learning Outcomes:** Upon completion of this program, students will be able to Identify major topics, developments, debates, and issues in music. Discuss, analyze, and synthesize a variety of theoretical and practical foci in music. Classify global, national, and local perspectives on issues pertaining to music in preparation for future study and career opportunities.

REQUIRED COURSES: MUSIC 127

Select two units from the following: MUSIC 148

Select one units from the following: MUSIC 140

Select one coourse of the folloing: MUSIC 120 or 120H, 121, 122

**Financial Aid Ineligible

PARAMEDIC CERTIFICATE NON-DEGREE

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.

**PHOTOGRAPHY
CERTIFICATE****DIGITAL PHOTOGRAPHY**

This certificate is designed to prepare students for work as professional photographers and photographic assistants, as well as prepares students for fields in digital photography editing and retouching. Students pursue careers in a wide range of photographic practices, from commercial and fine art to documentary and event photography. Courses are designed to encourage students to pursue individual projects while developing their technical ability. This program requires 21 units. **Program Learning Outcomes:** Upon completion of this program, students will be able to: create a cohesive photographic project that is conceptually and technically well developed create, use, and evaluate available and studio lighting use, develop, and integrate digital photography techniques and workflows into their photographic practice prepare students for a career in Photography by completing the Photography degree or certificate.

REQUIRED COURSES: ARTH 199; PHOTO 100, 111, 112, 130, 132. Select one courses from the following: PHOTO 140, 142, 144, 146
NOTE: Students can also earn an AS by completing the General Education requirements.

PHOTOGRAPHY

This certificate is designed to prepare students for a professional photographic practice or transfer to a 4 year program. Our students pursue careers in a wide range of photographic practices, from commercial and fine art to documentary and event photography. Courses are designed to encourage students to pursue individual projects while developing their technical ability in both traditional and digital photography. Students seek employment as principal photographers, photography assistants or as digital retouchers. This program requires 18 units. **Program Learning Outcomes:** Upon completion of this program, students will be able to create a cohesive photographic project that is conceptually and technically well developed, create, evaluate and integrate use of available and studio lighting into their photographic practice, use, develop, and integrate traditional photography techniques and workflows into their photographic practice, use, develop, and integrate digital photography techniques and workflows into their photographic practice.

REQUIRED COURSES: ARTH 199; PHOTO 100, 101, 103, 111, 112, 130, 132.
Select one course from: PHOTO 140, 142, 144, 146.
NOTE: Students can also earn an AS by completing the General Education requirements.

**PHOTOGRAPHY
CERTIFICATE NON-DEGREE****DIGITAL PHOTOGRAPHY TECHNICIAN**

This certificate prepares students for work in digital photography, as well as preparing students for fields in digital photography editing, digital assisting, and retouching. The course work in the program balances both technical and creative development for students. Students are expected to create original work suitable for acquiring professional work in the field. This program requires 9 units. **Program Learning Outcomes:** Upon completion of this program, students will be able to: create a cohesive photographic project that is conceptually and technically well developed create, use, develop, and integrate digital photography techniques and workflows into their photographic practice.

REQUIRED COURSES: PHOTO 100, 130, 132.

****Financial Aid Ineligible**

DRONE PHOTOGRAPHY

This certificate program provides targeted instruction to practicing photographers seeking to expand their skill set. Students learn about available light, drone photography operations, and the FAA rules for drone operation. Students must complete 16 units for this program. **Program Learning Outcomes:** Upon completion of this program, students will be able to: create a cohesive photographic project that is conceptually and technically well developed using aerial stills and videos, capture, edit, and integrate drone photography techniques and workflows into their photographic practice legally and safely operate a drone for photography.

REQUIRED COURSES: AT 120, PHOTO 100, 111, 130, 136.

****Financial Aid Ineligible**

PHOTOGRAPHIC LIGHTING

This certificate prepares students to be marketable for entry-level employment in professional photographic assisting and lighting design. Many practicing photographers attend classes to refine and update their existing skills. Courses encourage students to pursue individual projects while developing their technical ability. Students will complete a total of 9 units. **Program Learning Outcomes:** Upon completion of this program, students will be able to: create a cohesive photographic project that is conceptually and technically well developed, create, evaluate and integrate use of available and studio lighting into their photographic practice.

REQUIRED COURSES: PHOTO 100, 111, 112

****Financial Aid Ineligible.**

TRADITIONAL PHOTOGRAPHY

This certificate provides targeted instruction in traditional black and white photographic techniques for photographers wishing to expand their skill sets. Many practicing photographers attend classes to refine and expand their existing skills. Courses are designed to encourage students to pursue individual projects while developing their technical ability. Students will complete a total of 9 units **Program Learning Outcomes:** Upon completion of this program, students will be able to: create a cohesive photographic project that is conceptually and technically well developed create use, develop, and integrate traditional photography techniques and workflows into their photographic practice.

REQUIRED COURSES: PHOTO 101, 103, 105.

**Financial Aid Ineligible

REAL ESTATE APPRAISAL CERTIFICATE

In the Real Estate curriculum, the California Office of Real Estate Appraisal (OREA) determines the courses required to attain an appraisal license, including: 1) Trainee License, 2) Residential License, and 3) Certified Residential Licenses. Many of these courses are also applicable to the salesperson's or broker's license of the California Department of Real Estate (DRE). In certain cases, courses can be used for both OREA and DRE requirements. (See the Real Estate Broker Certificate). **Program Learning Outcomes:** Upon completion of this program, students will be able to apply the basic principles and procedures used in valuing residential properties. They will be able to choose the appropriate method to determine value for a specific property, estimate gross income and calculate expenses for income producing property and meet Appraisal Qualifications Board (AQB) licensing requirements for filling out forms and completing the USPAP form.

REQUIRED COURSES: RE 101, 130, 140, 150, 161, 162, 163, 164, 165. A minimum of three units must be selected from the following to complete a total of 29 units: ACCTG 101 or 110; BUSAD 120; RE 180, 190, 195, 250.

NOTE: Students can also earn an AS by completing the General Education requirements.

REAL ESTATE BROKER CERTIFICATE

In the Real Estate curriculum, special attention is given to the California license requirements. A student must take the Real Estate Principles course (RE 101), a Real Estate Practice course (RE 120), and one other real estate course before taking the state examination. An applicant for the broker's license must have taken the eight (8) real estate courses required for this Real Estate Certificate before taking the California State Broker Examination. Students will develop a clear action plan to launch a successful real estate career upon graduation. **Program Learning Outcomes:** Upon completion of this program, students will be able to develop a clear action plan to launch a successful real estate career after graduation; and meet the requirements necessary to take and pass the California Department of Real Estate Brokers licensing exam.

REQUIRED COURSES: RE 101, 120, 130, 140, 150, 162 or 163. A minimum of six units from the following courses: BUSAD 120; RE 161, 164, 180, 190, 195, 250; ACCTG 101 or 110;

NOTE: After completing all 24.5 units required for this certificate, a Real Estate Internship course is recommended.

NOTE: Students can also earn an AS by completing the General Education requirements.

RECEPTIONIST/OFFICE CLERK CERTIFICATE NON-DEGREE

This certificate is designed to train students to meet the needs for qualified office receptionists and clerks with emerging skills in office procedures including answering phones, document processing and filing, and document creation. Program completers are familiar with basic computer terminology and basic email functions, web browsers, and databases. Students must complete all required core courses for a total of 18 units. **Program Learning Outcomes:** Upon completion of this program, the student will be able to use a variety of office procedures to perform such tasks as sorting mail, answering telephones, and filing and processing documents using the latest computer technologies; be able to identify the personal traits that lead to effective human relation skills in business and develop skills to work more effectively with customers and other employees in a business environment; be able to type by touch at a minimum of twenty-five (25) words a minute to produce cohesive, grammatically correct sentences, to create, edit, and format basic business letters, business reports, academic reports, memorandum, envelopes and labels; be able to identify the standard elements on the Windows 7 desktop and demonstrate basic mouse operations; to understand basic computer terminologies; and become familiar with Global information systems to be able to sign on to an account and use common utilities, including e-mail and Web browsers, and searching a variety of databases for information.

REQUIRED COURSES: CABOT 101, 102, 103, 104, 110, 205, 208

**Financial Aid Ineligible.

**RESTAURANT MANAGEMENT
CERTIFICATE**

This certificate provides students with the professional preparation required to meet the new trends and demands of management in the food service industry. Certificate courses focus on the fundamentals of operating a food service establishment, emphasizing personnel supervision, purchasing, menu development, cost control, and beverage service, as well as other aspects of management. **Program Learning Outcomes:** Upon completion of this program, students will demonstrate skills and knowledge required in the field of restaurant management including: professional cooking, sanitation practices, institutional purchasing, beverage and bar operations, banquet and catering presentation, and management principles for food service personnel.

REQUIRED COURSES: CULIN 111, 113, 116, HRM 115, 117, 201, 203, 214 or 216, 256; CULIN 50 (three units).

NOTE: Students can also earn an AS by completing the General Education requirements.

**SOCIAL MEDIA MARKETING I
CERTIFICATE NON-DEGREE**

This certificate's curriculum is designed for students who need the social media marketing basics and are planning to begin careers in social media planning and buying. **Program Learning Outcomes:** Upon completion of this program, the student will Evaluate the effectiveness of social media content based on engagement metrics. Generate original social media content ideas tailored to specific target audiences. Create a basic social media marketing plan outlining goals, strategies, and tactics. Students must complete all the required courses for a minimum of 9 units.

REQUIRED COURSES: BUSAD 162, 163, 165

**Financial Aid Ineligible.

**SPORTS COACHING
CERTIFICATE**

This certificate provides students a foundation in evidence-based coaching theories and effective practices to prepare students to become sports coaches for community or competitive sports. Communication techniques, sports-skills development and ethical standards are emphasized, along with considerations for coaching a diverse population of athletes across all ages, racial backgrounds, competition levels and abilities. Students should be able to perform moderate physical activity and communicate verbally in English before starting this program, and are encouraged to practice their focus sport(s) through PE sports classes or intercollegiate sports competition prior to and/or during the program. Students must complete all required core courses for a total of 22-25 units. **Program Learning Outcome:** Upon completion of this program students will be able to Evaluate coaching philosophies, leadership styles, skill development tools, and practice organization strategies to enhance the growth of athletes. Develop and examine the value of effective communication with administration, parents, officials and student athletes to facilitate positive social growth. Recognize ethical and social responsibilities in the area of coaching and how to work through ethical dilemmas in sport.

REQUIRED COURSES: HLTH 101; KIN 157, 167, 168, 170; PSYCH 170; Select one of the following: KIN 151, 171, 144, 146 .

Select one of the following: HLTH 128; NUTR 125.

Select one of the following: ETH S 110, 121; ENGL C1000.

Select one of the following: PE 140, 150, 202, 210, 217, 220, 238, 256, 261, 274.

NOTE: Students can also earn an AS by completing the General Education requirements.

**TAX PREPARER
CERTIFICATE NON-DEGREE**

This certificate is designed to train students in the preparation of Federal and California state income tax returns. Students will develop a working knowledge of Federal and State Income tax law as it applies to individuals. **Program Learning Outcomes:** Upon completion of this program, students will be able to demonstrate ability to read and understand the contents of a corporation's annual report ; develop a working knowledge of Federal and State Income tax law as it applies to individuals; and be able to prepare an individual tax return. The student must complete all CORE courses totaling 17-18 units.

REQUIRED COURSES: ACCTG 101 or 110, 130, 150, 155, 156, 160.

TECHNICAL THEATRE CERTIFICATE NON-DEGREE

This certificate provides training in basic technical theatre skills for career employment in production and performance within the theatre industry. Students must complete all required courses for a minimum of 20 units. **Program Learning Outcomes:** Upon completion of this program, students will apply skills and knowledge of theatre in preparation for transferability or vocation; be able to analyze a play from script to performance; be able to identify theatre terms and occupations; and will identify theatre as a collaborative art form.

REQUIRED COURSES: T ART 101, 171, 173.

Three units from the following: T ART 100, 103, 172.

Four units from the following: T ART 180, 181, 182, 183, 184.

Four units from the following: T ART 109, 110, 121, 122, 123.

TRANSITIONAL KINDERGARTEN CERTIFICATE NON-DEGREE

This certificate provides students with the requisite coursework to teach in the TK setting. Beginning in August 2020, credentialed teachers wishing to teach in a TK setting must complete 24 units of Child Development or Early Childhood Education coursework. The courses offered in this TK Certificate will prepare students to specifically work with four and five-year-old children, with an emphasis on the California Preschool Learning Foundations and how to create a developmentally appropriate environment for young children. Students must complete all required core courses for a total of 24 units. **Program Learning Outcomes:** Upon completion of this program, students will have acquired a broad and critical understanding of the roles and responsibilities of professional early childhood educators. They will be able to effectively plan, implement and evaluate developmentally appropriate, culturally and linguistically relevant curriculum to support the development and learning of young children with special emphasis on Transitional Kindergarten (TK) and children enrolled in a TK program.

REQUIRED COURSES: CHLDV 101, 135, 137, 140, 142, 156, 159.

Select three units from the following: CHLDV 152, 154, 158.

UNIX/LINUX SYSTEM ADMINISTRATOR CERTIFICATE NON-DEGREE

Program Learning Outcomes: Upon successful completion of this certificate program, the student will be able to install, configure and maintain an industry standard computer with the Unix/Linux operating system that is connected to the Internet.

REQUIRED COURSES: CS/IS 172, 174, 190.

Additional Course (select one or more): CS/IS 112, 135, 151, 193, 196, 197.

**Financial Aid Ineligible

WEB DEVELOPMENT CERTIFICATE

This certificate is designed for both the IT professional and the college student seeking a thorough preparation for the field of Web development. Course work includes Internet technologies, Web graphic design skills, programming and scripting for the Web. Students must complete all required courses for a minimum of 24 units. **Program Learning Outcomes:** Upon successful completion of this program, the student will be able to use industry standard tools and techniques to produce, publish and maintain Websites and Web content. A major skill-building project spanning three semesters is included in the course work.

REQUIRED COURSES: CS/IS 255, 260, 261, 262, 264, 265, 266;

A minimum of nine units from the following courses: CS/IS 190, 112, 172, 234; ENTRE 101, 102.

NOTE: Students can also earn an AS by completing the General Education requirements.

WELDING CERTIFICATE

This certificate is designed to train students in all fundamental processes of welding including Oxy/Acetylene, Metal Inert Gas (MIG), Arc, and Tungsten Inert Gas (TIG). Students prepare to successfully pass the American Welding Society (AWS) certification exams and to enter this in-demand workforce within one to two years. Students must complete all required courses for a minimum of 19 - 20 units. **Program Learning Outcomes:** Upon completion of this program, students will be able to demonstrate the skills necessary to read engineering drawings and solve technical mathematics problems as they relate to welding tasks. Students will complete introductory and advanced level welding projects using various techniques and procedures. Students will discuss metallurgical concepts, heat treating procedures, and machine tool technology concepts.

REQUIRED COURSES: ENGR 102; WELD 117, 118 or 121, 122, 123, 124, 125 or 126; MTLGY 150.

NOTE: Students can also earn an AS by completing the General Education requirements.

ASSOCIATE DEGREES FOR TRANSFER AA-T/AS-T

California Community Colleges are now offering associate degrees for transfer to the CSU. These may include Associate in Arts (AA-T) or Associate in Science (AS-T) degrees. These degrees are designed to provide a clear pathway to a CSU major and baccalaureate degree. California Community College students who are awarded an AA-T or AS-T degree are guaranteed admission with junior standing somewhere in the CSU system and given priority admission consideration to their local CSU campus or to a program that is deemed similar to their community college major. However, this degree may not be the best option for students intending to transfer to a particular CSU campus or to a university or college that is not part of the CSU system.

Students who have been awarded an AA-T or AS-T degree are able to complete their remaining requirements for the baccalaureate degree within 60 semester or 90 quarter units. Current and prospective community college students are encouraged to meet with a counselor to review their options for transfer and to develop an educational plan that best meets their goals and needs.

The following is required for all AA-T/AS-T to earn an Associate Degree for Transfer (ADT):

1. Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
 - a. The California General Education Transfer Curriculum (Cal-GETC).
 - b. A minimum of 18 semester units or 27 quarter units in the major or area of emphasis with a grade of C or better. A "P" (Pass) grade is also an acceptable grade for courses in the major or area of emphasis.
2. Obtainment of a minimum grade point average of 2.0

***Units for major may be double-counted for (Cal-GETC)**

****Elective units to reach 60 unit total must be CSU transferable**

Planning to Transfer?

ASSIST is a computerized student-transfer information system that can be accessed over the World Wide Web. It displays reports of how course credits earned at one public California college or university can be applied when transferred to another. ASSIST is the official repository of articulation for California's public colleges and universities and provides the most accurate and up-to-date information available about student transfer in California.

Major preparation courses for CSU, UC, and select CA private colleges and universities can be found at www.assist.org. ASSIST is an online student-transfer information system that shows how course credits earned at a California Community College can be applied when transferred to CSU, UC, and select CA private colleges and universities.

www.assist.org

Your official source for California articulation and student transfer information.



AS-T — ADMINISTRATION OF JUSTICE

The AS-T in Administration of Justice provides students with a strong academic foundation in the field and preparation for upper division baccalaureate study. Students who have completed the AS-T in Administration of Justice will have satisfied the lower division requirements for transfer into Administration of Justice or a similar major for many campuses in the California State University system. Please consult a GCC counselor regarding specific course requirements for your transfer institution. **Program Learning Outcomes:** Upon completion of the program, students will be able to Identify major topics, developments, debates, and issues in the field of administration of justice. Apply their knowledge of key concepts in administration of justice to discuss, analyze, and synthesize a variety of theoretical and practical foci within the discipline. Gain a global, national, and local perspective on issues pertaining to the administration of justice preparing them for multiple pathways for future study and career opportunities.

Required Core: ADMJ 101 and 103;

List A: Select two courses (6 units) ADMJ 116, 118, 120, 160, 165;

List B: Select two courses (6 units) Any course from List A not used above; ADMJ 107, 110, 117, 129, 134, 170, 201; PSYC C1000 or PSYC C1000H, PSYCH 200, POLS C1000, SOC 101 or 101H, 200, ECON 127, STAT C1000 or STAT C1000E or STAT C1000H

Required Units for Major: 18-19 units*

AA-T — ANTHROPOLOGY

The AA-T in Anthropology provides students with a strong academic foundation in the field and preparation for upper division baccalaureate study. Students who have completed the AA-T in Anthropology will have satisfied the lower division requirements for transfer into Anthropology or a similar major for many campuses in the California State University system. Please consult a GCC counselor regarding specific course requirements for your transfer institution. **Program Learning Outcomes:** Upon completion of this program, students will be able to Develop a broad and critical understanding of the complex interconnections between the human and environmental forces in their world. Analyze and describe how culture acts as our primary adaptive response.

Required Core: ANTHR 101 or 110, 102 or 102H, 150;

List A: Select one course (3 units) Science Methods: ANTHR 104, 105, ECON 127 or STAT C1000 or STAT C1000E or STAT C1000H

List B: Select one to two courses (3-5 units) Any course from List A not used above; PSYCH 200 or SOC 200; Select one course (3-5 units) Sciences: GEOL 101 and 111 or GEOL 101H and GEOL 111H; BIOL 120, GEOG 155

List C: Select one course (3-5 units) Any List A or B course not already used ANTHR 103, 114, ETH S 121, 125; GEOG 103; HIST 101, 102, 102H, 103, 104; HUMAN 115; PHILO 115; SOC 102, 104.

Required Units for Major: 18-23 units*

AA-T — ART HISTORY

The AA-T in Art History provides students with a strong academic foundation in the field and preparation for upper division baccalaureate study. Students who have completed the AA-T in Art History will have satisfied the lower division requirements for transfer into Art History or a similar major for many campuses in the California State University system. Please consult a GCC counselor regarding specific course requirements for your transfer institution. **Program Learning Outcomes:** Upon completion of this program, students will be able to identify major topics, developments, debates, and issues of art history; apply their knowledge of key concepts in art history to discuss, analyze, and synthesize a variety of theoretical and practical foci within the discipline; and gain a global, national, and local perspective on issues pertaining to art history preparing them for multiple pathways to future study and career opportunities.

Required Core: ARTH 101, 102, and ART 150;

List A: Select one course (3 units) ARTH 108, 112, 115, 116;

List B: Select one course (3 units) ART 130, 138, 152, 180, 186; PHOTO 100;

List C: Select one course (3 units) Any List A or B course not already used; ARTH 103, 104, 105, 106, 107, 111, 113, 118, 119, 120, 121, 125, 199.

Required Units for Major: 18 units*

AS-T — BIOLOGY

The AS-T in Biology provides students with a strong academic foundation in the field and preparation for upper-division baccalaureate study. Students who have completed the AS-T in Biology will have satisfied the lower division requirements for transfer into Biology or a similar major for many campuses in the California State University system. Please consult a GCC counselor regarding specific course requirements for your transfer institution. **Program Learning Outcomes:** Upon completion of this program, provides a strong foundation for transfer to a four-year university in order to complete a BS in Biology or related fields. It may also provide appropriate training for employment in biological laboratories, museums, and/or educational outreach.

Required Core: BIOL 101, 102;

List A: CHEM 101, 102, MATH 103E

Select one of the following options:

Option 1 (10 units) PHY 101 and 102

Option 2 (8 units): PHY 105 and 106

Required Units for Major: 32-34 units*

AS-T — BUSINESS ADMINISTRATION 2.0

The AS-T in Business Administration 2.0 provides students with a strong academic foundation in the field and preparation for upper division baccalaureate study. Students who have completed the AS-T in Business Administration 2.0 will have satisfied the lower division requirements for transfer into Business Administration or a similar major for many campuses in the California State University system. Please consult a GCC counselor regarding specific course requirements for your transfer institution. **Program Learning Outcomes:** Upon completion of this program, students will be able to recognize, analyze, and assess current economic challenges facing global and domestic businesses; analyze, evaluate, and explain business problems using basic concepts and terminology of accounting and finance; and understand and apply the four P's of marketing, business law, investments, and management.

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; STAT C1000.

Required Units for Major: 31 units*

AA-T — COMMUNICATION STUDIES 2.0

The AA-T in Communication Studies 2.0 provides students with a strong academic foundation in the field and preparation for upper division baccalaureate study. Students who have completed the AA-T in Communication Studies 2.0 will have satisfied the lower division requirements for transfer into Communication Studies or a similar major for many campuses in the California State University system. Please consult a GCC counselor regarding specific course requirements for your transfer institution. **Program Learning Outcomes:** Upon completion of this program, students will be able to demonstrate oral and written communication skills to produce effective speeches. Demonstrate increased appreciation of the speech communication process. Demonstrate the ability to apply critical thinking skills in the areas of speaking and listening.

Required Core: COMM C1000; COMM 100

List A: Select three courses (9 units) COMM 103, 104, 106, 108, 120, 160; MCOMM 101

List B: Select one courses (3 units) Any course from list A not used above; ANTHR 102, 102H; PSYC C1000, C1000H; SOC 101, 101H; ENGL 102, 102H, 104; JOURN 102 COMM 105, 115, 117

Required Units for Major: 18 - 18.5 units*

AS-T — EARLY CHILDHOOD EDUCATION

The AS-T in Early Childhood Education provides students with a strong academic foundation in the field and preparation for upper division baccalaureate study. Students who have completed the AS-T in Early Childhood Education will have satisfied the lower division requirements for transfer into Early Childhood Education or a similar major for many campuses in the California State University system. Please consult a GCC counselor regarding specific course requirements for your transfer institution. **Program Learning Outcomes:** Upon completion of this program, students will be able to pPromote Child Development by developing an understanding of young children and their needs, as well as, the multiple interacting influences on children's development and learning in order to create healthy, respectful supportive and challenging environments for all children. Build family and community relationships. Observe, document and assess child development and learning to support young children and families. Plan, implement and evaluate developmentally appropriate, culturally and linguistically relevant experiences that promote and/or support development and learning for all children. Identify and conduct themselves as members of the early childhood profession, using ethical guidelines and other professional standards related to early childhood best practices.

Required Core: CHLDV 133, 135, 138, 140, 141*, 142, 150, 156, 180*, or 181*, or 182* (*141 must be taken concurrently with 180, or 181, or 182).

Required Units for Major: 24 units*

AA-T — ECONOMICS

The AA-T in Economics provides students with a strong academic foundation in the field and preparation for upper division baccalaureate study. Students who have completed the AA-T in Economics will have satisfied the lower division requirements for transfer into Economics or a similar major for many campuses in the California State University system. Please consult a GCC counselor regarding specific course requirements for your transfer institution. **Program Learning Outcomes:** Upon completion of this program, students will be able to Develop a broad and critical understanding of the complex interconnections between the human and environmental forces in their world. Demonstrate an understanding of economic theories and functioning of basic microeconomic and macroeconomic systems.

Required Core: ECON 101, 102 or 102H;

Select one of the following: (4-5 units) ECON 127, STAT C1000 or STAT C1000E or STAT C1000H

Select one of the following: (3-5 units) MATH 112 or 112+, or 103E or 103E+ or 103EH;

List A: Select one course: ACCTG 101, 102; BUSAD 106, 120 CS/IS 101; MATH 104E or 104EH

List B: Select one course: Any List A course not already used above: ECON 111, MATH 105 or 105H, 107, 107H.

Required Units for Major: 21-27 units*

AA-T — ELEMENTARY TEACHER EDUCATION

The AA-T in Elementary Teacher Education provides students with a strong academic foundation in the field and preparation for upper division baccalaureate study. Students who have completed the AA-T in Elementary Teacher Education will have satisfied the lower division requirements for transfer into Liberal Studies or a similar major at many campuses in the California State University system. Please consult a GCC counselor regarding specific course requirements for your transfer institution. **Program Learning Outcomes:** Upon completion of the program students will be able to: apply developmental theories to elementary school-age children and elementary school classrooms, demonstrate an introductory understanding of the requirements of the Multiple Subject Teaching Credential, and discuss the history of education and current trends in education.

Required Core: CHLDV 101, 135; GEOL 105 and 115; SPCH 101; ENGL 101, 102; CHEM 110; PHY 110; BIOL 122; HIST 117, 140; GEOG 103; POL S 101; MATH 138;

List A: Select one course (3 units) ENGL 104;

List B: Select one course (3 units) DANCE 100; T ART 101; ARTH 115;

List C: (0-12 additional units) ANTHR 105; ENGL 105, 106, 109, 110, 122, 123, 127; HUMAN 105; PHILO 101; 116.

Required Units for Major: 53 units*

AA-T — ENGLISH

The AA-T in English provides students with a strong academic foundation in the field and preparation for upper division baccalaureate study. Students who have completed the AA-T in English will have satisfied the lower division requirements for transfer into English or a similar major for many campuses in the California State University system. Please consult a GCC counselor regarding specific course requirements for your transfer institution. **Program Learning Outcomes:** The knowledge and skills offered in this degree lead students to develop foundational knowledge in grammar, composition. Apply literary and rhetorical concepts in order to critically read, write, think, and research..

Required Core: ENGL C1001, 102 or 102H

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; ENGL 112, 114, 115, 118, 130, 212; ARMEN 102; CHIN 102; FREN 102, 103, 104; ITAL 102, 103, 104; JAPAN 102, 103, 104; KOREA 102; SPAN 102, 103, 104, 115, 124H; JOURN 102; BUSAD 106; COMM 106; HUMAN 115; THTR 101; ANTHR 105.

Required Units for Major: 18-20 units*

AS-T — FILM, TELEVISION AND ELECTRONIC MEDIA

The AS-T in Film, Television, and Electronic Media provides students with a strong academic foundation in the field and preparation for upper division baccalaureate study. Students who have completed the AS-T in Film, Television, and Electronic Media will have satisfied the lower division requirements for transfer into Film, Television, and Media or a similar major for many campuses in the California State University system. Please consult a GCC counselor regarding specific course requirements for your transfer institution. **Program Learning Outcomes:** Upon completion of this program, the students will have the skill to apply concepts of composition, film language 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; 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 (6 units) MCOMM 101, FTVM 100, FTVM 112 or 120;

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

Area 1: Audio: FTVM 135;

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

List B: Select one course (3 units)

Any course not already used above, ARTH 125, PHOTO 101,

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

Required Units for Major: 18 units*

AA-T — GEOGRAPHY

The AA-T in Geography provides students with a strong academic foundation in the field and preparation for upper division baccalaureate study. Students who have completed the AA-T in Geography will have satisfied the lower division requirements for transfer into Geography or a similar major for many campuses in the California State University system. Please consult a GCC counselor regarding specific course requirements for your transfer institution. **Program Learning Outcomes:** Upon completion of this program, the student will be able to Analyze, describe, and evaluate the interconnections between cultures and places as well as between nature and society. Acquire, analyze, evaluate, and interpret geographic data and maps. Develop a broad and critical understanding of the complex interconnections between the human and environmental forces in their world.

Required Core: GEOG 101, 111, 102 or 103

List A: Select two courses (6 -7 units) Any Core course not already used; GEOG 107, 110, 155, 160;

List B: Select two courses (6 units) Any course from List A not already used; ANTHR 102 or 102H; GEOG 106, 170, 171; GEOL 101 or 101H.

Required Units for Major: 19 units*

AS-T — GEOLOGY

The AS-T in Geology provides students with a strong academic foundation in the field and preparation for upper division baccalaureate study. Students who have completed the AS-T in Geology will have satisfied the lower division requirements for transfer into Geology or a similar major for many campuses in the California State University system. Please consult a GCC counselor regarding specific course requirements for your transfer institution. **Program Learning Outcomes:** Upon completion of this program, the student will have the knowledge and skills offered to develop foundational knowledge to be able to use evidence-based approaches to explore and evaluate global issues such as natural disaster preparation, energy, resources, and climate; apply reasoning to evaluate hypotheses and theories; analyze, interpret, and present research evidence.

Required Core: GEOL 101 and 111, GEOL 105 and 115; CHEM 101 and 102; MATH 103E and 104E.

Required Units for Major: 28 units*

AA-T — HISTORY

The AA-T in History provides students with a strong academic foundation in the field and preparation for upper division baccalaureate study. Students who have completed the AA-T in History will have satisfied the lower division requirements for transfer into History or a similar major for many campuses in the California State University system. Please consult a GCC counselor regarding specific course requirements for your transfer institution. **Program Learning Outcomes:** Upon completion of this program, students will engage with the past in order to promote critical thinking, develop information competency, improve communication, and foster global awareness. Learn how to analyze sources using historical thinking skills to discover facts, weigh interpretations, and draw conclusions to understand how historical knowledge is created.

Required Core: HIST 117, 118 or 118H;

List A: (6 units) HIST 101 or 170, 102 or 102H or 180;

List B: Select one course from each area:

Area 1: (3 units) Any world history course from list A not already used; ANTHR 114; ETH S 110, 120, 121, 123, 125, 132, 164; GEOG 102; HIST 101, 102 or 102H, 103, 104, 105, 111 or 111H, 113, 115, 119, 120, 121, 131, 132; SOC S 120, 127, 130.

Area 2: (3 units) Any history course (including List A courses, if not used above); HIST 106, 122, 133, 133H, 135, 136, 152; PHILO 115, 121; POLS C1000, 111.

Required Units for Major: 18 units*

AA-T — JOURNALISM

The AA-T in Journalism provides students with a strong academic foundation in the field and preparation for upper division baccalaureate study. Students who have completed the AA-T in Journalism will have satisfied the lower division requirements for transfer into Journalism or a similar major for many campuses in the California State University system. Please consult a GCC counselor regarding specific course requirements for your transfer institution. **Program Learning Outcomes:** Upon completion of this program, the student will have the skills necessary to recognize and produce well-written news and feature articles; the ability to visually present news material (articles and pictures) in an appealing way; and demonstrate knowledge of what is newsworthy.

Required Core: JOURN 102, 103; MCOMM 101;

List A: Select one (3 units) JOURN 104, 110, 250;

List B: Select two courses (6 units) ENGL 104; PHOTO 101; POL S 101.

Required Units for Major: 18.5-20 units*

AA-T — KINESIOLOGY

The AA-T in Kinesiology provides students with a strong academic foundation in the field and preparation for upper division baccalaureate study. Students who have completed the AA-T in Kinesiology will have satisfied the lower division requirements for transfer into Kinesiology or a similar major for many campuses in the California State University system. Please consult a GCC counselor regarding specific course requirements for your transfer institution. **Program Learning Outcomes:** Upon completion of this program, the student will have the skills necessary to be successful in upper division courses at the university. The student will be able to demonstrate critical thinking skills necessary to understand and analyze knowledge specific to kinesiology; exhibit knowledge of the skeletal and neuromuscular structures of the human body; demonstrate oral and written communication that meets appropriate professional and scientific standards in kinesiology; perform basic motor skills and apply a variety of concepts, theories, and methods common to kinesiology to bridge the gap between theory and practice; and apply and access universal risk management tools used to promote safe practices in physical activity.

Required Core: KIN 100; BIOL 120 and 121;

Select one course from any of the following Movement Based Course areas for a minimum of three (3) units:

Combative: PE 131, 215, 217;

Dance: DANCE 110, 111, 115, 116, 120, 121, 124, 125, 126, 127, 128, 129, 131, 133, 138;

Fitness: PE 102, 108, 110, 111, 180, 181, 295; KIN 167, 168; DANCE 190, 194;

Individual Sports: PE 140, 141, 202, 203, 261, 262;

Team Sports: PE 150, 151, 210, 211, 238, 239, 274, 275.

List A: Select two courses (7-9 units minimum) BIOL 115; CHEM 101 or 120; HLTH 102; MATH 136; PHY 105.

Required Units for Major: 22-24 units*

AS-T — MATHEMATICS

The AS-T in Mathematics provides students with a strong academic foundation in the field and preparation for upper division baccalaureate study. Students who have completed the AS-T in Mathematics will have satisfied the lower division requirements for transfer into Mathematics or a similar major for many campuses in the California State University system. Please consult a GCC counselor regarding specific course requirements for your transfer institution. **Program Learning Outcomes:** Upon completion of this program, students will be able to solve Evaluate limits, derivatives and integrals. Solve theoretical problems and prove theorems using calculus, differential equations, and linear algebra. Solve application problems in math and science using calculus, differential equations, and linear algebra.

Required Core: MATH 103E or 103EH or 103E+, 104E or 104EH, 105 or 105H;

List A: Select one course MATH 107, 107H, 108, 108H;

List B: Select one course from the following: Any course from List A not used above; CS/IS 112, 135, 139; STAT C1000 or C1000H or C1000E; PHY 101, 101H.

Required Units for Major: 23-26 units*

AA-T — MUSIC

The AA-T in Music provides students with a strong academic foundation in the field and preparation for upper division baccalaureate study. Students who have completed the AA-T in Music will have satisfied the lower division requirements for transfer into Music or a similar major for many campuses in the California State University system. Please consult a GCC counselor regarding specific course requirements for your transfer institution. **Program Learning Outcomes:** Upon completion of this program, students will be able to identify major topics, developments, debates, and issues in music, students will be able to apply their knowledge of key concepts in music to discuss, analyze, and synthesize a variety of theoretical and practical foci in music. Students will be able to gain a global, national, and local perspective on issues pertaining to music preparing them for multiple pathways for future study and career opportunities.

Required Core: MUSIC 201, 202, 203, 212, 213;

Select one course (3 units) Music 101, 211

Required two units: MUSIC 140;

Select four courses (4 units) MUSIC 143, 146, 147, 148, 230, 231, 232, 233, 240, 241, 242.

List A: (3-4 units) Music 120, 125, 126, 160, 161, 162, 177, 204, 214

Required Units for Major: 21-22 units*

AS-T — NUTRITION AND DIETETICS

The AS-T in Nutrition and Dietetics provides students with a strong academic foundation in the field and be prepared for upper division baccalaureate study. Students who have completed the AS-T in Nutrition and Dietetics will have satisfied the lower division requirements for transfer into Nutrition and Dietetics or a similar major for many campuses in the California State University system. Please consult a GCC counselor regarding specific course requirements for your transfer institution. **Program Learning Outcomes:** Upon Completion of this program, students will be able to evaluate nutrition-related scientific concepts and methods. Appraise and correlate food composition to nutrition and health. Examine the functions and impact of nutrients in physiological processes of disease and health.

Required Core: BIOL 112; CHEM 101; NUTR 125; PSYC C1000 or PSYC 1000H.

List A: Select two courses (8-10 units) BIOL 120,121; CHEM 102, 105; STAT C1000, C1000E, or C1000H.

List B: Select one (3-5 units) BIOL 101, 122; CHEM 120; CULIN 111; SOC 101 or 101H; ANTHR 102 or 102H

Required Units for Major: 27-31*

AA-T — PHILOSOPHY

The AA-T in Philosophy provides students with a strong academic foundation in the field and preparation for upper division baccalaureate study. Students who have completed the AA-T in Philosophy will have satisfied the lower division requirements for transfer into Philosophy or a similar major for many campuses in the California State University system. Please consult a GCC counselor regarding specific course requirements for your transfer institution. **Program Learning Outcomes:** Upon completion of this program, students will be able to iDemonstrate a critical understanding of the issues, arguments, and metaphors that structure our cultural lives. Demonstrate a critical understanding of the issues, arguments, and metaphors that structure our political lives.

Required Core: (6 units total) Select one courses PHILO 117
Select one course from the following: PHILO 101 or 101H, 116

List A: Select one course (3 units): Any course from Required Core not used above; PHILO 119, 120;

List B: Select two courses (6 units): Any course from List A not used above; HIST 170, 180;PHILO 115, 130

List C: Select one course (3 units): Any course from List A or List B not used above; HUMAN 105 or 105H; PHILO 121.

Required Units for Major: 18 units*

AS-T — PHYSICS

The AS-T in Physics provides students with a strong academic foundation in the field and preparation for upper division baccalaureate study. Students who have completed the AS-T in Physics will have satisfied the lower division requirements for transfer into Physics or a similar major for many campuses in the California State University system. Please consult a GCC counselor regarding specific course requirements for your transfer institution. **Program Learning Outcomes:** Upon completion of this program, students will be able to Apply appropriate physical laws and mathematical techniques to analyze various physical situations. Perform various scientific experiments and to analyze data to check agreement with theoretical predictions.

Required Core: PHY 101 or 101H, 102, 103; MATH 103E or 103EH or 103E+, 104E or 104EH, 105 or 105H.

Required Units for Major: 30 - 31 units*

AA-T — POLITICAL SCIENCE

The AA-T in Political Science provides students with a strong academic foundation in the field and preparation for upper division baccalaureate study. Students who have completed the AA-T in Political Science will have satisfied the lower division requirements for transfer into Political Science or a similar major for many campuses in the California State University system. Please consult a GCC counselor regarding specific course requirements for your transfer institution. **Program Learning Outcomes:** Upon completion of this program, students will be able to Develop a broad and critical understanding of the complex interconnections between the human and environmental forces in their world. Critically analyze and evaluate political institutions and processes in their state, national, and international environments.

Required Core: POLS C1000;

Select two of the following courses (6 units) POLS 102, 103, 104

List A: Select two courses (6-9 units); Any course not selected from Required Core; ECON 127; POLS 108, 111, 114, 115, 170, 171; STAT C1000 or STAT C1000E or STAT C1000H;

List B: Select one courses (3 units); Any course not selected from Required Core or List A; ANTHR 102 or 102H; ETH S 165; GEOG 102; HIST 104, 117, 118 or 118H, 136, 152; MCOMM 101; PHILO 116; SOC 102, 103; SOC S 120, 127.

Required Units for Major: 18 - 21 units*

AA-T — PSYCHOLOGY

The AA-T in Psychology provides students with a strong academic foundation in the field and preparation for upper division baccalaureate study. Students who have completed the AA-T in Psychology will have satisfied the lower division requirements for transfer into Psychology or a similar major for many campuses in the California State University system. Please consult a GCC counselor regarding specific course requirements for your transfer institution. **Program Learning Outcomes:** Upon completion of this program, students will be able to Communicate how genetics and environmental factors interact to affect behaviors. Critically analyze research articles in psychology to analyze a specific topic regarding human and animal behavior.

Required Core: PSYCH 200, STAT C1000 or STAT C1000E or STAT C 1000H or ECON 127; PSYC C1000 or PSYC C1000H;;

List A: Select one course BIOL 115, 122; PSYC 103;

List B: (3 units) Any course from List A not already used; PSYC 104 or 104H; 106

List C: (3 units) Any course from List A or B not already used; ANTHR 102 or 102H; BIOL 120; CHEM 101, 110; PHY 110; PHILO 101 or 101H, 116, 119, 120, PSYCH 105, 110, 113, 115, 131; SOC 101 or 101H

Required Units for Major: 20 - 25 units*

AS-T PUBLIC HEALTH

The AS-T in Public Health provides students with a strong academic foundation in the field and preparation for upper division baccalaureate study. Students who have completed the AS-T in Public Health will have satisfied the lower division requirements for transfer into Public Health or a similar major for many campuses in the California State University system. Please consult a GCC counselor regarding specific course requirements for your transfer institution. **Program Learning Outcomes:** Upon completion of this program, students will be able to Explain the role of public health in protecting and improving health across local, national, and global communities. Discuss the biological, environmental, behavioral, and social determinants of health. Find and utilize credible public health information sources. Analyze health equity strategies such as community organizing, advocacy, and policy change.

Required Core: BIOL 122, HLTH 104, 105, STAT C1000

List A: Select one course CHEM 101, BIOL 120, 121, 112

List B: Select one course from the following; HLTH 107, PSYC C1000, SOC 101

List C: Select one course from the following: HLTH 106, 108, 128; NUTR 125; PSYC 105

Required Units for Major: 24 - 25 units*

AA-T — SOCIAL JUSTICE: GENDER STUDIES

The AA-T in Social Justice: Gender Studies provides students with a strong academic foundation in the field and preparation for upper division baccalaureate study. Students who have completed the AA-T in Social Justice: Gender Studies will have satisfied the lower division requirements for transfer into Gender Studies or a similar major for many campuses in the California State University system. Please consult a GCC counselor regarding specific course requirements for your transfer institution. **Program Learning Outcomes:** Upon completion of this program, students will have the knowledge and skills to critically examine individual experiences, social institutions, and historical perspectives through the lens of gender and sexuality; to analyze how these formations intersect with other socially salient aspects of identity including but not limited to race, class, and nation; and articulate connections between global, regional, and local issues pertinent to the study of gender and sexuality.

Required Core: ETH S 121; SOC 104; SOC S 130;

Select three courses from at least two of the following areas. Only one course from Area 4 may be used.

AREA 1: History or Government - HIST 111, 115;

AREA 2: Arts and Humanities - ARTH 118; ENGL 111

AREA 3: Social Science - ANTHR 114; ETH S 110; PSYC H105, 113;

AREA 4: Quantitative Reasoning and Research Methods – PSYC 200; MATH 136;

AREA 5: Major Preparation - ETH S 120, 123, 125, 132; HLTH 106.

Required units for major: 18 - 20 units*.

AA-T — SOCIAL WORK AND HUMAN SERVICES

The AA-T in Social Work and Human Services provides students with a strong academic foundation in the field and preparation for upper division baccalaureate study. Students who have completed the AA-T in Social Work and Human Services will have satisfied the lower division requirements for transfer into Social Work, Human Services, or a similar major for many campuses in the California State University system. Please consult a GCC counselor regarding specific course requirements for your transfer institution. **Program Learning Outcomes:** Upon completion of this programs, students will be able to Explain the qualities and characteristics of effective human service professionals who view clients as whole persons in the context of their family, culture, and community using a biopsychosocial perspective. Apply knowledge of human behavior and the social environment to outcomes assessments that view clients as whole persons in the context of their family, culture, and community using a biopsychosocial perspective.

Required Core: SOC 140, 141A, 141B, 101 or 101H; PSYC C1000 or PSYC C1000H; BIOL 115 or 120 or 121 or 122; ECON 101 or 102 or 102H; ECON 127 or STAT C1000 or C1000E or C1000H

List A: Select two courses (6 units): ADMJ 101; ANTHR 102 or 102H; CHLDV 135, 142; COMM 108; ENGL 104; HIST 117; 118 or 118H; PSYC 115, 106; SOC 102; ETH S 121.

Required units for major: 29 - 31 units*

AA-T — SOCIOLOGY

The AA-T in Sociology provides students with a strong academic foundation in the field and preparation for upper division baccalaureate study. Students who have completed the AA-T in Sociology will have satisfied the lower division requirements for transfer into Sociology or a similar major for many campuses in the California State University system. Please consult a GCC counselor regarding specific course requirements for your transfer institution. **Program Learning Outcomes:** Upon completion of this program, students will be able to critically analyze and evaluate social phenomena, which involve social institutions and processes, within various contexts from the local to the global.

Required Core: SOC 101;

Select two courses (6.5 -7.5 units) SOC 102, SOC 200; MATH 136;

List A: Select two courses (6 units) Any Required Core course not already used. SOC 131, SOC 103, 104; ETH S 121; PSYCH 104;

List B: Select one courses (3 units) Any course not used above; SOC 105, 140; PSYCH 101, ETH S 102, 111, 123, 125, 132, 166, SOC S 101, 110, 130; ANTHR 102, GEOG 102; HIST 152.

Required Units for Major: 18.5-19.5 units*

AA-T — SPANISH

The AA-T in Spanish provides students with a strong academic foundation in the field and preparation for upper division baccalaureate study. Students who have completed the AA-T in Spanish will have satisfied the lower division requirements for transfer into Spanish or a similar major for many campuses in the California State University system. Please consult a GCC counselor regarding specific course requirements for your transfer institution. **Program Learning Outcomes:** Upon completion of this program, students will be able to demonstrate reading and listening comprehension skills, and oral and written communicative skills in Spanish. Students will be able to demonstrate a broad knowledge of the cultures of the Spanish speaking world and the history and/or literature of Spanish speaking countries as a foundation for upper-division courses in Spanish.

Required Core: (Option 1) SPAN 101, 102, 103 or 115, 104;

List A: (if a course from Option 1 has been substituted and additional course needs to be taken from Option 2) SPAN 124H, 131; ETH S 120; HIST 103, 104, 105, 113.

Note: If a student places out of any core course(s) and is not awarded units for that course, the student will need to take additional units to compensate for the course/units required to reach at least 18 total units in the major (Title 5 regulations). Suggested substitutions include courses in Option 2/List A. This program is 18-20 units (Option 1 is 20 units; Option 2 with a substitute course is 18 units)

Required Units for Major: 20 units*

AA-T — STUDIO ARTS

The AA-T in Studio Arts provides students with a strong academic foundation in the field and preparation for upper division baccalaureate study. Students who have completed the AA-T in Studio Arts will have satisfied the lower division requirements for transfer into Studio Arts or a similar major for many campuses in the California State University system. Please consult a GCC counselor regarding specific course requirements for your transfer institution. **Program Learning Outcomes:** Upon completion of this program, students will be able to Demonstrate intermediate mastery in a range of 2D/3D visual media. Employ basic concepts in 2D design and drawing, or 3D design and drawing-for-sculpture. Create portfolio-ready, original artworks. Discuss and apply visual concepts and aesthetics from art history, contemporary art, and popular culture.

Required Core: ARTH 102 or 102H, 130, 138, 150;

List A: Select one (3 units) , 101 or 101H, 108, 116;

List B: Select three (9 units) ART 144, 151 or 152, 160, 170, 180, 186, 220; PHOTO 100 or 101.

Required Units for Major: 24 units*

AA-T — THEATRE ARTS

The AA-T in Theatre Arts provides students with a strong academic foundation in the field and preparation for upper division baccalaureate study. Students who have completed the AA-T in Theatre Arts will have satisfied the lower division requirements for transfer into Theatre Arts or a similar major for many campuses in the California State University system. Please consult a GCC counselor regarding specific course requirements for your transfer institution. **Program Learning Outcomes:** Upon completion of this program, students will be able to identify major topics, ideas, debates and issues in theater arts. Students will be able to apply their knowledge of key concepts in theatre arts to discuss, analyze, and synthesize a variety of theoretical and practical foci within the discipline. Students will be able to gain a global, national, and local perspective on issues pertaining to the theatre arts preparing them for multiple pathways for future study and career opportunities.

Required Core: (9 units) T ART 101 or 102, 103,

Select one course from the following: (3 units) T ART 160, 161, 162, 163, 164, 180, 181, 182, 183, 184;

List A: Select three courses (9 units) T ART 104, 107, 109 & 110, 123, 171, 172, 173, 160* or 161* or 162* or 163* or 164* or 180* or 181* or 182* or 183* or 184*.

*If not used in Required Core.

Required Units for Major: 18 - 19 units*

TRANSFER INFORMATION

Many students transfer to a four-year college or university after completing lower-division courses at GCC. Transfer courses are designed to parallel lower-division offerings at four-year colleges and universities. Through the transfer curriculum, GCC students may complete freshman and sophomore requirements and transfer with junior or upper-division status. Transfer requirements vary by college and university, so choosing a transfer institution early is important to ensure that students complete the right courses. Students are strongly encouraged to make an appointment to meet with a counselor during their first semester to develop a Student Education Plan (SEP), which will list all the required courses to reach their goal. Requirements can change from year to year, so students should meet with a counselor regularly for the most current transfer information. This planning ensures that students complete needed courses at GCC in a timely manner and can reduce the time needed at the four-year college or university to attain a bachelor's degree.

With careful planning, students may also complete graduation requirements for the Associate of Arts (AA), Associate of Science (AS), Associate of Arts for Transfer (AA-T), or Associate of Science for Transfer (AS-T) degree at the same time that they are preparing to transfer.

Transfer to the California State University (CSU)

To transfer as a junior to the CSU, students must meet the following requirements:

1. Complete a minimum of 60 CSU-transferable semester units, including at least 30 semester units of general education.
2. As part of the general education requirements, complete the "Golden Four":
 - English Composition
 - Critical Thinking
 - Oral Communication
 - Mathematical Concepts and Quantitative Reasoning
3. Obtain a minimum 2.0 GPA. GPA requirements may be significantly higher if the campus or the major is impacted.
4. Must be in good standing (eligible to re-enroll) at the last college or university attended.

Transfer to the University of California (UC)

To transfer as a junior to the CSU, students must meet the following requirements:

1. Complete a minimum of 60 UC-transferable semester units.
2. Obtain a minimum 2.4 GPA (2.8 for California non-residents). At many UC campuses, admission is competitive and the required GPA can be significantly higher.
3. Complete the following 7-course pattern with a grade of "C" or better in each course:
 - Two transferable courses in English Composition
 - One transferable course in Mathematical Concepts and Quantitative Reasoning
 - Four transferable courses from at least two of the following subject areas: Arts and Humanities, Social and Behavioral Sciences, Physical and Biological Sciences

Some unit limitations may apply. Students should speak with a counselor for more information regarding UC transfer credit limitations.

Transfer to Private or Out-of-State Colleges and Universities

Each private and out-of-state college or university has its own admission requirements. Students looking to transfer to a private or out-of-state college or university should meet with a counselor to see if Glendale Community College has an articulation agreement with the intended transfer institution. Information regarding articulation agreements can be found on the Articulation website. If no articulation agreement exists, students should refer to the transfer institution's website or contact their admissions office for more information. After researching the transfer admission requirements, students are encouraged to follow up with a GCC counselor to develop a Student Education Plan (SEP).

California General Education Transfer Curriculum (Cal-GETC)

Effective Fall 2025, Assembly Bill 928 (AB 928) requires that California Community Colleges (CCC) implement a singular lower-division general education (GE) pattern called the California General Education Transfer Curriculum (Cal-GETC).

Completion of Cal-GETC will permit a student to transfer from a California Community College (CCC) to a California State University (CSU) or University of California (UC) campus or program without the need, after transfer, to take additional lower-division, general education courses to satisfy campus general education requirements. Completion of Cal-GETC is not an admission requirement or admission guarantee for transfer to the CSU or UC, nor is it the only way to fulfill the lower-division, general education requirements for students at the CSU or UC. However, Cal-GETC may be a requirement for some programs (e.g., if an ADT is required). For most students, it is strongly recommended to complete Cal-GETC requirements prior to transfer. However, completion of the Cal-GETC requirements may not be appropriate for some engineering, math, or science, or other high unit majors. Additionally, some individual colleges or majors within a UC campus may not accept or recommend Cal-GETC to fulfill all of their general education requirements. Students should meet with a counselor to discuss the most appropriate general education pattern for their major and intended transfer institution. Students transferring to a CSU who are Cal-GETC certified will still need to complete 9 semester units of upper-division general education (GE) after transfer and may also be held to other campus specific graduation requirements outside of general education and major coursework.

Students not completing the Cal-GETC requirements before transferring will be subject to the regulations regarding general education requirements of the school or college of the campus to which they have been admitted.

Requesting Cal-GETC Certification

In order for students to show completion of the Cal-GETC requirements, students must request that Cal-GETC certification be posted to their official GCC transcript by completing the Transcript Request Form, checking the appropriate box (Cal-GETC), and submitting the request to the Office of Admissions Records.

CALIFORNIA GENERAL EDUCATION TRANSFER CURRICULUM (CAL-GETC)

Cal-GETC - California General Education Transfer Curriculum

Completion of Cal-GETC will permit a student to transfer from a California Community College (CCC) to a California State University (CSU) or University of California (UC) campus or program without the need, after transfer, to take additional lower-division, general education courses to satisfy campus general education requirements.

Although it is strongly recommended that students complete Cal-GETC prior to transfer, completion of Cal-GETC may not be appropriate for some engineering, math, science, or other high unit majors. Some individual colleges or majors within a UC campus may not accept or recommend Cal-GETC to fulfill all of their general education requirements. See a counselor to discuss the best path for you.

All courses must be completed with grades of "C" or better. Courses appearing in more than one area may be used to satisfy only one area. The (^) notation indicates that transfer credit may be limited by UC. See a counselor for details.

Area 1: English Communication

One course from each 1A, 1B, and 1C subject area. Minimum of 9 semester units or 12 quarter units

1A: English Composition – English C1000 (previously English 101), C1000E[^] (previously ENGL 101+), C1000H (previously ENGL 101H)

1B: Critical Thinking and Composition – English C1001 (previously ENGL 104), 102, 102H

1C: Oral Communication – Communication Studies C1000 (previously SPCH 101)

Area 2: Mathematical Concepts and Quantitative Reasoning

One course. Minimum of 3 semester units or 4 quarter units.

Computer Science/Information Systems 125

Economics 127[^]

Mathematics 100[^], 100+[^], 101E[^], 103E[^], 103E+[^], 103EH[^], 104E, 104EH, 105, 105H, 107, 107H, 108, 108H, 109, 110[^], 110A[^], 110B[^], 111[^], 112[^], 112+[^], 133, 134, 135, 137[^]

Statistics C1000[^] (previously MATH 136), C1000E[^] (previously MATH 136+), C1000H[^] (previously MATH 136H)

Area 3: Arts and Humanities

One course from each Area 3A and 3B subject area. Minimum of 6 semester units or 8 quarter units.

3A: Arts –

Art History 101, 101H, 102, 102H, 103, 104, 105, 106, 107, 108, 111, 112, 113, 115, 116, 118, 119, 120, 121, 125, 199

Dance 100, 102

Film, TV, and Media Arts (previously MEDIA) 100 (previously MEDIA 110), 101, 102, 103, 104, 106, 107, 108

Music 101[^], 120, 120H, 121, 122, 125, 126, 127, 211[^]

Theatre Arts 101, 102, 107

3B: Humanities –

Armenian 102[^], 116[^], 117, 125, 126, 127

Chinese 102

Economics 111

English 105, 106, 109, 110, 111, 117, 122, 123, 125, 127, 130

French 102, 103, 104

History 101, 102, 102H, 103, 104, 105, 106, 111, 111H, 113, 115, 116,

118, 118H, 119, 120, 121, 122, 131, 132, 133, 133H, 136, 152, 170, 180

Humanities 105, 105H, 106, 110, 111, 115, 117, 125, 135, 140

Italian 102, 103, 104, 130

Japanese 102, 103, 104, 132

Korean 102

Philosophy 101, 101H, 115, 116, 119, 120, 121, 130

Spanish 102[^], 103, 104, 115[^], 124H, 131

Area 4: Social and Behavioral Sciences

Two courses from two academic disciplines. Minimum of 6 semester units or 8 quarter units.

Anthropology 102, 102H, 103, 104, 105, 114, 150

Child Development 135

Communication Studies (previously Speech) 108, 115, 120

Economics 101, 102, 102H, 111, 170

Ethnic Studies 110, 120, 121, 123, 125, 132, 164, 165, 166

Geography 102, 103, 106, 110, 170, 171

Health 105, 106[^]

History 101, 102, 102H, 103, 104, 105, 106, 111, 111H, 113, 115, 116, 117, 118,

118H, 119, 120, 121, 122, 131, 132, 133, 133H, 135, 136, 152, 170, 180

Linguistics 101, 101H, 102, 102H, 103, 103H

Mass Communications 101

Political Science C1000 (previously Political Science 101),

102, 103, 104, 108, 111, 114, 115, 170, 171

Psychology C1000 (previously Psychology 101), C1000H, (previously Psychology 101H), 104, 104H, 105, 106, 113, 115, 131, 150, 200

Social Science 101, 105, 110, 120, 127, 130

Sociology 101, 101H, 102, 103, 104, 105, 108, 114, 131, 140, 171, 200

Area 5: Physical and Biological Sciences

One course from each 5A and 5B subject area. One of the two courses must include a laboratory.

Minimum of 7 semester units or 9 quarter units.

Underlined courses in Areas 5A and 5B will satisfy the lab requirement. Courses in Area 5C are lab courses that must be taken concurrently or after successfully completing the corresponding lecture course.

5A: Physical Science –

Astronomy 110, 120

Chemistry 101, 102, 105, 106, 110[^], 120[^], 121[^]

Geography 101, 107

Geology 101, 101H, 102, 105

Oceanography 115

Physics 101[^], 101H[^], 102[^], 103[^], 105[^], 106[^], 110[^]

5B: Biological Science –

Anthropology 101, 110

Biology 101, 102, 112, 115[^], 120, 121, 122[^], 123, 123H, 125, 125H, 140

Psychology 103

5C: Lab –

Anthropology 111, Astronomy 102, Biology 126, Geography 111,

Geology 111, 111H, 112, 115, Oceanography 116, Psychology 203

Area 6: Ethnic Studies

One course. Minimum of 3 semester units or 4 quarter units. C IP N

Ethnic Studies 110, 120, 121, 132

CSU Graduation Requirement in U.S. History, Constitution and American Ideals

Not part of Cal-GETC, but may be completed prior to transfer.

Two courses, with one from US-1 and one from US-2/3.

US-1: Economics 111 History 111, 111H, 116, 117, 118, 118H

US-2/3: Political Science C1000 (previously Political Science 101)

UC Graduation Requirement in Language Other Than English

Not part of Cal-GETC, but may be completed prior to transfer.

Proficiency equivalent to two years of high school study in the same language. Proficiency can be demonstrated in many ways, including completing 2 years of high school coursework in a language other than English with a final term grade of "C-" or better, passing scores on AP and IB HL language exams, SAT II Subject Tests, and more. See a counselor for more information. If not already met, take one of the following courses:

American Sign Language 101, 102, 103, 104 **Armenian** 101, 102 **Chinese** 101, 102 **Filipino** 101, 102, 115 **French** 101, 102, 103, 104 **Italian** 101, 102, 103, 104 **Japanese** 101, 102, 103, 104 **Korean** 101, 102 **Spanish** 101, 102, 103, 104, 115

COURSE DESCRIPTIONS

Courses are listed in numerical order under department headings, which are in alphabetical order. Each course is listed by number with the course title and the number of units. Following each course description are the number of hours of lecture and laboratory and prerequisites of the course. Transferability of the course is indicated for institutions to which students tend to matriculate. Whether or not all courses described will be offered during the present academic year will depend on the student enrollment.

COURSE PREREQUISITES/COREQUISITE/ RECOMMENDED PREPARATION

Prerequisites

"Prerequisite means a condition of enrollment that a student is required to meet in order to demonstrate current readiness for enrollment in a course or educational program."

Students are expected to have satisfied the prerequisite requirements as stated in this catalog for all courses. **All prerequisite classes must have been completed with a satisfactory grade.** "Satisfactory grade means that, for the course in question, the student's academic record has been annotated with the symbol A, B, C, or P."

Corequisites

"Corequisite means a condition of enrollment consisting of a course that a student is required to simultaneously take in order to enroll in another course."

Classes listed as Corequisite must have been either completed or be taken concurrently.

Recommended Preparation

"Recommended preparation means a condition of enrollment that a student is advised, but not required, to meet before or in conjunction with enrollment in a course or educational program."

Recommended preparation has been judged by individual departments to be important to success in a course.

Equivalent

Whenever "equivalent" is listed as an alternative prerequisite, it is understood to indicate knowledge and/or skills learned through personal experience, education, and/or training equivalent to listed prerequisite courses. The criteria for such equivalency are established by each instructional discipline to ascertain whether there has been sufficient mastery of the content of the academic prerequisite.

Note: Title 5, Section 55003 (p) permits a student to appeal a course prerequisite based on the unavailability of the required course (see waiver of prerequisites).

DEGREE AND TRANSFER CREDIT

Not all courses offered at Glendale Community College award Associate of Arts and/or Associate of Science degree credit. Courses that do not award credit toward the AA/AS degrees contain the statement "**non-degree applicable**" in their course description and may not be counted toward the 60 unit requirement for graduation. All students completing non-degree applicable courses prior to Fall 1990 will continue to receive graduation credit for these courses. Transfer credit is noted at the end of each course description. The note "CSU" means the course is transferable to the California State University, all campuses. The note "UC" means the course is transferable to the University of California, all campuses. The note "USC" means the course is transferable to the University of Southern California. Agreements concerning transferability are constantly being updated. Therefore, the student is cautioned to check with a counselor or the Transfer Center for exact transfer information. Some University of California (UC) transfer credits may be limited; consult a counselor or the Transfer Center for additional information.

VARIABLE UNITS

Certain courses in this catalog have variable units indicated and specify the maximum number of units that may be acquired by repetitive enrollment in the class. Students who complete variable unit classes and earn less than the maximum units as indicated may repeat those classes only until the maximum indicated units have been earned.

OPEN ENROLLMENT

Unless specifically exempted by statute, every course, course section, or class for which average daily attendance is to be reported for state aid shall be open for enrollment and participation by any person who has been admitted to the college and who meets the prerequisites of such courses.

COURSE FAMILIES

New regulations require grouping active participatory courses previously designated as “activities” courses into “families” and limiting enrollment in courses within the families to four experiences regardless of grade.

Course families are courses with related content where the content progresses into levels from one course to the next (Title 5 §55000) or in which the content is linked around themes. Areas required to group courses into families are Physical Education and Visual and Performing Arts. Here are GCC’s Course Families:

ART - Ceramics; Ceramic Hand Building

STUDIO ARTS - 2D Art Foundations; Life Drawing; Oil Media; Water Media; Printmaking; Special Projects in Studio Arts; Sculpture; and 3D Design

DANCE - Ballet Technique; Modern Dance Technique; Jazz Technique; American Vernacular Dances; Cultural Dance; Choreographic Studies; Performance Skills; Production Studies; and Movement for Theatre

MUSIC - Piano; Classical Guitar; Contemporary Guitar; Voice Training

THEATRE ARTS - Acting; Directing, Playwriting, Management; Costume and Makeup; Scenic and Lighting, Technical Theatre: Stagecraft/Building; Theatre Production-Rehearsal and Performance; Technical Theatre Production-Running Crew

PHYSICAL EDUCATION/KINESIOLOGY - Adapted Physical Education; Basketball; Cardio Fitness; Cycling; Golf; Martial Arts; Motor Performance Fitness; Racquet; Soccer/Football; Volleyball

COURSE ID NUMBERING SYSTEM (C-ID)

The Course ID Numbering System (C-ID) is a statewide numbering system independent from the course numbers assigned by local California community colleges. A C-ID number next to a course signals that participating California colleges and universities have determined that courses offered by other California community colleges are comparable in content and scope to courses offered on their own campuses, regardless of their unique titles or local course number. Thus, if a schedule of classes or catalog lists a course bearing a C-ID number, for example, COMM 110, students at that college can be assured that it will be accepted in lieu of a course bearing the C-ID COMM 110 designation at another community college. In other words, the C-ID designation can be used to identify comparable courses at different community colleges. Students may consult the ASSIST database at www.assist.org for specific information on C-ID course designations. Students can confirm how each college’s course will be accepted at a particular four-year college or university for transfer credit.

The C-ID numbering system is useful for students attending more than one community college and is applied to any of the transferable courses students need as preparation for transfer. Because these course requirements may change and because courses may be modified and qualified for or deleted from the C-ID database, students should always check with a counselor to determine how C-ID designated courses fit into their educational plans for transfer. Counselors can always help students interpret or explain this information.

All courses that have been approved for C-ID designation at Glendale Community College include the C-ID number within the course description as listed on the following pages.

COMMON COURSE NUMBERING

As a result of AB 1111, California Community Colleges will be adopting a statewide Common Course Numbering (CCN) system. The purpose of the CCN system is to ensure that comparable courses across all California Community Colleges have the same course number so that students can easily identify courses that meet equivalent transfer requirements. This system will eventually assign common numbers, titles, and descriptions across all California Community Colleges, ensuring that equivalent courses have the same identifier, regardless of the college offering them.

Additional can be found on the Glendale College Website www.glendale.edu/ccn. Information on the background and progress on the implementation of Common Course Numbering, please see the websites of the California Community Colleges Chancellor’s Office <https://www.cccco.edu/About-Us/Chancellors-Office/Divisions/Educational-Services-and-Support/common-course-numbering-project> and Academic Senate for California Community Colleges <https://www.asccc.org/common-course-numbering-ccn-development-and-faculty-engagement>.

ACCOUNTING

50

ACCOUNTING INTERNSHIP

1.0 to 3.0 Units

ACCTG 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, accounting 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, accounting. 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. Complete two or more accounting courses within your program before attempting an internship. Laboratory 3-9 hours. **Recommended Preparation:** ESL 141. **Transfer Credit:** CSU

101

FINANCIAL ACCOUNTING

5.0 Units

ACCTG 101 introduces students to accounting and financial concepts and terminology from the perspective of an accounting employee. The course covers financial accounting and topics including the accounting cycle, revenue and expense recognition, internal control, external reporting requirements, cash flow, financial statement analysis, Generally Accepted Accounting Principles (GAAP), International Financial Reporting Standards (IFRS), and asset, liability, and stockholder's equity valuation. Students will explore and write about ethical issues and open-ended exercises requiring critical judgment. Lecture 5 hours. **Recommended Preparation:** Concurrent enrollment or completion of CABOT 260 or 270 or equivalent spreadsheet experience. **Prerequisite:** None Course Typically Offered: Winter/Spring/Summer/Fall. **Transfer Credit:** CSU, UC, USC. (C-ID ACCT 110)

102

MANAGERIAL ACCOUNTING

5.0 Units

ACCTG 102 introduces students to advanced accounting concepts. It presents managerial accounting from an information-user, decision-making viewpoint. Students will critically review and evaluate issues regarding managerial accounting for business operations, meeting four-year college transfer expectations, and financial management. We will explore ethical issues and open-ended exercises requiring critical judgment and written responses. Lecture 5 hours. **Prerequisite:** ACCTG 101 or equivalent. **Recommended Preparation:** Concurrent enrollment or completion of CABOT 260 or 270, or equivalent spreadsheet experience. Course Typically Offered: Winter/Spring/Summer/Fall. **Transfer Credit:** CSU, UC, USC. (C-ID ACCT 120)

120

COMPUTERIZED ACCOUNTING SYSTEMS

3.0 Units

ACCTG 120 provides students with computer skills required for employment in the field of computerized accounting by providing an introduction to accounting application software for bookkeepers, accountants, and business managers. Lecture 3 hours. **Recommended Preparation:** ACCTG 101 or 110 or equivalent experience in accounting. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU

121

ADVANCED COMPUTERIZED ACCOUNTING

3.0 Units

ACCTG 121 is an advanced course that empowers students to acquire advanced computerized accounting skills through the utilization of widely adopted accounting programs such as QuickBooks. Participants will engage in hands-on activities, working with diverse accounting software to create sophisticated practice sets. It is important to note that this course is graded on a Pass/No Pass basis. Lecture 3 hours. **Recommended Preparation:** ACCTG 101, ACCTG 110, ACCTG 120, or STV 97, or equivalent. Course Typically Offered: Fall/Winter. **Transfer Credit:** CSU

130

PAYROLL ACCOUNTING

3.0 Units

ACCTG 130 provides in-depth and practical instruction in payroll accounts. It offers an opportunity for students to learn essential concepts of payroll and to understand these concepts thoroughly by completing a wide variety of realistic activities. It covers payroll laws, payroll calculations, paying and recording payroll, Federal and State payroll taxes and returns and manual and computerized payroll accounting systems. Lecture 3 hours. **Recommended Preparation:** ACCTG 101, ACCTG 110 or equivalent. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU

150

PRINCIPLES OF INCOME TAXATION

3.0 Units

ACCTG 150 is a course that focuses on the analysis and preparation of tax returns, itemized deductions, and a technical proficiency in federal and state tax law as it applies to the individual. This course provides the foundation of knowledge required for tax practitioners. Lecture 3 hours. **Prerequisite:** None. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU

160

ADVANCED INCOME TAX

3.0 Units

ACCTG 160 addresses the tax implications of accounting methods, rental and royalty income, business income and expenses, mechanisms for realizing income such as corporations and partnerships, and tax minimization strategies through tax planning. This course provides valuable insights for tax practitioners, individuals interested in seeking an overview of the various methods of taxation, and those preparing for the Enrolled Agents examination administered by the Internal Revenue Service. Lecture 3 hours. **Prerequisite:** ACCTG 150 or equivalent. Course Typically Offered: Spring. **Transfer Credit:** CSU

**165
TAX PLANNING TAX RESEARCH
AND TAX FRAUD**
3.0 Units

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. Lecture 3 hours. *Recommended Preparation:* ACCTG 150. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU

**175
ESTATE GIFT AND TRUST
TAXATION**
2.0 Units

ACCTG 175 covers estate, gift, and trust taxation. Topics include computation of gross estate tax, valuation of gross estate, deductions from the gross estate, transfers by gift, basis of property transferred by gift, present and future interests, exclusions from gift taxes, generation-skipping transfer tax (GST), and taxation of trusts. Lecture 2 hours. *Recommended Preparation:* ACCTG 150 or equivalent.

**180
FINANCIAL ANALYSIS AND
COMMUNICATIONS**
2.0 Units

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. Lecture 2 hours. *Recommended Preparation:* ACCTG 101 or equivalent; and CABOT 260, CABOT 265, or CABOT 270, or equivalent. Course Typically Offered: Fall/Spring.

**185
DATA ANALYTICS FOR
ACCOUNTING**
3.0 Units

ACCTG 185 is an introductory course focusing on the concepts of data analytics used in business and provides students with a basic understanding of data analytic thinking and terminology as well as hands-on experience with data analytics tools and techniques. Accountants and managers need to understand the implications for decision-making and utilize the data to provide better insights. While there will be some use of tools in this course (programs such as Excel or SAS), the focus of this class is on concepts and critical thinking. Lecture 2 hours/Laboratory 3 hours. *Recommended Preparation:* ACCTG 101. *Transfer Credit:* CSU, UC

**201
INTERMEDIATE ACCOUNTING I**
5.0 Units

ACCTG 201 is an advanced course in financial accounting. Topics include preparing income statements, statements of cash flow, time value of money, income measurement, balance sheets, cash and receivables, and inventories. Lecture 5 hours. *Prerequisite:* ACCTG 101 or equivalent. Course Typically Offered: Fall (Every Other Year). *Transfer Credit:* CSU, UC

**202
INTERMEDIATE ACCOUNTING II**
5.0 Units

ACCTG 202 expands on liabilities and owner's equity concepts covered in ACCTG 201. The course covers short and long-term liabilities, leases, pensions, and payroll. It also delves into corporate income taxes, details the preparation of the Statement of Cash Flows, and discusses accounting changes and errors. The goal is to understand corporations' disclosure and reporting responsibilities for comprehensive financial reporting. Lecture 5 hours. *Prerequisite:* ACCTG 101 or equivalent. Course Typically Offered: Spring (Every Other Year). *Transfer Credit:* CSU

**210
ADVANCED ACCOUNTING**
5.0 Units

ACCTG 210 is an advanced course in financial accounting. Topics include business combinations, consolidated statements, goodwill, intercompany transactions, cash flow, earnings per share, special issues in investments, subsidiary equity transactions, leverage buyouts, and partnerships, multinational accounting, interim reporting and disclosures, governmental and not-for-profit accounting, debt restructuring, corporate reorganizations, and liquidations. Lecture 5 hours. *Prerequisite:* ACCTG 201 or equivalent. Course Typically Offered: Spring (Every Other Year). *Transfer Credit:* CSU

**220
COST ACCOUNTING**
3.0 Units

ACCTG 220 is an advanced course in managerial accounting. Topics include job costing, product costing, process costing, joint-process costing, activity based costing systems, support service costs, value chain, quality management, cost-volume-profit models, budgeting, variance analysis, capital investment decisions, and transfer pricing. Lecture 3 hours. *Prerequisite:* ACCTG 102 or equivalent. Course Typically Offered: Spring (Every Other Year).

**225
AUDITING**
3.0 Units

ACCTG 225 is an advanced course that addresses the concepts of audit evidence and materiality. Topics include the audit profession, audit risks, audit analysis, statistical sampling, planning the audit, conducting the audit, and reporting the results of an audit. Lecture 3 hours. *Prerequisite:* ACCTG 101 or equivalent. Course Typically Offered: Fall/Spring.

**230
ACCOUNTING INFORMATION
SYSTEMS**
3.0 Units

ACCTG 230 is an advanced course that addresses the concepts of information and database systems used in a business. Topics include accounting information systems, data communications, database systems, information systems and processes, and other areas covered on the uniform Certified Public Accountant (CPA) exam. Lecture/Demonstration 3 hours. *Prerequisite:* ACCTG 101 or equivalent. Course Typically Offered: Spring. *Transfer Credit:* CSU

235 FRAUD EXAMINATION

3.0 Units

ACCTG 235 is an advanced course that addresses the principles and methodology of fraud detection and deterrence. The course includes such topics as skimming, cash larceny, check tampering, register disbursement schemes, billing schemes, payroll and expense reimbursement schemes, non-cash misappropriations, corruption, accounting principles and fraud, fraudulent financial statements, and interviewing witnesses. Lecture 3 hours. *Prerequisite:* ACCTG 101 or equivalent. Course Typically Offered: Fall.

250 ACCOUNTING ETHICS

3.0 Units

ACCTG 250 is an advanced course that addresses concepts of ethical reasoning and decision processes. Topics include professional judgment, corporate governance, American Institute of Certified Public Accountants (AICPA) code of conduct, accounting fraud, legal and regulatory obligations, earnings management, quality of financial reporting, and International Financial Reporting Standards (IFRS) ethics. Lecture 3 hours. *Prerequisite:* ACCT 101. Course Typically Offered: Spring. *Transfer Credit:* CSU

ADMINISTRATION OF JUSTICE

101 INTRODUCTION TO THE ADMINISTRATION OF JUSTICE 3.0 Units

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. Lecture 3 hours. *Recommended Preparation:* ENGL C1000 or ESL 151, or equivalent. *Transfer Credit:* CSU, UC, USC. (C-ID AJ 110)

103 CONCEPTS OF CRIMINAL LAW

3.0 Units

ADMJ 103 is a study of the legal definition of crime and defenses; purposes and functions of the substantive criminal law; historical foundations; the limits of the criminal law; focus upon the case study approach. This course utilizes case law and case studies to introduce students to criminal law. The completion of this course offers a foundation upon which upper-division criminal justice course will build. Lecture 3 hours. *Prerequisite:* ADMJ 101 or equivalent. *Transfer Credit:* CSU, UC, USC. (C-ID AJ 120)

107 COMMUNITY RELATIONS

3.0 Units

ADMJ 107 focuses on the in-depth exploration of the roles of administration of justice practitioners and their agencies. Through interaction and study, the student becomes aware of the interrelationships and role expectations among the various agencies and the public. Principal emphasis is placed upon the professional image of the system of administration of justice and the development of positive relationships between members of the system and the public. Lecture 3 hours. *Prerequisite:* None. *Transfer Credit:* CSU, UC

110 PRINCIPLES & PROCEDURES OF THE JUSTICE SYSTEM

3.0 Units

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. Lecture 3 hours. *Prerequisite:* None. *Transfer Credit:* CSU, UC

116 CRIMINAL INVESTIGATION

3.0 Units

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. Lecture 3 hours. *Recommended Preparation:* ADMJ 101 or equivalent. *Transfer Credit:* CSU. (C-ID AJ 140)

117 CRISIS INTERVENTION

3.0 Units

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. Lecture 3 hours. *Prerequisite:* None. *Transfer Credit:* CSU

118 JUVENILE JUSTICE

3.0 Units

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. Lecture 3 hours. *Prerequisite:* None. *Transfer Credit:* CSU, UC

120 LEGAL ASPECTS OF EVIDENCE 3.0 Units

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. Lecture 3 hours. *Prerequisite:* None. *Transfer Credit:* CSU, UC

129 SPECIAL CRIMES AND DANGEROUS DRUGS 3.0 Units

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. Lecture 3 hours. *Recommended Preparation:* ENGL C1000 or ESL 151, or equivalent. *Transfer Credit:* CSU

**134
REPORT WRITING**
3.0 Units

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. Lecture 3 hours. *Recommended Preparation:* ENGL C1000 or ESL 151, or equivalent. *Transfer Credit:* CSU

**160
COMMUNITY AND THE JUSTICE
SYSTEM**
3.0 Units

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. Lecture 3 hours. *Recommended Preparation:* ETHS 121, SOC 101, and ENGL C1000 or ESL 151. *Transfer Credit:* CSU, UC

**165
INTRODUCTION TO FORENSICS**
3.0 Units

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. Lecture 3 hours. *Prerequisite:* None. *Transfer Credit:* CSU, UC. (C-ID AJ 150)

**170
ETHICS IN LAW ENFORCEMENT**
3.0 Units

ADMJ 170 defines the principles of a person's character as they relate to ethics. It examines how ethical choices impact the professional law enforcement environment and the subsequent effect on police service. Additionally, the course considers how character and personal values influence the training, supervision, management, and leadership of successful law enforcement organizations. This course addresses the implications of societal changes and the challenges they create in modern police work. Lecture 3 hours. *Recommended Preparation:* ADMJ 101 and ENGL C1000 or ESL 141. *Transfer Credit:* CSU

**201
INTRODUCTION TO HOMELAND
SECURITY**
3.0 Units

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. Lecture 3 hours. *Recommended Preparation:* ENGL C1000 or ESL 151, or equivalent. *Transfer Credit:* CSU

ALCOHOL/DRUG STUDIES**50
ALCOHOL AND DRUG STUDIES
INTERNSHIP**
1.0 to 2.0 Units

ADST 50 is a discipline-specific course, which allows students to earn 1.0 unit in a structured, supervised internship off-campus site under the supervision of a faculty advisor and/or instructor. It is designed to provide students with appropriate preparation and a hands-on work experience in the chemical dependency, co-occurring or medical chemical detoxification treatment settings. The purpose of this class is to enhance students' knowledge, skill levels, and professional competency in their targeted career. This course is required and is to be taken simultaneously with those students taking ADST 152 or ADST 153 and requires faculty advisor approval to register. Note: This course is Pass/No Pass only. Laboratory 3.0-6.0 hours. *Prerequisite:* AD ST 110 and AD ST 112. *Corequisite:* AD ST 152 or AD ST 153. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU

**101
ALCOHOL/DRUG ABUSE AND
DEPENDENCY**
3.0 Units

ADST 101 surveys the use and abuse of alcohol and other drugs in various cultures, their acute and chronic effects on the human body, and the development of psychological and physical dependence. An overview of current theories in dependency is presented. The course addresses the consequences of chemical dependency on the individual, the family system, and society. Lecture 3 hours. *Recommended Preparation:* ENGL C1000, ENGL C1000E, or ENGL C1000H, or equivalent. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU

**103
CHEMICAL DEPENDENCY:
INTERVENTION TREATMENT AND
RECOVERY**
3.0 Units

ADST 103 uses a biopsychosocial perspective to introduce students to the process of intervention, treatment, and recovery. The course introduces crisis intervention, treatment techniques, and other essential tools and methodologies needed to help the chemically dependent person overcome addiction. Lecture 3 hours. *Prerequisite:* AD ST 101 or equivalent (AD ST 101 may be taken concurrently.) *Recommended Preparation:* PSYC C1000. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU

**105
PHARMACOLOGY: ALCOHOL AND
OTHER DRUGS**
3.0 Units

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. Lecture 3 hours. *Prerequisite:* AD ST 101 and 103 (AD ST 101 and AD ST 103 may be taken concurrently.) Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU

110 COUNSELING TECHNIQUES AND CASE MANAGEMENT

3.0 Units

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. Lecture 3 hours. *Prerequisite:* AD ST 101 and 103 (AD ST 101 and AD ST 103 may be taken concurrently). *Recommended Preparation:* PSYC C1000. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU. (C-ID ADS 170X, ADS 120X)

111 FAMILY DYNAMICS AND ADDICTION

3.0 Units

ADST 111 introduces the student to the individual and group dynamics present within the family in which chemical dependency exists. Family systems and personality theories are presented and applied to the treatment of the family as a unit. The theoretical and practical aspects of counseling are presented and cover the active phases of addiction and early stages of recovery. Lecture 3 hours. *Prerequisite:* AD ST 101 and 103 (AD ST 101 and AD ST 103 may be taken concurrently). *Recommended Preparation:* PSYC C1000. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU. (C-ID ADS 180X)

112 GROUP COUNSELING AND THE THERAPEUTIC PROCESS

3.0 Units

ADST 112 is an introduction to the dynamics of group interaction and the facilitator functions of the counselor. The course emphasizes group process and management in the here and now" as a method of bringing about behavioral change. The course includes a strong experiential component as all students participate as both members and facilitators in group process throughout the semester. Lecture 3 hours. *Prerequisite:* AD ST 101 and 103 (AD ST 101 and AD ST 103 may be taken concurrently). *Recommended Preparation:* PSYC C1000. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU. (C-ID ADS 130X)

114 TREATMENT CONSIDERATIONS WITH DIVERSE POPULATIONS

3.0 Units

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. Lecture 3 hours. *Prerequisite:* AD ST 101 and 103 (AD ST 101 and AD ST 103 may be taken concurrently). *Recommended Preparation:* PSYC 104 or ETH S 121. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU

119 CHEMICAL DEPENDENCY AND CO-OCCURRING DISORDERS

3.0 Units

ADST 119 assists the student to better understand and interact with clients with various mental health disorders that complicate coexisting substance abuse problems. It includes personality and mood disorders and various other pathologies, as well as organic brain disorder and their synergistic effect with alcohol and other drugs. The course also covers the diagnostic, therapeutic, and recovery phases for these clients. Lecture 3 hours. *Prerequisite:* AD ST 105 or equivalent (AD ST 105 may be taken concurrently). *Recommended Preparation:* PSYC 115. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU

152 INTERNSHIP I

3.0 Units

ADST 152 is one of two semester-length internships in which the student is assigned to an alcohol/drug related treatment program or agency to acquire work experience. The student functions under agency supervision to gain case management experience which may include working with individuals, couples, and/or families, as well as groups. The course explores the extent to which knowledge of personal family history impacts counselor competencies and relationships with agencies and clients. Internship experiences are explored as they relate to lecture content. The internship hours apply to the additional hours required for state/national credentialing. Lecture 3 hours. *Prerequisite:* AD ST 110 and 112 or equivalent. *Corequisite* AD ST 50 (1 Unit). Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU

153 INTERNSHIP II

3.0 Units

ADST 153 is one of two semester-length internships in which the student is assigned to an alcohol/drug related program or agency. The student functions under agency supervision to gain case management experience which may include working with individuals, couples, and/or families, as well as groups. Course theory focuses on legal and ethical issues, including relationships with clients, colleagues, and agencies. Internship experiences are explored as they relate to lecture content. The internship hours apply to the additional hours required for state/national credentialing. Lecture 3 hours. *Prerequisite:* AD ST 110 and 112 or equivalent. *Corequisite* AD ST 50 (1 Unit). *Transfer Credit:* CSU

154 LEGAL AND ETHICAL ISSUES AND COMMUNITY NETWORKING

4.0 Units

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. Lecture 4 hours. *Recommended Preparation:* AD ST 103 and ABSE 187 or ESL 151. Course Typically Offered: Summer. *Transfer Credit:* CSU

AMERICAN SIGN LANGUAGE

49 AMERICAN SIGN LANGUAGE INDEPENDENT STUDY 1.0 to 3.0 Units

ASL 49 provides well-qualified students with an opportunity to explore a subject in greater depth than usual, to familiarize students with some basic research techniques, to interest students in possible career areas, and to take advantage of special academic interests. Emphasis shall be on individual research projects, library research and preparation of research papers. There is no prescribed course content. Students develop a research project, have it approved by the sponsoring instructor and appropriate division chairperson, then submit the finished project, which may be library research, or perhaps a supervised experimental program related to a specific course of instruction. Registration is open to any student at GCC who is currently registered for 6 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 6 units per division. The units received may be acceptable for college transfer subject to the approval of the individual college. Note: Independent Study are arranged by faculty in the Language Arts Division. This course may be taken 3 times; a maximum of 9 units may be earned. Laboratory 3-9 hours. **Prerequisite:** Concurrent registration in 6 or more units and ASL 101, or equivalent. **Transfer Credit:** CSU

101 AMERICAN SIGN LANGUAGE I 4.0 Units

ASL 101 presents the fundamentals of American Sign Language (ASL) whereby students develop expressive and receptive language skills through the learning of basic vocabulary, grammatical structures, and cultural awareness. Note: This course not intended for students with proficiency in ASL or who have attended schools where ASL was the language of instruction. Lecture 4 hours. **Recommended Preparation:** ESL 141. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU, UC, USC

102 AMERICAN SIGN LANGUAGE II 4.0 Units

ASL 102 is designed to provide a continuation of the introductory course. The major focus of this course is to develop students' American Sign Language vocabulary and comprehension of signed material. Lecture 4 hours. **Prerequisite:** ASL 101. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU, UC, USC

103 AMERICAN SIGN LANGUAGE III 4.0 Units

ASL 103 continues the development of proficiency in American Sign Language grammar with special emphasis on idiomatic constructions. Conversational techniques, with a focus on expressive skills, are further developed. Students continue to expand the study of Deaf cultural issues. Emphasis will be placed on realistic dialogue situations and discussion groups conducted in the target language. Lecture 4 hours. **Prerequisite:** ASL 102. Course Typically Offered: Spring. **Transfer Credit:** CSU, UC, USC

104 AMERICAN SIGN LANGUAGE IV 4.0 Units

ASL 104 is an advanced study of American Sign Language whereby students develop expressive and receptive language skills with an emphasis placed on fluency and refinement of complex vocabulary, grammatical structures, and cultural awareness. Students gain a greater ability to utilize various verb types, temporal markers, adverbial and adjectival structures and develop narrative forms such as story telling and daily events. Students will engage in dialog reflecting real life situations. Lecture 4 hours. **Prerequisite:** ASL 103. **Transfer Credit:** CSU, UC, USC

ANTHROPOLOGY

48 ANTHROPOLOGY INTERNATIONAL FIELD STUDIES 1.0 to 3.0 Units

ANTHR 48 provides college credit to study anthropology 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

49 ANTHROPOLOGY INDEPENDENT STUDY 1.0 to 3.0 Units

ANTHR 49 provides independent exploration to familiarize students with research techniques, career options, and special academic interests in anthropology. 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. Laboratory 3-9 hours. **Corequisite:** Concurrent registration in 6 or more units or equivalent. **Transfer Credit:** CSU

101 PHYSICAL ANTHROPOLOGY WITH LAB 4.0 Units

ANTHR 101 introduces the concepts, methods of inquiry, and scientific explanations for biological evolution and its application to the human species while exploring them in a laboratory setting. 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. The scientific method serves as foundation of the course. Note: A material/lab fee may be required for this course. Lecture 3 hours/ Laboratory 3 hours. **Recommended Preparation:** ENGL C1000, ENGL C1000E, or ENGL C1000H, or equivalent. Course Typically Offered: Winter/Spring/Summer/Fall. **Transfer Credit:** CSU, UC, USC. (C-ID ANTH 110)

**102
CULTURAL ANTHROPOLOGY**

3.0 Units

ANTHR 102 explores the diversity of contemporary human cultures, including indigenous populations from around the world as well as the rich cultural tapestry of our own society. This course examines how people from different cultures acquire food and resources (subsistence patterns); what they find meaningful; how they organize themselves socially, politically and economically; the variety of patterns of marriage, kinship, and family structures; how they express themselves creatively (expressive culture); how gender, ethnic, and age distinctions are expressed in different cultural settings; and how populations have been shaped by colonialism and globalization. Ethnographic case studies highlight the differences and similarities that we find in the human condition. Lecture 3 hours. **Recommended Preparation:** ENGL 100 or ESL 151. Course Typically Offered: Winter/Spring/Summer/Fall. **Transfer Credit:** CSU, UC, USC. (C-ID ANTH 120)

**102H
HONORS CULTURAL ANTHROPOLOGY**

3.0 Units

ANTHR 102H explores the diversity of contemporary human cultures, including indigenous populations from around the world as well as the rich cultural tapestry of our own society. This course examines how people from different cultures acquire food and resources (subsistence patterns); what they find meaningful; how they organize themselves socially, politically and economically; the variety of patterns of marriage, kinship, and family structures; how they express themselves creatively (expressive culture); how gender, ethnic, and age distinctions are expressed in different cultural settings; and how populations have been shaped by colonialism and globalization. Ethnographic case studies highlight the differences and similarities that we find in the human condition. The honors course presents students with the opportunity to complete an original, individual research project or paper and present the findings to the class. Lecture 3 hours. **Recommended Preparation:** ENGL 100 or ESL 151. **Transfer Credit:** CSU, UC, USC. (C-ID ANTH 120)

**103
PREHISTORY**

3.0 Units

ANTHR 103 is an introductory course in which students interpret archaeological materials and information to see how archaeologists can reconstruct and inform our understanding of prehistory and periods of early history. Stress is placed on sampling worldwide prehistoric cultural sequences and exploring the transformative processes and cultural changes leading into the historic periods of developing civilizations. The course specifically addresses early and significant examples of domestication, urbanization, developing social stratification, social conflict, manifestations of religious activities and advances in technological development. Note: This course is eligible to be taken on a Pass/No Pass basis. Lecture 3 hours. **Recommended Preparation:** ENGL 100 or ESL 151. Course Typically Offered: Fall. **Transfer Credit:** CSU, UC, USC

**104
MAGIC RELIGION AND WITCHCRAFT**

3.0 Units

ANTHR 104 is a cross-cultural survey of religion and the supernatural. Students examine magic, witchcraft, and forms of religious expression in a wide variety of cultures around the world. The course considers the forms and functions of supernatural beliefs and rituals in various societies to derive insight into the roles of religious beliefs and institutions in human life. Students explore witchcraft, magic, symbolism, altered states of consciousness, and religious change. Lecture 3 hours. **Recommended Preparation:** ENGL C1000, ENGL C1000E, or ENGL C1000H, or equivalent. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU, UC, USC

**105
CULTURE AND COMMUNICATION**

3.0 Units

ANTHR 105 is an introductory course that uses a cross-cultural approach to examine language use. Through the study of linguistic anthropology, students learn how different culture groups contextualize language. Students examine how language is acquired as part of socialization and explore how linguistic variations occur in contemporary nation states according to class, gender, ethnicity and nationality. Additional topics include multilingualism, African American Vernacular English, Spanglish, paralinguistic, proxemics, creoles, genderlects, and endangered indigenous languages. Lecture 3 hours. **Recommended Preparation:** ENGL C1000, ENGL C1000E, or ENGL C1000H, or equivalent. Course Typically Offered: Spring. **Transfer Credit:** CSU, UC, USC

**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 C1000, ENGL C1000E, or ENGL C1000H, or equivalent. **Transfer Credit:** CSU, UC. (C-ID ANTH 110)

**111
PHYSICAL ANTHROPOLOGY LABORATORY**

1.0 Unit

ANTHR 111 is the laboratory course for Physical Anthropology. Laboratory exercises include the observation and interpretation of: natural selection and evolution; Mendelian, molecular, and population genetics; non-human primate anatomy, taxonomy, and behavior; fossil evidence of hominid evolution; forensic anthropology; human osteology; and human physical variation. Laboratory 3 hours. **Prerequisite:** ANTHR 101 (ANTHR 101 may be taken concurrently). **Recommended Preparation:** ENGL 100 or ESL 141. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU, UC, USC. (C-ID ANTH 115L)

**114
GENDER SEXUALITY AND
CULTURE****3.0 Units**

ANTHR 114 examines how people identify and experience gender, sex, and sexuality in a variety of cultural and historical contexts. Students explore the construction and performance of gendered identities and sexual practices from the holistic perspective of anthropological theories and methodology. Students consider the interplay of the biological with the cultural. Comparative materials from indigenous, non-Western, non-industrial cultures as well as Western and globalized societies will be used to illustrate course concepts. Cultural institutions are framed as fundamental in creating, defining, and reinforcing categories of gender and sex. Economy, politics, nation/state, ethnicity, religion, kinship, worldview, language, and other categories of identity and difference are explored as they relate to gender, sex, and sexuality. Lecture 3 hours. **Recommended Preparation:** ENGL C1000, ENGL C1000E, or ENGL C1000H, or equivalent. **Transfer Credit:** CSU, UC, USC

**150
ARCHAEOLOGY****3.0 Units**

ANTHR 150 is an introduction to the study of concepts, theories, data and models of anthropological archaeology that contribute to our knowledge of the human past. The course includes a discussion of the nature of scientific inquiry; the history and interdisciplinary nature of archaeological research; dating techniques; methods of survey, excavation, analysis, and interpretation; cultural resource management; professional ethics; and selected cultural sequences. Lecture 3 hours. **Recommended Preparation:** ENGL C1000, ENGL C1000E, or ENGL C1000H, or equivalent. Course Typically Offered: Spring. **Transfer Credit:** CSU, UC, USC. (C-ID ANTH 150)

ARCHITECTURE**50
ARCHITECTURE INTERNSHIP**
1.0 to 3.0 Units

ARCH 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 Architecture 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 Architecture. 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. Laboratory 3-9 hours. **Prerequisite:** None. **Transfer Credit:** CSU

**101
DRAFTING AND BASIC DESIGN**
3.0 Units

ARCH 101 is a study in the fundamentals of drafting techniques used in architectural drawing, and the basic design procedure relative to good residential planning. Students will be introduced to residential building codes, drafting of working drawings, scale drawing of construction details, framing concepts, and proper dimensioning techniques. Lecture 1.5 hours/Laboratory 4.5 hours. **Recommended Preparation:** ART 130 and ENGL C1000 or ESL141. **Transfer Credit:** CSU, UC

**102
ARCHITECTURAL DRAFTING AND
DESIGN**
3.0 Units

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. Lecture 1.5 hours/Laboratory 4.5 hours. **Prerequisite:** ARCH 101 or equivalent. **Recommended Preparation:** ARCH 250. **Transfer Credit:** CSU, UC

**103
DESCRIPTIVE GEOMETRY**
3.0 Units

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. Lecture 1.5 hours/Laboratory 4.5 hours. **Prerequisite:** ARCH 101 or equivalent. **Recommended Preparation:** ENGR 109. **Transfer Credit:** CSU, UC, USC

**105
PERSPECTIVE GRAPHICS WITH
INTRODUCTION TO SKETCHUP
AND RHINOCEROS**
3.0 Units

ARCH 105 is a course in technical perspective. Skills are developed in manual drawing techniques of various architectural subjects using formal two-dimensional methods. Introduction to two three-dimensional drawing programs, SketchUp and Rhinoceros is also included. Software topics include graphics user interface, surface editing, rendering, 2d drawing, extrusions, lofting, and digital output. Lecture 1.5 hours/Laboratory 4.5 hours. **Prerequisite:** ARCH 101 or equivalent. **Transfer Credit:** CSU, UC, USC

**106
BUILDING CODES**
3.0 Units

ARCH 106 offers students fundamental instruction regarding the use of current, relevant codes and standards required to review and check plans and specifications in compliance with non-structural aspects of the International Building Code (IBC). Lecture 3 hours. **Prerequisite:** ARCH 101 or equivalent. **Recommended Preparation:** ENGL C1000 or ESL 141, or equivalent. **Transfer Credit:** CSU

**108
ARCHITECTURAL PRINT READING**
3.0 Units

ARCH 108 covers all aspects of architectural print reading including orthographic projection, basic view utilization, residential and commercial standards, dimensioning techniques, International Building Code (IBC), and architectural terminology including abbreviations and symbols. Note: ARCH 108 may not be taken for credit by students who have credit for ARCH 101, 102, 103, 105. Lecture 3 hours. **Prerequisite:** None. **Transfer Credit:** CSU

109 SKETCHING TECHNIQUES FOR ARCHITECTS AND INTERIOR DESIGNERS

3.0 Units

ARCH 109 covers tools, materials, and techniques for producing sketches for architectural projects. The student will apply techniques to accurately render plans, elevations, sections, and interior and exterior views. Drawings will be in 2D, perspective, and axonometric formats. This course uses step-by-step techniques to introduce architecture and interior design students to the fundamentals of freehand sketching. Lecture 1.5 hours/Laboratory 4.5 hours. *Recommended Preparation:* ARCH 101 or equivalent. *Transfer Credit:* CSU, UC

120 RESIDENTIAL ARCHITECTURAL DESIGN I

3.0 Units

ARCH 120 presents a study of the numerous considerations required to build a two story dwelling. Discussion covers fundamentals of design, structural considerations, building code considerations, and techniques of construction. Lecture 1.5 hours/Laboratory 4.5 hours. *Prerequisite:* ARCH 102 or equivalent. *Recommended Preparation:* ENGR 109, ARCH 105, and ARCH 250. *Transfer Credit:* CSU, UC

125 RESIDENTIAL ARCHITECTURAL DESIGN II

3.0 Units

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. Lecture 1.5 hours/Laboratory 4.5 hours. *Prerequisite:* ARCH 120 or equivalent. *Recommended Preparation:* ENGR 109 and ARCH 250. *Transfer Credit:* CSU, UC

130 COMMERCIAL ARCHITECTURAL DESIGN I

3.0 Units

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. Lecture 1.5 hours/Laboratory 4.5 hours. *Prerequisite:* ARCH 102 or equivalent. *Recommended Preparation:* ARCH 120 and ARCH 250. *Transfer Credit:* CSU, UC

135 COMMERCIAL ARCHITECTURAL DESIGN II

3.0 Units

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. Lecture 1.5 hours/Laboratory 4.5 hours. *Prerequisite:* ARCH 130. *Recommended Preparation:* ENGR 109 and ARCH 250. *Transfer Credit:* CSU, UC

141 INTERIOR DESIGN

3.0 Units

ARCH 141 begins with the study of the floor plan and architecture background and moves through the selection and arrangement of furniture, floor, and window treatments, lighting, and accessory planning. Emphasis is placed on the use of design elements such as color, line, shape, texture, pattern, space, and their interaction with one another in the interior environment. Note: This course may not be taken for credit by students who have completed ART 141. Lecture 1.5 hours/Laboratory 4.5 hours. *Recommended Preparation:* ARCH 101 or equivalent. *Transfer Credit:* CSU

142 ADVANCED INTERIOR DESIGN

3.0 Units

ARCH 142 is a concentrated, in depth exploration of the dynamics of space planning and design, along with the design development phases for residential and commercial structures. The student develops drawings and studies models to describe the characteristics of the interior space and construction techniques of the structure. The complete design and documentation process is addressed including: building and program analysis, space planning, lighting design, colors, finishes, furniture, and accessories. Each component evolves from the schematic design phase, through design development, to the final presentation phase. Lecture 1.5 hours/Laboratory 4.5 hours. *Prerequisite:* ARCH 141 or ART 141, or equivalent. *Transfer Credit:* CSU

143 COMMERCIAL INTERIOR DESIGN

3.0 Units

ARCH 143 concentrates on the conceptual interior design development phase for commercial structures. The student develops professional level drawings and models to describe the characteristics of commercial interior space and construction techniques of the interior architectural structure as informed by the applicable building codes and sustainability requirements. The design process includes building and program analysis, space planning, furniture design, lighting design, colors and textures, accessories, and final presentation as applicable for commercial projects. Students will learn typology of the commercial projects, methods of applying design elements and principles to these spaces. Lecture 1.5 hours/Laboratory 4.5 hours. *Prerequisite:* ARCH 141 or equivalent. *Transfer Credit:* CSU

160 ARCHITECTURAL COMPUTER AIDED DRAFTING LABORATORY

2.0 Units

ARCH 160 provides practice using computer-aided drafting (CAD) software. Students will complete architecture-related projects of their own choosing to further develop their CAD skills. Students will also improve their architectural design skills by completing increasingly complex architectural projects. Laboratory 6 hours. *Recommended Preparation:* ARCH 250 or ENGR 109. *Transfer Credit:* CSU

**229
INTRODUCTION TO 3D
VISUALIZATION FOR
ARCHITECTURE & INTERIOR
DESIGN**

3.0 Units

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. Lecture 1.5 hours/Laboratory 4.5 hours. **Recommended Preparation:** ARCH 141. **Transfer Credit:** CSU

**230
ADVANCED 3D VISUALIZATION
FOR ARCHITECTURE AND
INTERIOR DESIGN**

3.0 Units

ARCH 230 teaches advanced features of 3D visualization, augmented realities (AR) and virtual realities (VR) in the architecture and interior design industries. Advanced topics will be explored, such as High Dynamic Range (HDR) scene lighting (lighting sampled from a real environment); global illumination; camera matching, camera tracking; augmented reality publishing. Students will create portfolio-quality visualization projects, including AR and VR immersive components, linking the printed page, the video screen, and the immersive world, into one seamless experience. Lecture 2 hours/Laboratory 4 hours. **Prerequisite:** ARCH 229 or equivalent. **Transfer Credit:** CSU

**240
ARCHITECTURAL PORTFOLIO
DEVELOPMENT**

2.5 Units

ARCH 240 provides instruction in the creation of an architectural portfolio. Topics include usage of software, page layout, and specific portfolio requirements for colleges. Also included is instruction to assemble a collection of sketches, ideas and written descriptions related to a project. Students will develop new or existing projects for use in their portfolio. Portfolios will be used for transfer purposes and as a record of work completed. Lecture 1 hour/Laboratory 4.5 hours. **Recommended Preparation:** ARCH 120, 130, and 250; or equivalent. **Transfer Credit:** CSU

**250
INTRODUCTION TO AUTODESK
REVIT ARCHITECTURE**

3.0 Units

ARCH 250 teaches the fundamentals of the latest version of Autodesk Revit Architecture design software. Projects of a residential and commercial nature are utilized. Techniques used in the creation of floor plans, section views, elevations, schedules, and other construction documents are covered. Lecture 1.5 hours/Laboratory 4.5 hours. **Prerequisite:** ARCH 101 or ARCH 141. **Transfer Credit:** CSU

**251
ADVANCED REVIT
ARCHITECTURE**

3.0 Units

ARCH 251 teaches the advanced features of the Autodesk Revit Architecture design software. Topics include: creating building elements with parametric features, family creation under Imperial Templates, and importing and exporting drawing files. Lecture 1.5 hours/Laboratory 4.5 hours. **Prerequisite:** ARCH 250 or equivalent. **Transfer Credit:** CSU

ARMENIAN

**101
BEGINNING ARMENIAN I**

5.0 Units

ARMEN 101 covers the Armenian alphabet, its letters and their sounds, and the fundamentals of Armenian grammar. Students are taught to pronounce correctly, to acquire a practical vocabulary, and to understand, read, write, and speak simple Armenian. Basic knowledge of the Armenian Culture is presented. Note: This course may not be taken for credit by students who have completed ARMEN 115, 116 or 117. Students with oral proficiency or who have attended schools where Armenian was the language of instruction should enroll in ARMEN 115. Lecture 5 hours. **Recommended Preparation:** ENGL 100 or ESL 141. Course Typically Offered: Fall/Spring/Summer. **Transfer Credit:** CSU, UC, USC

**102
BEGINNING ARMENIAN II**

5.0 Units

ARMEN 102 continues the development of fundamental language skills, including comprehension, reading, listening, and more advanced writing skills. The student continues to acquire a practical vocabulary for speaking everyday Armenian. Students read simple texts in poetry and prose that are culturally significant. Note: This class may not be taken for credit by students who have completed ARMEN 115, 116 or 117. Lecture 5 hours. **Prerequisite:** ARMEN 101 or equivalent. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU, UC, USC

**115
ARMENIAN FOR THE ARMENIAN
SPEAKING I**

5.0 Units

ARMEN 115 provides intensive training in oral and written Armenian for students who already have a familiarity with the language but little and/or no formal instruction in it. Students study the structure of the Armenian language, basic grammar, spelling rules, vocabulary, composition, and oral communication. Students read and discuss literary works in Armenian that are culturally significant. Note: This course may not be taken for credit by students who have completed ARMEN 101 or 102. Students with oral proficiency or who have attended schools where Armenian was the language of instruction can enroll in ARMEN 115 after completing a placement test to determine their fluency level. Lecture 5 hours. **Recommended Preparation:** ESL 141. Course Typically Offered: Winter/Spring/Summer/Fall. **Transfer Credit:** CSU, UC, USC

**116
ARMENIAN FOR THE ARMENIAN
SPEAKING II**

5.0 Units

ARMEN 116 continues to emphasize reading comprehension, composition, oral communication, spelling rules, intensive vocabulary, and a more advanced study of the structure of the Armenian language. Students read and discuss literary works that are culturally significant in Armenian. Note: This course may not be taken for credit by students who have completed ARMEN 101 or 102. Students with oral proficiency or who have attended schools where Armenian was the language of instruction can enroll in ARMEN 116 after completing a placement test to determine their fluency level. Lecture 5 hours. **Prerequisite:** ARMEN 115 or equivalent. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU, UC, USC

117
ARMENIAN FOR THE ARMENIAN
SPEAKING III
5.0 Units

ARMEN 117 emphasizes critical thinking and writing skills using Armenian literature. Students read complete works of fiction and non-fiction, determine what questions those works raise, and discuss and write about their understanding of the texts which provide advanced vocabulary and grammatical structures. Students work to eliminate weaknesses in grammar. Emphasis is placed upon syntax, sentence structure, and idiomatic usage. Writing forms and strategies are taught within the contexts of contemporary ideas and cultural diversity as reflected in selected readings. Note: Students with oral proficiency or who have attended schools where Armenian was the language of instruction can enroll in ARMEN 117 after completing a placement test to determine their fluency level. Lecture 5 hours. **Prerequisite:** ARMEN 102 or 116. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU, UC, USC

125
ANCIENT AND MEDIEVAL
ARMENIAN LITERATURE
3.0 Units

ARMEN 125 provides students with a basic knowledge of Armenian literature and culture from the 5th to the 19th century. Topics covered include the characteristics and evolution of the Armenian language, an overview of Armenian mythology, and ancient and medieval literature. Lecture 3 hours. **Prerequisite:** ARMEN 102 or 115. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU, UC, USC

126
ARMENIAN LITERATURE IN THE
ENLIGHTENMENT ERA
3.0 Units

ARMEN 126 provides students with a basic knowledge of Armenian literature from the early 19th century to the early 20th century. Topics covered include the impact of the European Enlightenment on Armenian literature, culture, secularism, and language reform in the mid 19th century. Emphasis is placed upon literary movements such as classicism and romanticism, as well as realism and critical realism in late 19th century Armenian literature. Lecture 3 hours. **Prerequisite:** ARMEN 102 or 115. Course Typically Offered: Fall. **Transfer Credit:** CSU, UC, USC

127
20TH AND 21ST CENTURY
ARMENIAN LITERATURE
3.0 Units

ARMEN 127 provides students with a basic knowledge of Armenian literature from the early 1900s to contemporary authors. Topics covered include the revolutionary poems of the 1920s in Soviet Armenia, the literature of nostalgia of the post-genocide Armenian Diaspora literary hardship and stagnation in Stalinist-era Armenian literature the stable period of post-Stalinist Armenia and contemporary literature in both Armenia and the Armenian Diaspora. Lecture 3 hours. **Prerequisite:** ARMEN 102 or 115. Course Typically Offered: Spring. **Transfer Credit:** CSU, UC, USC

ART

Art includes two families: Ceramics, and Studio Arts. (See page 123 for more information on course families)

The Ceramics Family includes:

- Ceramics (Art 186, 187, 188, 189).
- Ceramic Hand Building (Art 190, 191, 192).

The Studio Arts Families include:

- 2D Art Foundations (Art 130, 131, 150, 151).
- Life Drawing (Art 152, 153, 158).
- Oil Media (Art 160, 161, 166).
- Water Media (Art 164, 165).
- Printmaking (Art 170, 171).
- Special Projects (Art 144, 157, 179, 280).
- Sculpture (Art 180, 181).

Art History courses can be found in the Art History (ARTH) department in the catalog

48
ART INTERNATIONAL FIELD
STUDIES
1.0 to 3.0 Units

ART 48 provides college credit for travel and study in foreign countries at the student's own expense in programs provided by agencies approved in advance by the College and under the direction of a Glendale Community College instructor. Note: This course may be taken 4 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:** Concurrent registration in 6 or more units. **Transfer Credit:** CSU

49
ART INDEPENDENT STUDY
1.0 to 3.0 Units

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. Laboratory 3-9 hours. **Prerequisite:** ART 130 or equivalent. (ART 130 may be taken concurrently.) **Transfer Credit:** CSU

50
ART INTERNSHIP
1.0 to 3.0 Units

ART 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 Art 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 Art. 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. Laboratory 3-9 hours. **Prerequisite or Corequisite:** Enrollment in ART 101, ART101H, 130, 134, 150, 186, or 205. **Recommended Preparation:** ENGL 101 or ESL 141. Course Typically Offered: Spring. **Transfer Credit:** CSU

130 **2-D FOUNDATIONS** **3.0 Units**

ART 130 is an introduction to the concepts, history and application of two-dimensional art and composition. The course includes the study of the basic principles of line, shape, texture, value, color and spatial illusion. Students will develop a visual vocabulary for creative expression. The course includes lecture demonstrations, studio projects, and written assignments. Note: A material/lab fee may be required for this course. Lecture 2 hours/Studio 2 hours. *Prerequisite:* None. Course Typically Offered: Winter/Spring/Summer/Fall. *Transfer Credit:* CSU, UC, USC. (C-ID ARTS 100) (*Art Foundation Family*)

131 **INTERMEDIATE 2-D DESIGN** **3.0 Units**

ART 131 is an intermediate study of concepts, applications and history, related to two-dimensional art and design. The course includes the study of the intermediate principles of line, shape, texture and pattern, value, color mixing, composition, and spatial illusion. Students will further develop a visual vocabulary for creative expression. The course includes lectures, demonstrations, studio projects, and written assignments. Note: A material/lab fee may be required for this course. Lecture 2 hours/Studio 2 hours. *Prerequisite:* ART 130. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU, UC, USC. (*Art Foundation Family*)

132 **GRAPHIC DESIGN: TYPOGRAPHY** **3.0 Units**

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. Lecture 2 hours/Laboratory 3 hours. *Recommended Preparation:* ART 133. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU, UC

133 **GRAPHIC DESIGN: DIGITAL ILLUSTRATION** **3.0 Units**

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. Lecture 2 hours/Laboratory 3 hours. *Recommended Preparation:* ART 150 or equivalent. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU, UC

134 **GRAPHIC DESIGN: FOUNDATIONS** **3.0 Units**

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. Lecture 2 hours/Laboratory 3 hours. *Prerequisite:* ART 132 or equivalent (ART 132 can be taken concurrently). *Recommended Preparation:* ART 133 or equivalent. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU, UC

135 **GRAPHIC DESIGN: DIGITAL PUBLICATION** **3.0 Units**

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. Lecture 2 hours/Laboratory 3 hours. *Prerequisite:* ART 132. *Recommended Preparation:* ART 133, ART 134, and PHOTO 160. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU

136 **GRAPHIC DESIGN: IDENTITY AND LOGO DEVELOPMENT** **3.0 Units**

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. Lecture 2 hours/Laboratory 3 hours. *Prerequisite:* ART 135 (ART 135 can be taken concurrently). *Recommended Preparation:* ART 132, ART 133, or ART 134. Course Typically Offered: Spring. *Transfer Credit:* CSU

137 GRAPHIC DESIGN: PORTFOLIO 3.0 Units

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. Lecture 2 hours/Laboratory 3 hours. **Prerequisite:** ART 136 (ART 136 can be taken concurrently). **Recommended Preparation:** ART 132, ART 133, ART 134, and ART 135. Course Typically Offered: Fall. **Transfer Credit:** CSU

138 3-D FOUNDATIONS 3.0 Units

ART 138 is an introduction to the concepts, applications, and historical references related to three-dimensional design and spatial composition, including the study of the elements and organizing principles of design as they apply to three-dimensional space and form. Students develop a visual vocabulary for creative expression through lecture presentations and use of appropriate materials for non-representational three-dimensional studio projects. Note: A material/lab fee may be required for this course. Lecture 2 hours/Studio 2 hours. **Prerequisite:** None. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU, UC, USC

144 COLOR THEORY 3.0 Units

ART 144 focuses on the study of the principles, theories, and applications of additive and subtractive color in two dimensions. Topics include major historical and contemporary color systems, production of projects in applied color, and the elements of design as they apply to color. Note: A material/lab fee may be required for this course. Lecture 2 hours/Studio 2 hours. **Prerequisite:** ART 130 or equivalent. **Transfer Credit:** CSU, UC, (C-ID ARTS 270)

150 FUNDAMENTALS OF DRAWING 3.0 Units

ART 150 is an introduction to principles, elements, and practices of drawing. The course focuses on drawing-from-observation, introductory concepts in building shapes, forms and dimensional space, the development of strong technique in a variety of media, and methods for expressing ideas and developing creativity. Note: A material/lab fee may be required for this course. Lecture 2 hours/Studio 2 hours. **Recommended Preparation:** ART 130. Course Typically Offered: Winter/Spring/Summer/Fall. **Transfer Credit:** CSU, UC, USC. (C-ID ARTS 110) (*Art Foundation Family*)

151 INTERMEDIATE DRAWING 3.0 Units

ART 151 is an exploration of artistic concepts, styles, and creative expression related to intermediate-level drawing. The course focuses on complex subject matter and concepts using a variety of drawing mediums, techniques, and methodologies. Students in this course build on fundamental drawing skills to develop personalized approaches to content and materials in exercises covering multiple historical and contemporary approaches to drawing. Note: A material/lab fee may be required for this course. Lecture 2 hours/Studio 2 hours. **Prerequisite:** ART 150 or equivalent. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU, UC, USC. (C-ID ARTS 205) (*Art Foundation Family*)

152 FIGURE DRAWING 3.0 Units

ART 152 is an introduction to drawing the human figure from observation using a wide variety of drawing media and techniques. Topics include an introduction to human anatomy and the historical and contemporary roles of figure drawing in the visual arts. Students in this course will learn both descriptive and interpretive approaches to drawing the figure. Note: A material/lab fee may be required for this course. Lecture 2 hours/Studio 2 hours. **Prerequisite:** ART 150 or equivalent. (ART 150 may be taken concurrently.) Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU, UC, USC. (C-ID ARTS 200) (*Life Drawing Family*)

153 INTERMEDIATE FIGURE DRAWING 3.0 Units

ART 153 is the continuation of basic studies in drawing the figure from life. Further emphasis and attention is given to the development of technique, composition, form and movement in drawing the figure. Expressive use of media, content and narrative, and the development of original projects is explored. Note: A material/lab fee may be required for this course. Lecture 2 hours/Studio 2 hours. **Prerequisite:** ART 152 or equivalent. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU, UC, USC. (*Life Drawing Family*)

157 GALLERY STUDIES/ART PRESENTATION 3.0 Units

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. Lecture 2.5 hours/Laboratory 1.5 hours. **Prerequisite:** None. Course Typically Offered: Fall. **Transfer Credit:** CSU. (*Special Projects Family*)

158 LIFE DRAWING LABORATORY 1.0 Unit

NON-DEGREE APPLICABLE

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: A material/lab fee may be required for this course. Note: This course is Pass/No Pass only. Laboratory 3 hours. **Corequisite:** Enrollment in one of the following: ART 152, 201, or 205. Course Typically Offered: Fall/Spring. (*Life Drawing Family*)

160 PAINTING I

3.0 Units

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. Note: A material/lab fee may be required for this course. Lecture 2.5 hours/Laboratory 1.5 hours. **Prerequisite:** ART 150 or equivalent. (ART 150 may be taken concurrently.) Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU, UC, USC. (C-ID ARTS 210) (*Oil Media Family*)

161 PAINTING II

3.0 Units

ART 161 is the application of principles, theories and techniques of drawing and painting to problems of still life, figure, landscape, and non-objective painting. Note: A material/lab fee may be required for this course. Lecture 2 hours/Studio 2 hours. **Prerequisite:** ART 160 or equivalent. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU, UC, USC

164 WATER COLOR I

3.0 Units

ART 164 is a study of water color medium and techniques. The problems of painting are directed with a regard for special qualities of water color. Class assignments include various approaches to landscape painting, still life, and figure painting. Other studio problems emphasizing abstraction and non-objective painting are explored. Outdoor painting trips are used to help gain experience and skills in landscape painting. Note: A material/lab fee may be required for this course. Lecture 2 hours/Studio 2 hours. **Prerequisite:** ART 150 or equivalent. (ART 150 may be taken concurrently.) Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU, UC, USC. (*Oil Media Family*)

165 WATER COLOR II

3.0 Units

ART 165 is a continuation of the study of water color painting for the more advanced student. The application of general principles and theories of painting in reference to the special qualities of the water color medium is expanded. Class problems include experimentation of a variety of techniques and stylistic approaches. Individual interpretation and expression are encouraged. Note: A material/lab fee may be required for this course. Lecture 2 hours/Studio 2 hours. **Prerequisite:** ART 164 or equivalent. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU, UC, USC. (*Water Media Family*)

166 FIGURE PAINTING

3.0 Units

ART 166 is an intermediate studio art course that focuses on painting the human figure from life. Students will combine their knowledge of life drawing and painting to complete a series of figure paintings. Class time will include material demonstrations of techniques in painting, lectures focused on classical and contemporary approaches to the human body, and studio practice from live models. This course will also emphasize color mixing as it relates to figuration and will address advanced topics in composition and aesthetics. Note: A material/lab fee may be required for this course. Lecture 2 hours/Studio 2 hours. **Prerequisite:** ART 152 or equivalent. **Recommended Preparation:** ART 160. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU, UC. (*Oil Media Family*)

170 INTRODUCTION TO PRINTMAKING

3.0 Units

ART 170 is an introduction to diverse printmaking processes, relief printing (linoleum cut, woodcut), intaglio (drypoint, etching, and aquatint) and stencil-based processes (screenprint), and experimental processes. This course also addresses conceptual elements and historical aspects of printmaking. Technical and expressive qualities of the various media are explored. Note: A material/lab fee may be required for this course. Lecture 2 hours/Studio 2 hours. **Prerequisite:** ART 130 or 150 or equivalent. Course Typically Offered: Spring. **Transfer Credit:** CSU, UC, USC. (*Print Making Family*)

171 INTERMEDIATE PRINTMAKING

3.0 Units

ART 171 is an intermediate study of diverse printmaking processes, relief printing (linoleum cut, woodcut), intaglio (drypoint, etching, and aquatint) and stencil-based processes (screenprint), and experimental processes. This course also addresses conceptual elements and historical aspects of printmaking. Students will also consider intermediate topics in printmaking, registration, color separation, and series printing. Note: A material/lab fee may be required for this course. Lecture 2 hours/Studio 2 hours. **Prerequisite:** ART 170. Course Typically Offered: Spring. **Transfer Credit:** CSU, UC, USC. (*Print Making Family*)

174 SCREEN PRINTING FUNDAMENTALS

3.0 Units

ART 174 is an introduction to water-based screen printing. The course includes an introduction to the use of screen printing for fine art and commercial purposes, a survey of equipment and processes, instruction in various methods of stencil preparation and an investigation of printing with a variety of contemporary methods. Students can expect lectures, demonstrations and independent work time. The course concludes with student completion of at least one multiple screen poster print. Lecture 2.5 hours/Laboratory 1.5 hours. **Recommended Preparation:** ART 130 or equivalent. **Transfer Credit:** CSU, UC

175 INTERMEDIATE SCREEN PRINTING

3.0 Units

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. Lecture 2.5 hours/Laboratory 1.5 hours. **Prerequisite:** ART 174. **Transfer Credit:** CSU, UC

179 PORTFOLIO PRESENTATION FOR STUDIO ARTISTS

3.0 Units

ART 179 is an intermediate studio art course that assists students with preparation of a professional quality fine-art portfolio for use in transfer, exhibition, or employment. Students will refine and develop a coherent body of artwork that reflects their technical skill, creativity, and style. Students will also learn to write artist statements and artist resumes, document their work in photographic and digital form, and sharpen their presentation skills. Note: A material/lab fee may be required for this course. Lecture 2.5 hours/Laboratory 1.5 hours. **Prerequisite:** ART 130 or equivalent. **Recommended Preparation:** ART 152. **Transfer Credit:** CSU, UC. (*Special Projects Family*)

180 SCULPTURE FUNDAMENTALS

3.0 Units

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. Note: A material/lab fee may be required for this course. Lecture 2 hours/Studio 2 hours. *Prerequisite:* ART 130 or equivalent. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU, UC, USC. (*Sculpture Family*)

181 INTERMEDIATE SCULPTURE

3.0 Units

ART 181 allows the student to continue explorations into the sculptural discipline. A series of sculptural problems, including modeling the complete figure in clay, building three-dimensional forms with plaster and wire armature, carving in hard stone such as alabaster, carving in wood, construction and assemblage, and mixed media are studied in depth. Emphasis is on mastery of technique, further development of aesthetic and conceptual consideration, and self-motivation. The instructor works with each student on an individual basis to provide technical and conceptual assistance. Note: A material/lab fee may be required for this course. Lecture 2 hours/Studio 2 hours. *Prerequisite:* ART 180 or equivalent. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU, UC, USC. (*Sculpture Family*)

186 CERAMICS I

3.0 Units

ART 186 is an introductory study in the field of ceramics. Students learn various forming techniques, with an emphasis on the production of functional pottery forms, surface design techniques, and glaze application methods. Students are introduced to clay and glaze composition as well as basic kiln design. Lecture 2.5 hours/Laboratory 1.5 hours. *Prerequisite:* None. Course Typically Offered: Winter/Spring/Summer/Fall. *Transfer Credit:* CSU, UC, USC. (*Ceramics Family*)

187 CERAMICS II

3.0 Units

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. Note: A material/lab fee may be required for this course. Lecture 2.5 hours/Laboratory 1.5 hours. *Prerequisite:* ART 186 or equivalent. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU, UC, USC. (*Ceramics Family*)

188 ADVANCED CERAMICS I

3.0 Units

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. Note: A material/lab fee may be required for this course. Lecture 2.5 hours/Laboratory 1.5 hours. *Prerequisite:* ART 187 or equivalent. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU, UC, USC. (*Ceramics Family*)

189 ADVANCED CERAMICS II

3.0 Units

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. Note: A material/lab fee may be required for this course. Lecture 2.5 hours/Laboratory 1.5 hours. *Prerequisite:* ART 188 or equivalent. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU, UC, USC. (*Ceramics Family*)

190 CERAMIC HANDBUILDING

3.0 Units

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. Note: A material/lab fee may be required for this course. Lecture 2.5 hours/Laboratory 1.5 hours. *Prerequisite:* None. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU, UC, USC. (*Ceramics Hand Building Family*)

191 ADVANCED CERAMIC HANDBUILDING

3.0 Units

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. Note: A material/lab fee may be required for this course. Lecture 2.5 hours/Laboratory 1.5 hours. *Prerequisite:* ART 190 or equivalent. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU, UC, USC. (*Ceramics Hand Building Family*)

192 EARTHENWARE

3.0 Units

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 (lusters, China paints, and decals). Note: A material/lab fee may be required for this course. Lecture 2.5 hours/Laboratory 1.5 hours. *Prerequisite:* ART 186 or 190 or equivalent. *Recommended Preparation:* ART 130. *Transfer Credit:* CSU, UC, USC. (*Ceramics Hand Building Family*)

193**RAKU****3.0 Units**

ART 193 is an introductory course in ceramics dealing exclusively with the raku firing process. Projects are drawn from a variety of forming methods including coil, slab, pinch and wheel, which will be fired by the Japanese raku process. Students prepare Raku clays and glazes to use in the execution of their projects. Note: A material/lab fee may be required for this course. Lecture 2 hours/ Studio 2 hours. *Prerequisite:* ART 186 or 190 or equivalent. *Recommended Preparation:* ART 130. Course Typically Offered: Fall. *Transfer Credit:* CSU, UC, USC

194**ADVANCED RAKU****3.0 Units**

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. Note: A material/lab fee may be required for this course. Lecture 2.5 hours/ Laboratory 1.5 hours. *Prerequisite:* ART 193 or equivalent. *Transfer Credit:* CSU, UC, USC

195**GLAZE CALCULATION****3.0 Units**

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. Lecture 2.5 hours/Laboratory 1.5 hours. *Prerequisite:* None. *Transfer Credit:* CSU

196**ADVANCED EARTHENWARE****3.0 Units**

ART 196 is an advanced course in ceramics, dealing specifically with earthenware, or low-fired ceramics. Students experiment with earthenware clay bodies, glazes, underglazes, and slips. Students propose an individual research project to study a specific earthenware technique in depth. Students may choose to focus on glaze formulation and testing, underglazing, majolica (in-glaze painting), or overglazing (lusters, China paints, and decals). Students learn technique specific loading and firing techniques for the electric kiln. Oxidation firing effects will be explored. Note: A material/lab fee may be required for this course. Lecture 2 hours/ Studio 2 hours. *Prerequisite:* ART 192 or equivalent. *Transfer Credit:* CSU, UC, USC

201**DRAWING FOR ANIMATION****3.0 Units**

ART 201 introduces students to drawing technique for animation. Developing a foundational ability to draw from the imagination is the primary goal of this course. Students analyze and learn to create human/animal figures and environments for characters. Laboratory exercises focus on gesture, attitude, structure, weight, anatomy, and perspective, drapery, and lighting. Industry standard software (ToonBoom, Photoshop) will be used in the course. Lecture 2 hours/ Studio 2 hours. *Prerequisite:* None. Course Typically Offered: Fall. *Transfer Credit:* CSU, UC

205**FUNDAMENTALS OF 2-D KEYFRAME ANIMATION****3.0 Units**

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. Lecture 2 hours/Studio 2 hours. *Prerequisite:* None. *Transfer Credit:* CSU, UC

209**INTRODUCTION TO 2-D CHARACTER DESIGN****3.0 Units**

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. Lecture 2 hours/ Studio 2 hours. *Prerequisite:* None. *Transfer Credit:* CSU, UC

210**INTRODUCTION TO ANIMATION STORYBOARD****3.0 Units**

ART 210 prepares students to analyze scripts and to represent stories visually for animation. Students explore how elements of cinematic storytelling such as composition, staging and editing are used to support and enhance story. We will discuss acting for animation and producing industry-standard storyboard using industry standard software (ToonBoom, Photoshop). Lecture 2 hours/ Studio 2 hours. *Prerequisite:* None. Course Typically Offered: Spring. *Transfer Credit:* CSU, UC

220**INTRODUCTION TO MOTION GRAPHICS****3.0 Units**

ART 220 provides students with introductory instruction in motion graphics, compositing, visual effects, and animation techniques using Adobe After Effects. Students learn to use digitally scanned photography or artwork, vector based content, video, and audio to create animated sequences. The course includes fundamental aesthetic concepts in creating motion graphics, including composition, color, motion, and timing. Students are also introduced to basic technical concepts, such as aspect ratio, output type, and compression/decompression. Lecture 2 hours/Studio 2 hours. *Recommended Preparation:* PHOTO 160 or equivalent. Course Typically Offered: Fall/ Spring. *Transfer Credit:* CSU, UC

221 ADVANCED MOTION GRAPHICS 3.0 Units

ART 221 provides students with advanced instruction in motion graphics and compositing techniques using Adobe After Effects. Students learn to create broadcast-quality motion graphic animations. Building on the skills learned in ART 220, students in this course will realize their designs with a high degree of fidelity to their original design concepts. Lecture 2 hours/Studio 2 hours. *Prerequisite:* ART 220 or equivalent. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU, UC

231 INTRODUCTION TO 3-D HARD SURFACE DESIGN 3.0 Units

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. Lecture 2 hours/Studio 2 hours. *Prerequisite:* None. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU

232 INTERMEDIATE 3-D HARD SURFACE DESIGN 3.0 Units

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. Lecture 2 hours/Studio 2 hours. *Prerequisite:* ART 231 or equivalent. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU

233 3-D DIGITAL CHARACTER SET-UP/ KINEMATICS 3.0 Units

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). Lecture 2 hours/Studio 2 hours. *Recommended Preparation:* ART 150 or equivalent. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU

234 ADVANCED 3-D DIGITAL CHARACTER SET-UP 3.0 Units

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). Lecture 2 hours/Studio 2 hours. *Prerequisite:* ART 233 or equivalent. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU

235 3-D CHARACTER ANIMATION 3.0 Units

ART 235 provides students with three dimensional (3-D) character animation training. Students will learn animation controls to pose a character in time using keyframes and breakdowns and animating to an audio/dialog track. Note: Current industry standard digital animation software (Maya) will be used. Lecture 2 hours/Studio 2 hours. *Prerequisite:* None. Course Typically Offered: Fall. *Transfer Credit:* CSU

245 3-D DIGITAL CHARACTER DESIGN I 3.0 Units

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. Lecture 2 hours/Studio 2 hours. *Prerequisite:* None. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU

246 3-D DIGITAL CHARACTER DESIGN II 3.0 Units

ART 246 provides students with advanced instruction in digital character design using ZBrush, building on skills acquired in ART 245. At the end of the course, students will sculpt and texture a highly realistic digital character. The course is project-based and runs as a traditional art studio course, with the instructor guiding students through the stages of character creation. Note: Current industry standard digital animation software (ZBrush) will be used. Lecture 2 hours/Studio 2 hours. *Prerequisite:* ART 245 or equivalent. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU

250 GRAPHIC DESIGN: INTERFACE FUNDAMENTALS 3.0 Units

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. Lecture 2 hours/Laboratory 3 hours. *Recommended Preparation:* ART 130 and PHOTO 160. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU, UC

251 GRAPHIC DESIGN: INTERFACE DESIGN 3.0 Units

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. Lecture 2 hours/Laboratory 3 hours. *Prerequisite:* ART 250 or equivalent (ART 250 can be taken concurrently). Course Typically Offered: Fall. *Transfer Credit:* CSU, UC

255 GRAPHIC DESIGN: MOTION INTERFACE DESIGN 3.0 Units

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. Lecture 2 hours/Laboratory 3 hours. *Prerequisite:* ART 250 or equivalent (ART 250 can be taken concurrently). Course Typically Offered: Spring. *Transfer Credit:* CSU, UC

270 3D GAME LEVEL DESIGN I 4.0 Units

ART 270 introduces students to the tools and concepts used to create levels for games and simulations using a level design editor. Students will apply basic principles of game design, including the design of rules, a core game mechanic, victory, and loss conditions using industry-standard game development toolsets and software. Lecture 4 hours. **Prerequisite:** None. Course Typically Offered: Fall. **Transfer Credit:** CSU

271 3D GAME LEVEL DESIGN II 4.0 Units

ART 271 covers advanced subjects in 3D Game Level Design, such as material construction, volumes, physics objects, particle systems, and the game environment animation system. Students will be encouraged to incorporate externally generated content into the game environment. Current industry standard game development software will be used. Lecture/Demonstration 4 hours. **Prerequisite:** ART 270 or equivalent. Course Typically Offered: Fall. **Transfer Credit:** CSU

280 CURRENT TECHNIQUES AND TRENDS IN STUDIO ARTS 3.0 Units

ART 280 is an intermediate studio art course that considers alternative technical and practical methods in drawing, painting, print-making, and mixed-media art. The course will examine trends in the studio techniques, fabrication processes, and presentation methods of currently exhibiting fine artists. The course will encourage students to apply these non-traditional methods to the ways they conceive, plan, execute and exhibit their own work. Lecture 2 hours/Studio 2 hours. **Prerequisite:** ART 130 or equivalent. **Recommended Preparation:** ART 150, and 152 or 160. **Transfer Credit:** CSU, UC. (*Special Projects Family*)

285 SCULPTURE LAB 1.0 Unit

NON-DEGREE APPLICABLE

ART 285 enables sculpture students to have additional supervised studio time, and to increase their laboratory skills relative to concurrent enrollment in sculpture classes. Laboratory 3 hours. **Corequisite:** Enrollment in one of the following: ART 138 or 180 or 181. Course Typically Offered: Fall/Spring.

288 THREE-DIMENSIONAL DESIGN LAB 1.0 Unit

NON-DEGREE APPLICABLE

ART 288 enables 3-D design students to have additional supervised studio time, and to increase their laboratory skills relative to concurrent enrollment in 3-D design classes. Note: This course is Pass/No Pass only. Laboratory 3 hours. **Corequisite:** ART 138. Course Typically Offered: Fall/Spring.

ART HISTORY

Art History courses were previously listed in with the Art courses and now can be found in the Art History (ARTH) department in the catalog.

101 ART HISTORY: PREHISTORIC- GOTHIC 3.0 Units

ARTH 101 is a survey of architecture, painting, sculpture, and related art forms created by early western cultures and civilizations. Students will learn about the visual arts of prehistoric times, Mesopotamia, ancient Egypt, Greece, and Rome and the development of Christian art from its origins through the medieval era. Emphasis is placed on integrating the development of art forms with the geographic, social, political, philosophical, and religious characteristics of these cultures. Lecture 3 hours. **Recommended Preparation:** ENGL C1000, ENGL C1000E, or ENGL C1000H, or equivalent. Course Typically Offered: Winter/Spring/Summer/Fall. **Transfer Credit:** CSU, UC, USC. (C-ID ARTH 110)

101H HONORS ART HISTORY: PREHISTORIC-GOTHIC 3.0 Units

ARTH 101H is a survey of architecture, painting, sculpture, and related art forms created by early western cultures and civilizations. Students will learn about the visual arts of prehistoric times, Mesopotamia, ancient Egypt, Greece, and Rome and the development of Christian art from its origins through the medieval era. Emphasis is placed on integrating the development of art forms with the geographic, social, political, philosophical, and religious characteristics of these cultures. The honors course will be enhanced in one or more of the following ways: 1. Students will take essay exams that require analysis of artworks in terms of style, subject matter, and social and historical context; 2. Students will read assignments prior to class sessions in order to use class time more productively for further analysis and discussion of specific examples; 3. Students will read and prepare a written analysis of one or more journal articles from scholarly art historical publications; 4. Students will visit a local art museum and write an analysis of a work of art. This analysis must include a discussion of the subject matter and style of the artwork selected as well as a discussion of how it reflects the time in which the object was created; 5. Students will be required to write a traditional 5-10 page term paper on a topic relevant to the content of the course. This paper must be correctly cited and referenced. Lecture 3 hours. **Recommended Preparation:** ENGL C1000, ENGL C1000E, or ENGL C1000H, or equivalent. **Transfer Credit:** CSU, UC, USC. (C-ID ARTH 110)

102 ART HISTORY: RENAISSANCE- MODERN 3.0 Units

ARTH 102 is a survey of western architecture, painting, and sculpture from the Renaissance to modern times. Students will learn about the visual arts of the Renaissance, Baroque, and modern periods in Europe and the United States. Emphasis is placed on integrating the development of art forms with the geographic, social, political, philosophical, and religious characteristics of these cultures. Lecture 3 hours. **Recommended Preparation:** ENGL C1000, ENGL C1000E, or ENGL C1000H, or equivalent. Course Typically Offered: Winter/Spring/Summer/Fall. **Transfer Credit:** CSU, UC, USC. (C-ID ARTH 120)

**102H
HONORS ART HISTORY:
RENAISSANCE-MODERN**
3.0 Units

ARTH 102H is a survey of western architecture, painting, and sculpture from the Renaissance to modern times. The visual arts of the Renaissance, Baroque, and modern periods in Europe and the United States are discussed. Emphasis is placed on integrating the development of art forms with the geographic, social, political, philosophical, and religious characteristics of these cultures. The honors course will be enhanced in one or more of the following ways: 1. Students will take essay exams that require analysis of artworks; 2. Students may read and analyze journal articles from scholarly art historical publications. 3. Students may be required to write a 5-10 page paper on a topic relevant to the content of the course. This paper must be correctly cited and referenced. 4. Students will visit a local art museum and write an analysis on a work of art. Lecture 3 hours. *Recommended Preparation:* ENGL C1000, ENGL C1000E, or ENGL C1000H, or equivalent. *Transfer Credit:* CSU, UC, USC. (C-ID ARTH 120)

**103
ANCIENT ART**
3.0 Units

ARTH 103 is a survey of the architecture, painting and sculpture from their origins in prehistoric time through their development in ancient Egypt and Mesopotamia. The impact of these works on today's art is also considered. Lecture 3 hours. *Recommended Preparation:* ART 101 or ARTH 101. *Transfer Credit:* CSU, UC, USC

**104
GREEK AND ROMAN ART**
3.0 Units

ARTH 104 provides an in-depth study of the architecture, painting, and sculpture of ancient Greece and Rome. Emphasis is placed on the interaction of religious ideas, economic trends, philosophy, and politics of the period and the art objects that are produced during the time period. Lecture 3 hours. *Prerequisite:* None. *Transfer Credit:* CSU, UC, USC

**105
MIEVEAL ART**
3.0 Units

ARTH 105 is a survey of the architecture, painting, and sculpture of the period between ancient Rome and the Renaissance. It introduces the student to the philosophical ideas, economic trends, and political events that produced the art of the period. Lecture 3 hours. *Recommended Preparation:* ART 101 or ARTH 101. *Transfer Credit:* CSU, UC, USC

**106
RENAISSANCE/BAROQUE ART**
3.0 Units

ARTH 106 is a survey of the art, sculpture, and architecture in the West from the early Renaissance through the Baroque periods (1300-1750). Emphasis is placed on the interaction of religious ideas, economic trends, philosophy and politics of the period and the art objects that were produced during this time period. Lecture 3 hours. *Prerequisite:* None. *Transfer Credit:* CSU, UC, USC

**107
MODERN ART**
3.0 Units

ARTH 107 is a survey of the growth of Nineteenth and Twentieth Century trends in painting, sculpture, and architecture in Europe and the United States. It explores the relationship between contemporary art and our historical and social values. Lecture 3 hours. *Recommended Preparation:* ENGL C1000, ENGL C1000E, or ENGL C1000H, or equivalent. *Transfer Credit:* CSU, UC, USC

**108
ART OF THE EASTERN WORLD**
3.0 Units

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. Lecture 3 hours. *Recommended Preparation:* ENGL C1000, ENGL C1000E, or ENGL C1000H, or equivalent. *Transfer Credit:* CSU, UC, USC. (C-ID ARTH 130)

**111
HISTORY OF WORLD CERAMICS**
3.0 Units

ARTH 111 is a survey of the most important and influential periods of pre-historic, Mediterranean, European, Middle Eastern, Pre-Columbian, and Asian ceramic art. Lecture 3 hours. *Prerequisite:* None. Course Typically Offered: Fall. *Transfer Credit:* CSU, UC, USC

**112
PRECOLUMBIAN ART OF THE
AMERICAS**
3.0 Units

ARTH 112 is a study of the arts of Pre-Columbian Mesoamerica and Andean South America. Major monuments of sculpture, architecture, ceramics, and textiles from civilizations including the Maya, Aztec, and Inca are examined in their cultural contexts. Lecture 3 hours. *Recommended Preparation:* ENGL C1000, ENGL C1000E, or ENGL C1000H, or equivalent. *Transfer Credit:* CSU, UC, USC. (C-ID ARTH 145)

**113
AMERICAN ART**
3.0 Units

ARTH 113 is a survey of art covering major artists, stylistic movements, and cultural trends within the borders of the United States from the Colonial period to WWII. Emphasis is placed on the relationship between art of the United States and European culture, as well as the indigenous influences directing the artistic tradition. The course will concentrate on integrating the development of art forms with the geographic, social, political, philosophical and religious character of the culture. Lecture 3 hours. *Prerequisite:* None. *Transfer Credit:* CSU, UC, USC

**115
SURVEY OF NON-WESTERN ART
HISTORY**
3.0 Units

ARTH 115 is a survey of the art outside the western European tradition, focusing on the major artistic traditions of Africa, Asia, Oceania, North America, and South America from ancient times up to the impact of European contact. The course will focus on the role of visual arts in non-western cultural perspectives, including models of sacred ritual, social authority, medium, and of the human form. Emphasis will be placed on recognition of major art works, their artistic traditions, and of what these reveal about the cultural norms and attitudes that produced them. Lecture 3 hours. *Prerequisite:* None. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU, UC, USC

**116
ART OF AFRICA OCEANIA AND
NORTH AMERICA**
3.0 Units

ARTH 116 is a survey of visual culture within select regions in Africa, Oceania, and indigenous North America emphasizing historical, religious, and socio-cultural contexts. The course will focus on the role of visual arts, including models of sacred ritual, social authority, medium, and of the human form. The relationship of art to its cultural perspective, including social status, gender, belief systems, the environment, and lifecycle stages, is also addressed. Lecture 3 hours. *Recommended Preparation:* ENGL C1000, ENGL C1000E, or ENGL C1000H, or equivalent. *Transfer Credit:* CSU, UC, USC. (C-ID ARTH 140)

**118
WOMEN IN VISUAL ARTS**
3.0 Units

ARTH 118 is an introduction to the history of women as artists in European and American traditions. Women's roles in non-Western cultures are also discussed as well as images of women in art. Lecture 3 hours. *Prerequisite:* None. *Transfer Credit:* CSU, UC, USC

**119
CONTEMPORARY ART**
3.0 Units

ART 119 is a survey of contemporary art from 1970 until the present. Students will explore the origins and full development of postmodern and subsequent aesthetic philosophies in the United States and Europe. The course emphasizes the emergence of non-traditional media, as well as painting and sculpture, within the social and political characteristics of the contemporary world. Lecture 3 hours. *Prerequisite:* None. *Transfer Credit:* CSU, UC, USC

**120
HISTORY OF WESTERN
ARCHITECTURE FROM
PREHISTORY TO 1300**
3.0 Units

ARTH 120 follows the historical development of western architecture from prehistory to ca. 1300. Sites, buildings, and design will be examined in the context in which they were produced. Selected periods and cultures covered include: the Ancient Near East and Egypt, Aegean and Greece, Etruscan and Roman, Early Christian and Byzantine, Islamic, Carolingian and Ottonian, Romanesque, and Gothic. Lecture 3 hours. *Prerequisite:* None. Course Typically Offered: Fall. *Transfer Credit:* CSU, UC, USC

**121
HISTORY OF ARCHITECTURE II**
3.0 Units

ARTH 121 is a survey course of architectural styles from the Renaissance to the present. Lecture 3 hours. *Prerequisite:* None. Course Typically Offered: Spring. *Transfer Credit:* CSU, UC, USC

**125
MOTION PICTURE HISTORY AND
CULTURE**
3.0 Units

ARTH 125 is an introduction to the history of cinema from the perspective of its influence on popular culture, as well as the reverse influence of historic events and cultural shifts upon the creation of cinematic art. Other topics will include the assimilation of major artistic movements within the art of cinema, and the development of film theory. Lecture 3 hours. *Prerequisite:* None. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU, UC, USC

**199
HISTORY OF PHOTOGRAPHY**
3.0 Units

ARTH 199 is a survey of international photography from its beginnings through contemporary developments in the field. Students examine photography as a medium of artistic and social communication. Lecture 3 hours. *Prerequisite:* None. Course Typically Offered: Spring. *Transfer Credit:* CSU, UC, USC

ASTRONOMY

**49
ASTRONOMY INDEPENDENT
STUDY**
1.0 to 3.0 Units

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. Laboratory 3-9 hours. *Corequisite:* Concurrent registration in 6 or more units or equivalent. *Transfer Credit:* CSU

**102
OBSERVATIONAL ASTRONOMY**
1.0 Unit

ASTRO 102 maps the sky by means of bright stars and constellations. Small telescopes are used for observing celestial objects, and indoor laboratory experiments will be performed for more complete student understanding of astronomical data analysis. Laboratory 3 hours. *Prerequisite:* ASTRO 110 or 120. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU, UC, USC

**110
ASTRONOMY OF THE SOLAR
SYSTEM**
3.0 Units

ASTRO 110 is a survey of the Sun, planets, moons, and other objects that make up the solar system with a consideration towards applying this knowledge to new findings in astronomy such as exoplanets. Topics may include the history of astronomy, the practice of modern science, solar system formation, planetary geology, planetary atmospheres, the physics of astronomy (gravity, light, conservation laws, etc.), telescopes and observational methods, exoplanets, and the search for life in the universe. Lecture 3 hours. *Recommended Preparation:* ENGL C1000, ENGL C1000E, or ENGL C1000H, or equivalent. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU, UC, USC

**120
ASTRONOMY OF STARS AND
GALAXIES**
3.0 Units

ASTRO 120 is a survey of the methods astronomers use and findings they have made in their studies of the stars and galaxies. Lecture 3 hours. *Recommended Preparation:* ENGL C1000, ENGL C1000E, or ENGL C1000H, or equivalent. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU, UC, USC

**ATHLETICS AND PHYSICAL
EDUCATION**

**100
STRENGTH AND CONDITIONING
FOR INTERCOLLEGIATE
ATHLETES**
1.5 to 2.5 Units

ATHPE 100 is designed for intercollegiate athletes. Students are provided with instruction in sport-specific training techniques with the goal of improving overall muscular strength, endurance, and power. Students learn to develop and maintain a strength and conditioning program using sport-specific drills and equipment. Note: This class is structured to provide strength and conditioning programs specific to intercollegiate athletics during participation in an intercollegiate sport. If a student has taken PE 129 prior to Fall 2017, such classes will count towards the four total enrollment limit. Lecture 1.0-1.5 hours/Laboratory 1.5-3.0 hours. *Prerequisite:* None. Note: May be taken 4 times for credit. Course Typically Offered: Winter/Spring/Summer/Fall. *Transfer Credit:* CSU, UC, USC

**101
STRENGTH AND CONDITIONING
FOR INTERCOLLEGIATE
ATHLETES**

1.5 Units

ATHPE 101 is designed for intercollegiate athletic training in short sessions. Students will be provided with instruction in sport-specific training techniques with the goal of improving overall muscular strength, endurance, and power. Students will develop and maintain a strength and conditioning program using sport-specific drills and equipment. Note: This class is structured to provide strength and conditioning programs specific to intercollegiate athletics. Note: May be taken 4 times for credit. Lecture 0.5 hours/Laboratory 3.0 hours. *Prerequisite:* None. Note: May be taken 4 times for credit. *Transfer Credit:* CSU, UC, USC

**103
INTERCOLLEGIATE BASEBALL**

2.5 Units

ATHPE 103 is an advanced course designed for students who plan to compete at the collegiate level in the sport of baseball. This course emphasizes conditioning, advanced skill, theory, tactics, strategy and intercollegiate competition. Student-athletes are required to meet the standards for the California Community College Athletic Association (CCCCA) eligibility guidelines and decorum policies. Note: ATHPE 103 is designed for intercollegiate baseball. Lecture 1.5 hours/Laboratory 3 hours. *Prerequisite:* None. Note: May be taken 4 times for credit. Course Typically Offered: Spring. *Transfer Credit:* CSU, UC, USC

**104
OFF-SEASON TRAINING FOR
BASEBALL**

1.0 to 2.5 Units

ATHPE 104 provides instruction and practice for intercollegiate baseball, focusing on fundamental techniques of competitive baseball. This course is designed to provide further advancement in fundamental skill, team strategies, effective communication, and conditioning for intercollegiate competition. Note: ATHPE 104 is off-season training for students who are interested in competing on the intercollegiate baseball team. Lecture 0.5-1.5 hours/Laboratory 1.5-3.0 hours. *Prerequisite:* None. Note: May be taken 4 times for credit. Course Typically Offered: Fall. *Transfer Credit:* CSU, UC, USC

**106
WOMEN'S INTERCOLLEGIATE
BASKETBALL**

2.5 Units

ATHPE 106 is an advanced course designed for students who plan to compete at the collegiate level in the sport of women's basketball. This course emphasizes advanced skill, theory, tactics, strategy and intercollegiate competition. Student-athletes are required to meet the standards of the California Community College Athletic Association (CCCCA) eligibility guidelines and decorum policies. Note: ATHPE 106 is designed for the intercollegiate women's basketball team. Lecture 1.5 hours/Laboratory 3 hours. *Prerequisite:* None. Note: May be taken 4 times for credit. Course Typically Offered: Fall. *Transfer Credit:* CSU, UC, USC

**107
OFF-SEASON TRAINING FOR
INTERCOLLEGIATE WOMEN'S
BASKETBALL**

1.0 to 2.5 Units

ATHPE 107 provides instruction and practice for intercollegiate women's basketball focusing on fundamental techniques of competitive women's basketball. This course is designed to provide further advancement in individual skill, team strategies, effective communication, and conditioning for intercollegiate competition. Note: ATHPE 107 is off-season training for students who are interested in competing on an intercollegiate women's basketball team. Lecture 0.5-1.5 hours/Laboratory 1.5-3.0 hours. *Prerequisite:* None. Note: May be taken 4 times for credit. *Transfer Credit:* CSU, UC, USC

**108
MEN'S INTERCOLLEGIATE
BASKETBALL**

2.5 Units

ATHPE 108 is an advanced course designed for students who plan to compete at the collegiate level in the sport of men's basketball. This course emphasizes advanced skill, theory, tactics, strategy and intercollegiate competition. Student-athletes are required to meet the standards of the California Community College Athletic Association (CCCCA) eligibility guidelines and decorum policies. Note: This class is designed for the intercollegiate men's basketball team. Lecture 1.5 hours/Laboratory 3 hours. *Prerequisite:* None. Note: May be taken 4 times for credit. Course Typically Offered: Fall. *Transfer Credit:* CSU, UC, USC

**109
OFF-SEASON TRAINING FOR
INTERCOLLEGIATE MEN'S
BASKETBALL**

1.0 to 2.5 Units

ATHPE 109 provides instruction and practice for intercollegiate men's basketball focusing on fundamental techniques of competitive men's basketball. This course is designed to provide further advancement in individual skill, team strategies, effective communication, and conditioning for intercollegiate competition. Note: This class is off-season training for students who are interested in competing on an intercollegiate men's basketball team. Lecture 0.5-1.5 hours/Laboratory 1.5-3.0 hours. *Prerequisite:* None. Note: May be taken 4 times for credit. *Transfer Credit:* CSU, UC, USC

**111
WOMEN'S INTERCOLLEGIATE
CROSS COUNTRY**

2.5 Units

ATHPE 111 is an advanced course designed for students who plan to compete at the collegiate level in the sport of women's cross country. This course emphasizes advanced skill, theory, tactics, strategy and intercollegiate competition. Student athletes are required to meet the standards of the California Community College Athletic Association (CCCCA) eligibility guidelines and decorum policies. Note: This class is designed for the intercollegiate women's cross country team. Lecture 1.5 hours/Laboratory 3 hours. *Prerequisite:* None. Note: May be taken 4 times for credit. Course Typically Offered: Fall. *Transfer Credit:* CSU, UC, USC

**112
MEN'S INTERCOLLEGIATE CROSS
COUNTRY**

2.5 Units

ATHPE 112 is an advanced course designed for students who plan to compete at the collegiate level in the sport of men's cross country. This course emphasizes advanced skill, theory, tactics, strategy and intercollegiate competition. Student athletes are required to meet the standards of the California Community College Athletic Association (CCCCA) eligibility guidelines and decorum policies. Note: This class is designed for the intercollegiate men's cross country team. Lecture 1.5 hours/Laboratory 3 hours. *Prerequisite:* None. Note: May be taken 4 times for credit. Course Typically Offered: Fall. *Transfer Credit:* CSU, UC, USC

**113
OFF-SEASON TRAINING FOR
INTERCOLLEGIATE CROSS
COUNTRY**

1.0 to 2.5 Units

ATHPE 113 provides instruction and practice for intercollegiate women's and men's cross country focusing on fundamental techniques of running. This course is designed to provide further advancement in individual skill, team strategies, effective communication, and conditioning for intercollegiate competition. Note: This class is off-season training for students who are interested in competing on an intercollegiate women's and men's cross country team. Lecture 0.5-1.5 hours/Laboratory 1.5-3.0 hours. **Prerequisite:** None. Note: May be taken 4 times for credit. Course Typically Offered: Fall. **Transfer Credit:** CSU, UC, USC

**117
INTERCOLLEGIATE FOOTBALL**

2.5 Units

ATHPE 117 is an advanced course designed for students who plan to compete at the collegiate level in the sport of football. This course emphasizes conditioning, advanced skill, theory, tactics, strategy and intercollegiate competition. Student-athletes are required to meet the standards for the California Community College Athletic Association (CCCCAA) eligibility guidelines and decorum policies. Note: This class is designed for intercollegiate football. Lecture 1.5 hours/Laboratory 3 hours. **Prerequisite:** None. Note: May be taken 4 times for credit. Course Typically Offered: Fall. **Transfer Credit:** CSU, UC, USC

**118
OFF-SEASON TRAINING FOR
INTERCOLLEGIATE FOOTBALL**

1.0 to 2.5 Units

ATHPE 118 provides instruction and practice for intercollegiate football focusing on fundamental techniques of competitive football. This course is designed to provide further advancement in fundamental skill, team strategies, effective communication, and conditioning for intercollegiate competition. Note: This class is off-season training for students who are interested in competing on the intercollegiate football team. Lecture 0.5-1.5 hours/Laboratory 1.5-3.0 hours. **Prerequisite:** None. Note: May be taken 4 times for credit. Course Typically Offered: Spring. **Transfer Credit:** CSU, UC, USC

**120
INTERCOLLEGIATE WOMEN'S
GOLF**

2.5 Units

ATHPE 120 is an advanced course designed for students who plan to compete at the collegiate level in the sport of women's golf. This course emphasizes advanced skill, theory, tactics, strategy and intercollegiate competition. Student-athletes are required to meet the standards of the California Community College Athletic Association (CCCCAA) eligibility guidelines and decorum policies. Note: ATHPE 120 is designed for the intercollegiate women's golf team. May be taken 4 times for credit. Each student-athlete must provide their own golf clubs. Lecture 1.5 hours/Laboratory 3 hours. **Prerequisite:** None. Note: May be taken 4 times for credit. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU, UC, USC

**121
OFF-SEASON TRAINING FOR
INTERCOLLEGIATE WOMEN'S
GOLF**

1.0 to 2.5 Units

ATHPE 121 provides instruction and practice for intercollegiate women's golf, focusing on fundamental techniques of competitive women's golf. This course is designed to provide further advancement in individual skill, team strategies, effective communication, and conditioning for intercollegiate competition. Note: ATHPE 121 is off-season training for students who are interested in competing on an intercollegiate women's golf team. May be taken 4 times for credit. Each student-athlete must provide their own golf clubs. Lecture 0.5-1.5 hours/Laboratory 1.5-3.0 hours. **Prerequisite:** None. Note: May be taken 4 times for credit. **Transfer Credit:** CSU, UC, USC

**122
INTERCOLLEGIATE MEN'S GOLF**

2.5 Units

ATHPE 122 is an advanced course designed for students who plan to compete at the collegiate level in the sport of men's golf. This course emphasizes advanced skill, theory, tactics, strategy and intercollegiate competition. Student-athletes are required to meet the standards of the California Community College Athletic Association (CCCCAA) eligibility guidelines and decorum policies. Note: ATHPE 122 is designed for the intercollegiate men's golf team. May be taken 4 times for credit. Each student-athlete must provide their own golf clubs. Lecture 1.5 hours/Laboratory 3 hours. **Prerequisite:** None. Note: May be taken 4 times for credit. **Transfer Credit:** CSU, UC, USC

**123
OFF-SEASON TRAINING FOR
INTERCOLLEGIATE MEN'S GOLF**

1.0 to 2.5 Units

ATHPE 123 provides instruction and practice for intercollegiate men's golf focusing on fundamental techniques of competitive men's golf. This course is designed to provide further advancement in individual skill, team strategies, effective communication, and conditioning for intercollegiate competition. Note: ATHPE 123 is off-season training for students who are interested in competing on an intercollegiate men's golf team. May be taken 4 times for credit. Each student-athlete must provide their own golf clubs. Lecture 0.5-1.5 hours/Laboratory 1.5-3.0 hours. **Prerequisite:** None. Note: May be taken 4 times for credit. **Transfer Credit:** CSU, UC, USC

**125
WOMEN'S INTERCOLLEGIATE
SOCCER**

2.5 Units

ATHPE 125 is an advanced course designed for students who plan to compete at the collegiate level in the sport of women's soccer. This course emphasizes advanced skill, theory, tactics, strategy and intercollegiate competition. Student-athletes are required to meet the standards of the California Community College Athletic Association (CCCCAA) eligibility guidelines and decorum policies. Student-athletes will need to be familiar with both the Federation International Football Association (FIFA) and the National Collegiate Athletic Association (NCAA). Note: This class is designed for the intercollegiate women's soccer team. Lecture/Demonstration 1.5/Laboratory 3 hours. **Prerequisite:** None. Note: May be taken 4 times for credit. Course Typically Offered: Fall. **Transfer Credit:** CSU, UC, USC

**126
OFF-SEASON TRAINING FOR
INTERCOLLEGIATE WOMEN'S
SOCCER**

1.0 to 2.5 Units

ATHPE 126 provides instruction and practice for intercollegiate women's soccer focusing on fundamental techniques of competitive soccer. This course is designed to provide further advancement in individual skill, team strategies, effective communication, and conditioning for intercollegiate competition. Note: This class is off-season training for students who are interested in competing on an intercollegiate women's soccer team. Lecture 0.5-1.5 hours/Laboratory 1.5-3.0 hours. **Prerequisite:** None. Note: May be taken 4 times for credit. **Transfer Credit:** CSU, UC, USC

127
MEN'S INTERCOLLEGIATE
SOCCER
 2.5 Units

ATHPE 127 is an advanced course designed for students who plan to compete at the collegiate level in the sport of men's soccer. This course emphasizes advanced skill, theory, tactics, strategy and intercollegiate competition. Student-athletes are required to meet the standards of the California Community College Athletic Association (CCCCAA) eligibility guidelines and decorum policies. Student-athletes will need to be familiar with both the Federation International Football Association (FIFA) and the National Collegiate Athletic Association (NCAA). Note: This class is designed for the intercollegiate men's soccer team. Lecture/Demonstration 1.5/Laboratory 3 hours. *Prerequisite:* None. Note: May be taken 4 times for credit. *Transfer Credit:* CSU, UC, USC

128
OFF-SEASON TRAINING FOR
INTERCOLLEGIATE MEN'S
SOCCER
 1.0 to 2.5 Units

ATHPE 128 provides instruction and practice for intercollegiate men's soccer focusing on fundamental techniques of competitive soccer. This course is designed to provide further advancement in individual skill, team strategies, effective communication, and conditioning for intercollegiate competition. Note: This class is off-season training for students who are interested in competing on an intercollegiate men's soccer team. Lecture 0.5-1.5 hours/Laboratory 1.5-3.0 hours. *Prerequisite:* None. Note: May be taken 4 times for credit. Course Typically Offered: Spring. *Transfer Credit:* CSU, UC, USC

130
INTERCOLLEGIATE SOFTBALL
 2.5 Units

ATHPE 130 is an advanced course designed for students who plan to compete at the collegiate level in the sport of softball. This course emphasizes conditioning, advanced skill, theory, tactics, strategy and intercollegiate competition. Student-athletes are required to meet the standards for the California Community College Athletic Association (CCCCAA) eligibility guidelines and decorum policies. Note: This class is designed for intercollegiate softball. Lecture 1.5 hours/Laboratory 3 hours. *Prerequisite:* None. Note: May be taken 4 times for credit. Course Typically Offered: Spring. *Transfer Credit:* CSU, UC, USC

131
OFF-SEASON TRAINING FOR
INTERCOLLEGIATE SOFTBALL
 1.0 to 2.5 Units

ATHPE 131 provides instruction and practice for intercollegiate softball focusing on fundamental techniques of competitive softball. This course is designed to provide further advancement in fundamental skill, team strategies, effective communication, and conditioning for intercollegiate competition. Note: This class is off-season training for students who are interested in competing on the intercollegiate softball team. Lecture 0.5-1.5 hours/Laboratory 1.5-3.0 hours. *Prerequisite:* None. Note: May be taken 4 times for credit. Course Typically Offered: Fall. *Transfer Credit:* CSU, UC, USC

133
INTERCOLLEGIATE WOMEN'S
TENNIS
 2.5 Units

ATHPE 133 is an advanced course designed for students who plan to compete at the collegiate level in the sport of women's tennis. This course emphasizes advanced skill, theory, tactics, strategy and intercollegiate competition. Student-athletes are required to meet the standards of the California Community College Athletic Association (CCCCAA) eligibility guidelines and decorum policies. Note: ATHPE 133 is designed for the intercollegiate women's tennis team. May be taken 4 times for credit. Each student-athlete must provide their own tennis rackets. Lecture 1.5 hours/Laboratory 3 hours. *Prerequisite:* None. Note: May be taken 4 times for credit. Course Typically Offered: Spring. *Transfer Credit:* CSU, UC, USC

134
OFF-SEASON TRAINING FOR
INTERCOLLEGIATE WOMEN'S
TENNIS
 1.0 to 2.5 Units

ATHPE 134 provides instruction and practice for intercollegiate women's tennis focusing on fundamental techniques of competitive women's tennis. This course is designed to provide further advancement in individual skill, team strategies, effective communication, and conditioning for intercollegiate competition. Note: ATHPE 134 is off-season training for students who are interested in competing on an intercollegiate women's tennis team. Each student-athlete must provide their own tennis rackets. Lecture 0.5-1.5 hours/Laboratory 1.5-3.0 hours. *Prerequisite:* None. Note: May be taken 4 times for credit. *Transfer Credit:* CSU, UC, USC

135
INTERCOLLEGIATE MEN'S TENNIS
 2.5 Units

ATHPE 135 is an advanced course designed for students who plan to compete at the collegiate level in the sport of men's tennis. This course emphasizes advanced skill, theory, tactics, strategy and intercollegiate competition. Student-athletes are required to meet the standards of the California Community College Athletic Association (CCCCAA) eligibility guidelines and decorum policies. Note: ATHPE 135 is designed for the intercollegiate men's tennis team. May be taken 4 times for credit. Each student-athlete must provide their own tennis rackets. Lecture 1.5 hours/Laboratory 3 hours. *Prerequisite:* None. Note: May be taken 4 times for credit. Course Typically Offered: Spring. *Transfer Credit:* CSU, UC, USC

136
OFF-SEASON TRAINING FOR
INTERCOLLEGIATE MEN'S TENNIS
 1.0 to 2.5 Units

ATHPE 136 provides instruction and practice for intercollegiate men's tennis focusing on fundamental techniques of competitive men's tennis. This course is designed to provide further advancement in individual skill, team strategies, effective communication, and conditioning for intercollegiate competition. Note: ATHPE 136 is off-season training for students who are interested in competing on an intercollegiate men's tennis team. Each student-athlete must provide their own tennis rackets. Lecture 0.5-1.5 hours/Laboratory 1.5-3.0 hours. *Prerequisite:* None. Note: May be taken 4 times for credit. *Transfer Credit:* CSU, UC, USC

138
WOMEN'S INTERCOLLEGIATE
TRACK AND FIELD
 2.5 Units

ATHPE 138 is an advanced course designed for students who plan to compete at the collegiate level in the sport of women's track and field. This course emphasizes advanced skill, theory, tactics, strategy and intercollegiate competition. Student athletes are required to meet the standards of the California Community College Athletic Association (CCCCAA) eligibility guidelines and decorum policies. Note: This class is designed for the intercollegiate women's track and field team. Lecture 1.5 hours/Laboratory 3 hours. *Prerequisite:* None. Note: May be taken 4 times for credit. Course Typically Offered: Spring. *Transfer Credit:* CSU, UC, USC

139
MEN'S INTERCOLLEGIATE TRACK AND FIELD
 2.5 Units

ATHPE 139 is an advanced course designed for students who plan to compete at the collegiate level in the sport of men's track and field. This course emphasizes advanced skill, theory, tactics, strategy and intercollegiate competition. Student athletes are required to meet the standards of the California Community College Athletic Association (CCCCAA) eligibility guidelines and decorum policies. Note: This class is designed for the intercollegiate men's track and field team. Lecture 1.5 hours/Laboratory 3 hours. *Prerequisite:* None. Note: May be taken 4 times for credit. Course Typically Offered: Spring. *Transfer Credit:* CSU, UC, USC

140
OFF-SEASON TRAINING FOR INTERCOLLEGIATE TRACK AND FIELD
 1.0 to 2.5 Units

ATHPE 140 provides instruction and practice for intercollegiate women's and men's track and field focusing on fundamental techniques of running and field events. This course is designed to provide further advancement in individual skill, team strategies effective communication, and conditioning for intercollegiate competition. Note: This class is off-season training for students who are interested in competing on an intercollegiate women's and men's track and field team. Lecture 0.5-1.5 hours/Laboratory 1.5-3.0 hours. *Prerequisite:* None. Note: May be taken 4 times for credit. Course Typically Offered: Fall. *Transfer Credit:* CSU, UC, USC

143
WOMEN'S INTERCOLLEGIATE VOLLEYBALL
 2.5 Units

ATHPE 143 is an advanced course designed for students who plan to compete at the collegiate level in the sport of women's volleyball. This course emphasizes advanced skill, theory, tactics, strategy and intercollegiate competition. Student-athletes are required to meet the standards of the California Community College Athletic Association (CCCCAA) eligibility guidelines and decorum policies. Note: This class is designed for the intercollegiate volleyball team. Lecture/Demonstration 1.5/Laboratory 3 hours. *Prerequisite:* None. Note: May be taken 4 times for credit. Course Typically Offered: Fall. *Transfer Credit:* CSU, UC, USC

144
OFF-SEASON TRAINING FOR INTERCOLLEGIATE VOLLEYBALL
 1.0 to 2.5 Units

ATHPE 144 provides instruction and practice for intercollegiate volleyball focusing on fundamental techniques of competitive volleyball. This course is designed to provide further advancement in individual skill, team strategies, effective communication, and conditioning for intercollegiate competition. Note: This class is off-season training for students who are interested in competing on an intercollegiate volleyball team. Lecture 0.5-1.5 hours/Laboratory 1.5-3.0 hours. *Prerequisite:* None. Note: May be taken 4 times for credit. Course Typically Offered: Spring. *Transfer Credit:* CSU, UC, USC

145
WOMEN'S INTERCOLLEGIATE BEACH VOLLEYBALL
 2.5 Units

ATHPE 145 is an advanced course designed for students who plan to compete at the collegiate level in the sport of women's beach volleyball. This course emphasizes advanced skill, theory, tactics, strategy and intercollegiate competition. Student-athletes are required to meet the standards of the California Community College Athletic Association (CCCCAA) eligibility guidelines and decorum policies. Note: ATHPE 145 is designed for the intercollegiate beach volleyball team. Note: May be taken 4 times for credit. Lecture 1.5 hours/Laboratory 3 hours. *Prerequisite:* None. Note: May be taken 4 times for credit. *Transfer Credit:* CSU, UC, USC

150
BASEBALL CONDITIONING
 1.5 Units

ATHPE 150 is designed for the student-athlete and is intended to provide focused strength and conditioning exercises with an emphasis on safety, injury prevention, rules, and game plays for baseball. Note: This class is designed for the intercollegiate baseball team. A combination of ATHPE 150 and/or ATHPE 102 can be taken for up to 4 times for credit. Laboratory 4.5 hours. *Prerequisite:* None. Note: May be taken 4 times for credit. Course Typically Offered: Spring. *Transfer Credit:* CSU, UC, USC

151
WOMEN'S BASKETBALL CONDITIONING
 1.5 Units

ATHPE 151 is designed for the student-athlete interested in conditioning for intercollegiate women's basketball. The course is intended to provide strength and conditioning exercises with an emphasis on safety, injury prevention, rules, and game plays for women's basketball. Note: ATHPE 151 is designed for the intercollegiate women's basketball team. Laboratory 4.5 hours. *Prerequisite:* None. Note: May be taken 4 times for credit. *Transfer Credit:* CSU, UC, USC

152
MEN'S BASKETBALL CONDITIONING
 1.5 Units

ATHPE 152 is designed for the student-athlete interested in conditioning for intercollegiate men's basketball. The course is intended to provide strength and conditioning exercises with an emphasis on safety, injury prevention, rules, and game plays for men's basketball. Note: ATHPE 152 is designed for the intercollegiate men's basketball team. Laboratory 4.5 hours. *Prerequisite:* None. Note: May be taken 4 times for credit. *Transfer Credit:* CSU, UC, USC

153
CROSS-COUNTRY CONDITIONING
 1.5 Units

ATHPE 153 is designed for the student-athlete and is intended to provide focused strength and conditioning exercises with an emphasis on safety, injury prevention, rules, and strategies for cross-country. Note: ATHPE 153 is designed for the cross-country team. Laboratory 4.5 hours. *Prerequisite:* None. Note: May be taken 4 times for credit. *Transfer Credit:* CSU, UC, USC

155
FOOTBALL CONDITIONING
 1.5 Units

ATHPE 155 is designed for the student-athlete interested in conditioning for intercollegiate football. The course is intended to provide strength and conditioning exercises with an emphasis on safety, injury prevention, rules, and game plays for football. Note: ATHPE 155 is designed for the intercollegiate football team. A combination of ATHPE 155 and/or ATHPE 116 classes will count towards the four total enrollment limit. Laboratory 4.5 hours. *Prerequisite:* None. Note: May be taken 4 times for credit. *Transfer Credit:* CSU, UC, USC

**158
WOMEN'S SOCCER
CONDITIONING**

1.5 Units

ATHPE 158 is designed for the student-athlete and is intended to provide focused strength and conditioning exercises with an emphasis on safety, injury prevention, rules, and game plays for soccer. Note: ATHPE 158 is designed for the intercollegiate women's soccer team. Laboratory 4.5 hours. *Prerequisite:* None. Note: May be taken 4 times for credit. *Transfer Credit:* CSU, UC, USC

**159
MEN'S SOCCER CONDITIONING**

1.5 Units

ATHPE 159 is designed for the student-athlete and is intended to provide focused strength and conditioning exercises with an emphasis on safety, injury prevention, rules, and game plays for soccer. Note: ATHPE 159 is designed for the intercollegiate men's soccer team. Laboratory 4.5 hours. *Prerequisite:* None. Note: May be taken 4 times for credit. *Transfer Credit:* CSU, UC, USC

**160
SOFTBALL CONDITIONING**

1.5 Units

ATHPE 160 is designed for the student-athlete and is intended to provide focused strength and conditioning exercises with an emphasis on safety, injury prevention, rules, and game plays for softball. Note: ATHPE 160 is designed for the intercollegiate softball team. Laboratory 4.5 hours. *Prerequisite:* None. Note: May be taken 4 times for credit. *Transfer Credit:* CSU, UC, USC

**161
WOMEN'S TENNIS CONDITIONING**

1.5 Units

ATHPE 161 is designed for the student-athlete and is intended to provide focused strength and conditioning exercises with an emphasis on safety, injury prevention, rules, and game plays for women's tennis. Note: ATHPE 161 is designed for the intercollegiate women's tennis team. Laboratory 4.5 hours. *Prerequisite:* None. Note: May be taken 4 times for credit. *Transfer Credit:* CSU, UC, USC

**162
MEN'S TENNIS CONDITIONING**

1.5 Units

ATHPE 162 is designed for the student-athlete and is intended to provide focused strength and conditioning exercises with an emphasis on safety, injury prevention, rules, and game plays for men's tennis. Note: ATHPE 162 is designed for the intercollegiate men's tennis team. Laboratory 4.5 hours. *Prerequisite:* None. Note: May be taken 4 times for credit. *Transfer Credit:* CSU, UC, USC

**163
TRACK AND FIELD CONDITIONING**

1.5 Units

ATHPE 163 is designed for the student-athlete and is intended to provide focused strength and conditioning exercises with an emphasis on safety, injury prevention, rules, and strategies for track and field. Note: ATHPE 163 is designed for the intercollegiate track and field team. Laboratory 4.5 hours. *Prerequisite:* None. Note: May be taken 4 times for credit. *Transfer Credit:* CSU, UC, USC

**165
VOLLEYBALL CONDITIONING**

1.5 Units

ATHPE 165 is designed for the student-athlete and is intended to provide focused strength and conditioning exercises with an emphasis on safety, injury prevention, rules, and game plays for volleyball. Note: ATHPE 165 is designed for the intercollegiate women's volleyball team. Laboratory 4.5 hours. *Prerequisite:* None. Note: May be taken 4 times for credit. *Transfer Credit:* CSU, UC, USC

**170
LACROSSE**

2.5 Units

ATHPE 170 is an advanced course designed for students who plan to compete at the collegiate level in the sport of lacrosse. This course emphasizes advanced skill, theory, tactics, strategy and intercollegiate competition. Student-athletes are required to meet the standards of the California Community College Athletic Association (CCCCAA) eligibility guidelines and decorum policies and/or those of the Men's or Women's Collegiate Lacrosse Association (MCLA or WCLA). Lecture 1.5 hours/Laboratory 3 hours. *Prerequisite:* None. Note: May be taken 4 times for credit. *Transfer Credit:* CSU, UC, USC

**180
ESPORTS**

1.5 to 2.5 Units

ATHPE 180 is an advanced course designed for students who plan to compete at the collegiate level in esports. This course emphasizes advanced skill, theory, tactics, communication, strategy and intercollegiate competition. Student-athletes are required to meet the standards of the California Community College Athletic Association (CCCCAA) eligibility guidelines and decorum policies and/or those of the National Esports Association (NEA). Note: ATHPE 180 is designed for the intercollegiate esports team. This course does not meet Physical Education graduation requirements. Lecture 1.0-1.5 hours/Laboratory 1.5-3.0 hours. *Prerequisite:* None. Note: May be taken 4 times for credit. *Transfer Credit:* CSU, UC

**AVIATION &
TRANSPORTATION**

49

**AVIATION AND TRANSPORTATION
INDEPENDENT STUDY**

1.0 to 3.0 Units

AT 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, Aviation and Transportation 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, AT. 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. Laboratory 3-9 hours. *Prerequisite or Corequisite:* Enrollment in appropriate discipline-specific theory or lab course at GCC. *Recommended Preparation:* ENGL C1000 or ESL 151. *Transfer Credit:* CSU

50

**AVIATION AND TRANSPORTATION
INTERNSHIP**

1.0 to 3.0 Units

AT 50 is a discipline-specific course, which allows students to earn from 1-3 units for a structured, supervised internship either on-campus or off-campus under the supervision of a faculty advisor. It is designed to provide students with appropriate preparation and a hands-on work experience in one of the following fields: airport operations, airline operations, fixed base operator operations, airport security, airport emergency services and airport ancillary services. The purpose of this class is to enhance students, knowledge, skill levels, and professional competency in their targeted career. This course is recommended for the self-motivated student, and requires faculty advisor approval to register. Note: This course is Pass/No Pass only. Laboratory 3-9 hours. *Prerequisite or Corequisite:* Enrollment in appropriate discipline-specific theory or lab course at GCC. *Recommended Preparation:* ENGL 100 or ESL 141. *Transfer Credit:* CSU

112 PRIVATE PILOT LABORATORY I

2.0 Units

AT 112 is a flight training laboratory course intended to begin the student's preparation for the Federal Aviation Administration Private Pilot Certificate Oral and Practical Tests. Topics covered include: Preflight inspection, weather briefings, starting procedures and use of checklists, taxi procedures, normal and cross wind takeoffs and landings, slips, four fundamentals of aircraft control, emergency procedures, traffic patterns, ground reference maneuvers, stalls, and radio communications. Note: A material/lab fee may be required for this course. Laboratory 6 hours. *Prerequisite:* AT 120 or equivalent. *Transfer Credit:* CSU

113 PRIVATE PILOT LABORATORY II

3.0 Units

AT 113 is a flight training laboratory course intended to complete the student's preparation for the Federal Aviation Administration Private Pilot Certificate Oral and Practical Tests. Topics covered include: night flying techniques, short and soft field takeoffs and landings, navigation, emergency procedures, power on/off stalls, s-turns across a road, turns around a point, and instrument flight procedures. Note: A material/lab fee may be required for this course. Laboratory 9 hours. *Prerequisite:* AT 112 or equivalent. *Transfer Credit:* CSU

114 INSTRUMENT FLIGHT LAB

4.0 Units

AT 114 is a flight training lab course instructing students to operate an airplane by reference to instruments. Topics include: basic and advanced attitude instrument flying, recovery from unusual attitudes, holding patterns, Instrument Flight Rules (IFR) en-route procedures, IFR cross-country planning, departure and arrival procedures, and precision and non-precision approach procedures. Note: Recommendation - Possession of a FAA Private Pilot Certificate-Single Engine Land, have recent flight experience per FAR 61.57, logged 50 hours of Pilot-in-Command Cross Country flight time per FAR 61.65, and have passed the FAA Instrument Rating Knowledge Test within the past 12 months. Note: A material/lab fee may be required for this course. Lecture 2 hours/Laboratory 6 hours. *Prerequisite:* AT 125 or equivalent. *Transfer Credit:* CSU

115 COMMERCIAL FLIGHT TRAINING

4.0 Units

AT 115 is a flight training lab course preparing the student for the Federal Aviation Administration Commercial Pilot Practical Examination. Topics addressed include: operation of complex and high-performance aircraft including the use of constant-speed propellers and retractable landing gear, maximum performance takeoffs and landings, steep turns, chandelles, lazy eights, and eights on pylons. Students will log fifteen hours of complex aircraft time. Note: A material/lab fee may be required for this course. Lecture 2 hours/Laboratory 6 hours. *Prerequisite:* AT 114 or possession of FAA Private Pilot License (airplane, single-engine land) with instrument rating, minimum of 200 hours of total flight time, and proof of satisfactory completion of the FAA Commercial Pilot Knowledge Examination. *Transfer Credit:* CSU

119 PRIVATE PILOT AIRPLANE PRACTICAL TEST PREPARATION

2.0 Units

NON-DEGREE APPLICABLE

AT 119 is a ground training course designed for the student who is receiving flight training toward the private pilot certificate (license) with an airplane single engine land rating. Students will study in more depth the concepts presented during ground and flight training and learn how to apply them in real-world situations. The course includes oral practice answering scenario-based questions to prepare the student for the oral portion of the FAA practical test for the private pilot airplane certificate. Lecture 2 hours. *Recommended Preparation:* AT 120 or equivalent.

120 PRIVATE PILOT GROUND SCHOOL

5.0 Units

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. Lecture 5 hours. *Recommended Preparation:* ENGL C1000 or ESL 151, or equivalent. *Transfer Credit:* CSU

121 NAVIGATION

3.0 Units

AT 121 introduces the student to the aspect of dead-reckoning and pilotage navigation using the aeronautical chart. Composite navigation and vector analysis using the flight computer familiarizes the student with the practical features of navigation. Lecture 3 hours. *Recommended Preparation:* AT 120 or equivalent. *Transfer Credit:* CSU

122 METEOROLOGY

3.0 Units

AT 122 presents the basic principles of meteorology with emphasis placed on the physical laws that operate in the atmosphere, particularly as they affect aircraft flight. Weather maps, reports, and forecasts and their interpretation are stressed. Lecture 3 hours. *Recommended Preparation:* AT 120 or equivalent. *Transfer Credit:* CSU

123 AIRCRAFT STRUCTURE AND AERODYNAMICS

3.0 Units

AT 123 provides the pilot with the necessary understanding of the aerodynamics of the aircraft and of the construction techniques and processes involved in the building of aircraft. This course meets the requirements for commercial pilots in the study of aircraft. Lecture 3 hours. *Recommended Preparation:* AT 120 or equivalent. *Transfer Credit:* CSU

124 RADIO PROCEDURES AND FLIGHT REGULATIONS

3.0 Units

AT 124 is designed to provide current and prospective pilots with the necessary knowledge of radio communication requirements and procedures to operate safely in the national airspace system. Also covered are sections of the Federal Aviation Regulations that pertain to pilot certification, aircraft maintenance, general operating rules, air traffic control procedures and reporting of aircraft accidents. Lecture 3 hours. *Recommended Preparation:* AT 120 or equivalent. *Transfer Credit:* CSU

**125
INSTRUMENT RATING GROUND
SCHOOL**

3.0 Units

AT 125 introduces the student to the use of radio navigation, weather briefing, advanced navigation, standard instrument approaches, procedures and Federal Aviation Regulations pertaining to instrument flight. Students are prepared for the Federal Aviation Administration Instrument Pilot Written Examination. Lecture 3 hours. *Recommended Preparation:* AT 120 or possession of a private pilot's certificate. *Transfer Credit:* CSU

**128
AIRPORT OPERATIONS**

3.0 Units

AT 128 is an analytical lecture course which acquaints the student with practical airport administration problems that exist today. Completion of this course enables the student to perform and function effectively in any of the many diversified airport operations. Course coverage includes airport development, site selection, local advertising, financial considerations and benefits to the community. Aviation safety within the confines of the airport and airport maintenance are addressed. Students will become familiar with the Federal Aviation Administration and Federal Air Regulations governing airports as well as the National Transportation Safety Board. Lecture 3 hours. *Recommended Preparation:* AT 120 or AT 130. *Transfer Credit:* CSU

**129
FLIGHT ATTENDANT I**

3.0 Units

AT 129 prepares students for the highly competitive flight attendant positions and travel careers in the airlines and travel industry. Lecture 3 hours. *Prerequisite:* None.

**130
AIR TRANSPORTATION**

3.0 Units

AT 130 introduces the student to the development of air transportation, problems in commercial air transportation, commercial aircraft, organization and functions of the airlines, regulations, airline routes in the United States and the pilot qualifications, schedules and services, revenue sources and potential operating overhead. The importance of airports, airways, advertising, and public relations is stressed. Lecture 3 hours. *Prerequisite:* None. *Transfer Credit:* CSU

**132
FLIGHT ATTENDANT II**

3.0 Units

AT 132 provides students with broad exposure to global aviation development. There is an emphasis on cultural diversity within the airline industry throughout the world. This class focuses on international airline operations and travel. It explores the differences between domestic and international airlines. Lecture 3 hours. *Prerequisite:* AT 129 or equivalent.

**136
HUMAN FACTORS IN AVIATION**

3.0 Units

AT 136 is designed to acquaint current and prospective pilots and flight crew with an overview of human factors and aviation psychology. The influence of psychological and physiological factors on aviation safety, and on the aviation professional's personal and occupational life, is examined. Topics include human error; attention, cognition and perception; communications; risk management; aeronautical decision making (ADM); multicultural and diversity factors; CRM (Crew Resource Management group dynamics); attitudes and persuasion; motivation and leadership; aircraft accident analysis; training (learning & regression); conformity and boredom; flight physiology; stress and fatigue; displays and flight deck design; automation; and applications in space technology. Lecture 3 hours. *Prerequisite:* None. *Transfer Credit:* CSU

**137
AIRLINE TRAVEL CAREERS**

3.0 Units

AT 137 is designed for students pursuing careers in airline travel. The course presents the current industry hiring qualifications and requirements for entry level industry employees. Lecture 3 hours. *Prerequisite:* None.

**138
INTRODUCTION FLIGHT
ATTENDANT TRAINING**

3.0 Units

AT 138 introduces students to the Federal Aviation Regulations (FARs) that ensure the safety and comfort of passengers and crewmembers. Students learn to explain all FARs to passengers and identify strategies for reducing potential emergencies. Lecture 3 hours. *Recommended Preparation:* ENGL 100 or ESL 141, or equivalent.

**139
TECHNICALLY ADVANCED
AIRCRAFT**

3.0 Units

AT 139 introduces the student pilot to advanced avionics systems incorporated into an aircraft's cockpit. This course prepares the pilot to operate Global Positioning System (GPS) navigation systems as well as the latest integrated flight systems known as glass cockpits. It covers the variety of information provided by these advanced navigation and communication systems as well as proper procedures in the event of their failure. Lecture 3 hours. *Recommended Preparation:* AT 120 or possession of a private pilot's certificate. *Transfer Credit:* CSU

**152
INTRODUCTION TO UNMANNED
AERIAL VEHICLES**

3.0 Units

AT 152 is an introductory course to understanding the functions, characteristics, regulations, and applications of unmanned aerial systems and vehicles. The course includes detailed coverage of unmanned aerial systems and their uses in military, commercial, civil, and public settings. 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. Lecture 3 hours. *Recommended Preparation:* ENGL 100 or ESL 141, or equivalent.

**153
INTRODUCTION TO UNMANNED
AERIAL SYSTEMS**

3.0 Units

AT 153 is an introductory course to understanding the functions, characteristics, regulations, and applications of unmanned aerial systems and vehicles. The course includes a detailed discussion of unmanned aerial systems and their uses in military, commercial, civil, and public settings. Lecture 3 hours. *Recommended Preparation:* AT 152 and ENGL 100 or ESL 141, or equivalent.

BIOLOGY**48
BIOLOGY INTERNATIONAL FIELD STUDIES****1.0 to 3.0 Units**

BIOL 48 provides college credit for travel and study in foreign countries at the student's own expense in programs provided by agencies approved in advance by the College and under the direction of Glendale Community College faculty. Note: This course may be taken 4 times for a maximum of 12 units. Each repetition must be in a different country and/or region, and/or have a different focus/theme. Lecture 1-3 hours. **Prerequisite:** Concurrent registration in 6 or more units. **Transfer Credit:** CSU

**49
BIOLOGY INDEPENDENT STUDY****1.0 to 3.0 Units**

BIOL 49 provides motivated students with an opportunity to explore a subject in greater depth, to familiarize them with some basic research techniques, to interest them in possible career areas, and to take advantage of special academic interests. Emphasis is on individual research projects, library research, and preparation of research papers, and/or presentations. There is no prescribed course content. This course includes research project development, approved by the sponsoring instructor and appropriate division chairperson, and a submission and/or presentation of the finished project. Note: Registration is open to any student at GCC who has successfully completed at least one college-level course in biology, and/or is admitted to Independent Study by the faculty advisor. A student is limited to one Independent Study per semester or intersession, no more than 12 units credit toward the AA Degree or Certificate, and no more than 6 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. Laboratory 3-9 hours. **Prerequisite:** successful completion of a college-level biology course, and/or permission of the instructor. **Recommended Preparation:** LIB 100. **Transfer Credit:** CSU

**50
INTERNSHIP IN BIOLOGICAL SCIENCES****1.0 to 4.0 Units**

BIOL 50 is a discipline-specific course that allows students to earn from 1-4 units for a structured, monitored off-campus internship under the supervision of a faculty advisor. Internship locations may include: natural history museums, zoos and aquariums, biotechnology companies, and research laboratories and field stations at four-year universities. It is designed to provide students with appropriate preparation and work experience in one or more of the following fields within the biological sciences: natural history museum studies, zoo and aquarium science, biotechnology, microbiology, cell and molecular biology, evolutionary theory, anatomy and physiology, conservation biology, and ecology. The purpose of this class is to enhance the students' understanding, skills acquisitions and professional competencies for their target career paths within the biological sciences. Students must work 60 non-paid hours or 75 paid hours per unit earned. Note: Internships are arranged by faculty in the Biology Division. This course may be taken 2 times; a maximum of 4 units may be earned. Note: This course is Pass/No Pass only. Laboratory 3-12 hours. **Prerequisite:** Completion of a Biology course at GCC with a grade of C or better. **Recommended Preparation:** ENGL C1000 and LIB 100. **Transfer Credit:** CSU

**101
GENERAL BIOLOGY I****4.0 Units**

BIOL 101 is the first half of a one-year course designed for biological science majors. It covers fundamental biological principles and processes including: the scientific method, biochemistry, metabolism, cell respiration, photosynthesis, molecular biology, cell structure and function, mitosis and meiosis, Mendelian genetics, molecular genetics, and gene regulation. Note: A material/lab fee may be required for this course. Lecture 3 hours/Laboratory 3 hours. **Prerequisite:** CHEM 101. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU, UC, USC. (C-ID BIOL 190)

**102
GENERAL BIOLOGY II****5.0 Units**

BIOL 102 provides a continuation of the study of fundamental biological processes introduced in Biology 101. The course includes the anatomy and physiology of plants and animals, animal development, population genetics, evolutionary theory, origin of life, ecological principles, conservation biology, and systematics. The course also includes an extensive survey of biodiversity covering the evolution, anatomy and physiology of the major prokaryotic and eukaryotic phyla. Note: A material/lab fee may be required for this course. Lecture 3 hours/Laboratory 6 hours. **Prerequisite:** BIOL 101. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU, UC, USC. (C-ID BIOL 140)

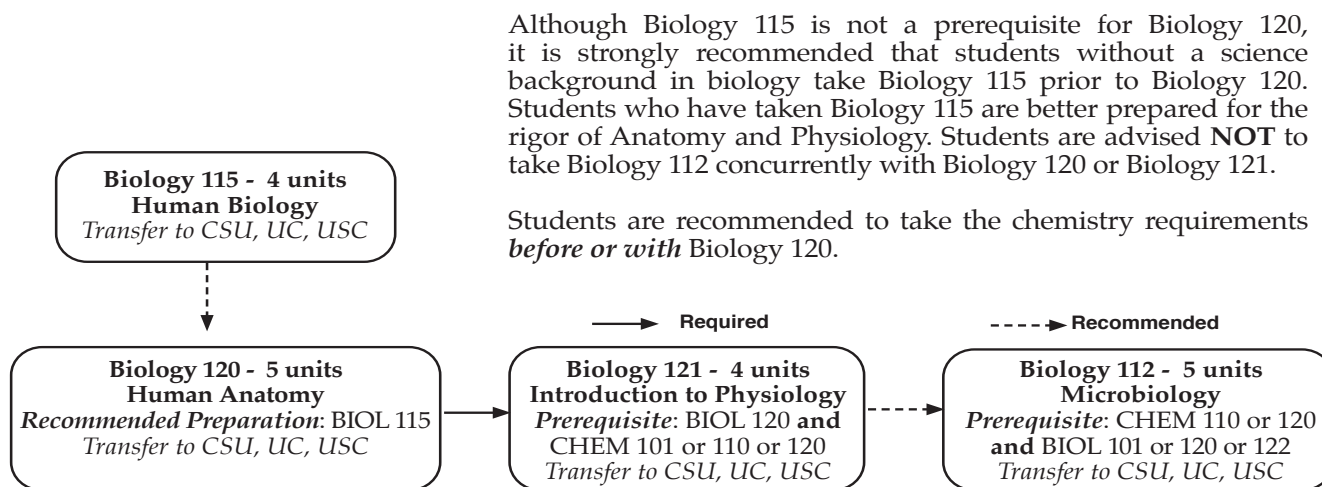
**112
MICROBIOLOGY****5.0 Units**

BIOL 112 is a study of microorganisms (algae, bacteria, fungi, protozoa, and viruses). The course includes microbial biochemistry, genetics, cellular activities, applied uses, and the pathogenicity of these microorganisms. In the laboratory, students utilize various staining procedures and biochemical tests to identify at least one unknown microorganism. Note: A material/lab fee may be required for this course. Lecture 3 hours/Laboratory 6 hours. **Prerequisite:** CHEM 110 or CHEM 120 or equivalent and BIOL 101 or 120 or 122 or equivalent. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU, UC, USC

**115
HUMAN BIOLOGY****4.0 Units**

BIOL 115 is an introductory course covering biological principles as they apply to the human body. The central theme is the structure and function of the human organism. Topics covered include the scientific method and the characteristics of life, homeostasis and the human internal environment, basic body directional terminology, and the organization and functions of the human body including cells, tissues, the major body systems, heredity and aging, and selected major human conditions and diseases. A weekly laboratory allows students the opportunity to gain practical experience in the techniques necessary to study the health sciences. Note: A material/lab fee may be required for this course. Lecture 3 hours/Laboratory 3 hours. **Recommended Preparation:** ENGL 100 or ESL 151. Course Typically Offered: Winter/Spring/Summer/Fall. **Transfer Credit:** CSU, UC, USC

RECOMMENDED BIOLOGY HEALTH SCIENCE COURSE SEQUENCE



120 HUMAN ANATOMY 5.0 Units

BIOL 120 covers the systems of the human body including microscopic and gross anatomy of the following systems: integumentary, skeletal, muscular, nervous, circulatory, respiratory, lymphatic and immune, digestive, urinary, male and female reproductive, and endocrine. The effects of disease and aging on these systems are also included in the course. The laboratory includes the study of tissues using the microscope, a study of bones of the human skeleton, and the use of models to illustrate respective systems of the human body. Dissections of a sheep brain, cow heart, and cow eye are made to illustrate comparative parts of human anatomy. Observations are also made of a human cadaver. This course is primarily intended for nursing, kinesiology, and other health related majors. Note: A material/lab fee may be required for this course. Lecture 3 hours/Laboratory 6 hours. **Recommended Preparation:** BIOL 115 is strongly recommended for students with a limited background in the biological sciences. Course Typically Offered: Winter/Spring/Summer/Fall. **Transfer Credit:** CSU, UC, USC. (C-ID BIOL 110B)

121 INTRODUCTION TO PHYSIOLOGY 4.0 Units

BIOL 121 covers the functions, homeostasis, and integration of the organ systems of the human body. The organ systems studied include: integumentary, nervous, sensory, bone, muscle, endocrine, blood, lymphatic, and immune, cardiovascular, respiratory, urinary, digestive, and reproductive systems. Laboratory activities include using the scientific method to predict experimental outcomes, acquire data, analyze it and draw conclusions, and apply concepts learned in both lecture and the laboratory to clinical pathophysiological scenarios. This course is primarily intended for Nursing, Kinesiology, and other health related majors. Note: A material/lab fee may be required for this course. Lecture 3 hours/Laboratory 3 hours. **Prerequisite:** BIOL 120 and one of the following: CHEM 101, CHEM 110, or CHEM 120. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU, UC, USC. (C-ID BIOL 120B)

122 INTRODUCTION TO BIOLOGY 4.0 Units

BIOL 122 is a survey course in the biological sciences designed to meet the laboratory science or life science requirement for most general education programs. Biology 122 covers the scientific method, molecular and cellular organization and function, genetics, and plant/animal anatomy and physiology. This course also covers evolution, a survey of biodiversity, ecology, and the impact of humans on the environment. Note: A material/lab fee may be required for this course. Lecture 3 hours/Laboratory 3 hours. **Recommended Preparation:** ENGL 100 or ESL 151, or equivalent. Course Typically Offered: Winter/Spring/Summer/Fall. **Transfer Credit:** CSU, UC, USC

123 EVOLUTION 3.0 Units

BIOL 123 examines the history of life on earth, and the mechanisms that have led to the diversity we see today. Topics to be covered include a brief history of evolutionary thought, adaptive vs. neutral evolution (natural selection and genetic drift), biogeography, the origin of life, population genetics and speciation, an exploration of the fossil record and modern systematics, and recent work in the fields of sexual selection, behavior, development, and human evolution. Lecture 3 hours. **Recommended Preparation:** ENGL 100 or ESL 151. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU, UC, USC

123H
HONORS EVOLUTION
3.0 Units

BIOL 123H examines the history of life on earth, and the mechanisms that have led to the diversity we see today. Topics to be covered include a brief history of evolutionary thought, adaptive vs. neutral evolution (natural selection and genetic drift), biogeography, the origin of life, population genetics and speciation, an exploration of the fossil record and modern systematics, and recent work in the fields of sexual selection, behavior, development, and human evolution. The Honors course will be enhanced in one or more of the following ways: students will complete a research paper and/or presentation on a topic in evolutionary biology not covered in lecture, and/or essay questions on exams based on supplemental readings. Lecture 3 hours. **Recommended Preparation:** ENGL 100 or ESL 151. **Transfer Credit:** CSU, UC, USC

124
CONSERVATION BIOLOGY
3.0 Units

BIOL 124 introduces students to the value of biological diversity and the impact of human activity on species and ecosystems. We will explore the major threats to biodiversity (habitat destruction and fragmentation, pollution and climate change, overharvesting and the spread of invasive species). We will identify practical approaches designed to address biodiversity loss and ecosystem degradation, including urban conservation issues. We will also evaluate the United Nations Convention on Biological Diversity and Ecosystem Restoration goals in the context of sustainable development, while respecting the rights of indigenous people and local communities. Lecture 3 hours. **Recommended Preparation:** ENGL C1000 or ESL 151, or equivalent. **Transfer Credit:** CSU, UC

125
MARINE BIOLOGY
3.0 Units

BIOL 125 is a general survey of the ecosystems and biodiversity of life in the marine environment. The course includes a brief introduction to the sciences of geological, chemical and physical oceanography as the basis to understand the environment where marine organisms have evolved. A comparative approach is used to study the anatomy, physiology, and evolution of the major groups of marine organisms. This course compares the ecology of the following marine ecosystems: epipelagic, deep sea, hydrothermal vents, intertidal, estuaries, coral reefs, and polar. Aspects of evolutionary, cell, and molecular theory are addressed throughout the course. The impact of humans on the marine environment is analyzed by studying historical and current problems regarding pollution and fisheries. Lecture 3 hours. **Recommended Preparation:** ENGL C1000 or ESL 151, or equivalent. Course Typically Offered: Winter/Spring/Summer/Fall. **Transfer Credit:** CSU, UC, USC

125H
HONORS MARINE BIOLOGY
3.0 Units

BIOL 125H is a general survey of the ecosystems and biodiversity of life in the marine environment. The course includes a brief introduction to the sciences of geological, chemical and physical oceanography as the basis to understand the environment where marine organisms have evolved. A comparative approach is used to study the anatomy, physiology, and evolution of the major groups of marine organisms. This course compares the ecology of the following marine ecosystems: epipelagic, deep sea, hydrothermal vents, intertidal, estuaries, coral reefs, and polar. Aspects of evolutionary, cell, and molecular theory are addressed throughout the course. The impact of humans on the marine environment is analyzed by studying historical and current problems regarding pollution and fisheries. The Honors course will be enhanced in one or more of the following ways: 1) Students will complete a set of selected readings from science journals or books. Critical analysis of these readings is expected and the students will be evaluated with extra questions during the regular examinations of the course. 2) Students will attend a field trip where they are expected to work in groups for the collection, analysis, and presentation of data. 3) Students will prepare a written and oral presentation on a specific topic that was not covered in lecture. Lecture 3 hours. **Recommended Preparation:** ENGL C1000 or ESL 151, or equivalent. **Transfer Credit:** CSU, UC, USC

126
FIELD AND LABORATORY
INVESTIGATIONS IN MARINE
BIOLOGY
1.0 Unit

BIOL 126 is an introductory science laboratory offering a general survey of the diversity of life in the marine environment and the ecology of some of its major ecosystems. This course covers aspects of microscopy, pH, cell respiration, photosynthesis, biodiversity, ecology, and evolution. The laboratory exercises utilize the comparative method in order to study the anatomy, physiology, and evolution of some of the major phyla of marine organisms. This course requires the participation in three or more field trips, which introduce the student to research methods, marine biodiversity, evolution, and the ecology of marine ecosystems. Field trips total a minimum of 9 hours. Note: A material/lab fee may be required for this course. Laboratory 3 hours. **Prerequisite:** BIOL 125 (BIOL 125 may be taken concurrently.) Course Typically Offered: Fall/Spring/Summer. **Transfer Credit:** CSU, UC, USC

131
REGIONAL NATURAL HISTORY
3.0 Units

BIOL 131 offers individual and group investigation of the biological environment and the impact of human activities upon it. Students examine the inter-relationship between living organisms and their habitats by special projects. Library research, a scientific paper, and/or an oral presentation may be a part of the course. Field studies will investigate a variety of world localities. When taught in Baja California, Mexico, the field portion of the course is based at the Glendale College Field Station in Bahia de los Angeles. Lecture 2 hours/Laboratory 3 hours. **Recommended Preparation:** A biology or ecology course in high school or college. **Transfer Credit:** CSU

140 INTRODUCTION TO BIOTECHNOLOGY

4.0 Units

BIOL 140 is a general introduction of biology as it relates to the field of biotechnology. Topics include the fundamental chemical processes common in prokaryotic and eukaryotic biology, chemistry of bio-molecules (proteins, enzymes, nucleic acids and lipids), cellular and molecular biology, basic immunology, and classical and molecular genetics with an emphasis on gene expression and genetic engineering. Lecture content also includes the history, business and ethics of biotechnology. The laboratory addresses basic skills and techniques common to the biotechnology industry. Laboratory topics include the measurement of activity and quantity of proteins, growth and manipulation of bacteria, genetic engineering and antibody methods. This course is intended for, but not limited to, students majoring in biotechnology and as a general education option for all students, including non-majors. Note: A material/lab fee may be required for this course. Lecture 3 hours/Laboratory 3 hours. **Recommended Preparation:** MATH 100, ENGL C1000 and CHEM 110 or CHEM 120, or equivalent. **Transfer Credit:** CSU, UC, USC. (C-ID BIOT 101BX)

141 APPLIED BIOTECHNOLOGY I WITH LABORATORY

4.0 Units

BIOL 141 prepares students for the biotechnology industry by emphasizing the core concepts practiced in a bioscience laboratory. Topics include laboratory math, basic chemistry of buffers, laboratory safety, quality control, biological molecules, gene expression, cell structure and molecular biology techniques. This course introduces students to standard biotechnology laboratory skills including laboratory measurements, preparation of media and solutions, data collection and evaluation, basic separation methods, molecular techniques, aseptic techniques and documentation. Good communication and collaborative work are emphasized. This course is intended for, but not limited to, students preparing for a career in biotechnology. Note: Student will not receive unit credit if BIOL 298 has been taken with a grade of "C" or better. A material/lab fee may be required for this course. Lecture 2 hours/Laboratory 6 hours. **Recommended Preparation:** MATH 100, ENGL C1000, BIOL 140 or BIOL 101 or BIOL 112 or BIOL 122, and CHEM 110 or CHEM 120, or equivalent. **Transfer Credit:** CSU, UC, USC. (C-ID BIOT 150X)

142 APPLIED BIOTECHNOLOGY II WITH LABORATORY

4.0 Units

BIOL 142 is the second course in the Applied Biotechnology series. It introduces advanced concepts and laboratory techniques in biotechnology. Building on the basic skills established in BIOL 141, students will learn methodology in large-scale protein production and protein purification techniques, including sample preparation. It provides hands-on training with chromatography systems and assays used in industry and research laboratories. This course also covers methods utilized for eukaryotic cell culture protein purification. Application of current Good Manufacturing Process (cGMP), Good Laboratory Practice (GLP), and Standard Operating Procedures (SOP's) in relation to these techniques will be addressed. Good communication, collaborative work and work-readiness skills are emphasized. This course is intended for, but not limited to, students preparing for a career in biotechnology. Lecture 2 hours/Laboratory 6 hours. **Prerequisite:** BIOL 141 or BIOL 298. **Recommended Preparation:** BIOL 140, BIOL 101, or BIOL 122 and CHEM 101. **Transfer Credit:** CSU, UC, USC. (C-ID BIOT 220X)

145 BIOLOGY OF BIRDS

2.0 Units

BIOL145 is an introductory survey course dealing with the identification, classification, ecology, anatomy, physiology and behavior of birds. Course study emphasizes the natural history of local birds as well as representative bird groups from around the world. Lecture 1.5 hours/Laboratory 1.5 hours. **Prerequisite:** None. **Transfer Credit:** CSU

146 MARINE MAMMALS

2.0 Units

BIOL146 is an introductory survey course covering the identification, classification, ecology, anatomy, physiology and behavior of marine mammals. Course study emphasizes the natural history and conservation of local marine mammals as well as representative groups from around the world. Lecture 1.5 hours/Laboratory 1.5 hours. **Prerequisite:** None. **Transfer Credit:** CSU

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. Note: A material/lab fee may be required for this course. Lecture 3 hours/Laboratory 6 hours. **Prerequisite:** BIOL 101,112,120, or 122 and CHEM 105 or 121. **Recommended Preparation:** ENGL C1000. **Transfer Credit:** CSU, UC

298 UNDERGRADUATE RESEARCH IN MICROBIOLOGY AND MOLECULAR BIOLOGY

4.0 Units

BIOL 298 is intended to give 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). Students learn current Good Manufacturing Process (cGMP), Good Laboratory Practice (GLP), and Standard Operating Procedures (SOP) in relation to these techniques, in preparation 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. Note: A material/lab fee may be required for this course. Lecture 1.5 hours/Laboratory 7.5 hours. **Prerequisite:** BIOL 101 or BIOL 112 or equivalent. **Recommended Preparation:** ENGL C1000 or ESL 151. **Transfer Credit:** CSU

BUSINESS ADMINISTRATION

50

BUSINESS INTERNSHIP

1.0 to 3.0 Units

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. Laboratory 3-9 hours. **Recommended Preparation:** ENGL C1000 or ESL 151, or equivalent. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU

101

INTRODUCTION TO BUSINESS

3.0 Units

BUSAD 101 introduces students to the field of business, including the functions, characteristics, organization, and challenges of business. The course serves as a foundation for later specialized study, and directs the thinking of students to possible careers. Lecture 3 hours. **Prerequisite:** None. Course Typically Offered: Winter/Spring/Summer/Fall. **Transfer Credit:** CSU, UC, USC. (C-ID BUS 110)

106

WRITTEN BUSINESS COMMUNICATIONS

3.0 Units

BUSAD 106 prepares students for technical writing and creative and critical thinking skills used in business. Students create effective business letters, information summaries, proposals, and reports, including references, research sources, and appropriate styles and formats. Students also prepare original essays responding to a review of rhetorical works in business and economics, and we explore the impact of organizational procedures and technology on business communications. Lecture 2.5 hours/Laboratory 1.5 hours. **Prerequisite:** ENGL C1000 or ESL 151. Course Typically Offered: Winter/Spring/Summer/Fall. **Transfer Credit:** CSU. (C-ID BUS 115)

110

HUMAN RELATIONS IN BUSINESS

3.0 Units

BUSAD 110 aids present and future employees in understanding and applying human relations concepts to the business environment. Topics include attitude, morale, motivation, communication, business etiquette, productivity, ethics, customer service, diversity, conflict resolution, and leadership. Lecture 3 hours. **Recommended Preparation:** ENGL C1000E or ESL 141. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU

111

INTRODUCTION TO INSURANCE

1.0 Unit

BUSAD 111 gives students a basic background of the modern property/casualty insurance system. It is designed as a basic overview of insurance for those who have little or no knowledge of insurance but who wish to enter the field of insurance. Lecture 1 hour. **Prerequisite:** None. Course Typically Offered: Fall (Every Other Year). **Transfer Credit:** CSU

112

APPLIED WORKPLACE ETHICS

1.0 Unit

BUSAD 112 covers contemporary and controversial ethical issues facing the business world today. Students discuss real-world scenarios and situations to develop their own ethical decision-making framework for the responsibilities and obligations that relate to the insurance world. Lecture 1 hour. **Prerequisite:** None. Course Typically Offered: Spring (Every Other Year). **Transfer Credit:** CSU

113

PRINCIPLES OF PROPERTY AND LIABILITY INSURANCE

3.0 Units

BUSAD 113 presents basic information regarding property and liability insurance for use in employment in entry-level and higher positions in the insurance field. The course covers insurance fundamentals, including the types of insurers, institutions that provide insurance, how it is regulated, and measurement of financial performance. Students also prepare for the state board licensing process. Lecture 3 hours. **Prerequisite:** None. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU

114

PERSONAL INSURANCE

3.0 Units

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. Lecture 3 hours. **Prerequisite:** None. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU

115

COMMERCIAL INSURANCE

3.0 Units

BUSAD 115 is intended to help individuals learn basic information regarding commercial insurance for use in employment as insurance professionals in entry-level and higher positions. The course includes information on property insurance, business income insurance, commercial crime insurance, equipment breakdown insurance, inland and ocean marine insurance, commercial general liability insurance, commercial automobile insurance, and other types of commercial insurance coverage. Lecture 3 hours. **Prerequisite:** None. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU

116

PRINCIPLES OF LIFE AND HEALTH INSURANCE

3.0 Units

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. Lecture 3 hours. **Prerequisite:** None. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU

120 BUSINESS LAW I

3.0 Units

BUSAD 120 is the study of law as it influences business conduct, including the evolution of legal theories and business law. Students will discuss Constitutional Law and obtain a practical understanding of court procedures, alternative dispute resolution [ADR] activity, and juror conduct. Students will be able to recognize, use, and define legal terminology. Students will learn the elements of contract law and how to form, enforce and terminate contracts. Students will learn and apply the principles of agency and third-party contract rights. Students will gain an understanding of the difference between torts, crimes, contracts and the respective standards of proof in each. Lecture 3 hours. *Prerequisite:* None. Course Typically Offered: Winter/Spring/Summer/Fall. *Transfer Credit:* CSU, UC, USC. (C-ID BUS 125)

131 INTRODUCTION TO FINANCE

3.0 Units

BUSAD 131 introduces the student to the many financial decisions faced by a modern business, along with the analytical tools and concepts necessary for an evaluation of these decisions. The material is applicable to large corporations, small businesses and nonprofit organizations. Note: One year of accounting experience is recommended. Lecture 3 hours. *Prerequisite:* None. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU, UC

134 INVESTMENTS

3.0 Units

BUSAD 134 is designed to develop the student's understanding of the various public investments available, their potential risks and rewards, and the situations in which they are best utilized. Topics include investment principles and objectives, the operation of securities markets, investment banking, and asset selection and allocation. Lecture 3 hours. *Prerequisite:* None. Course Typically Offered: Spring (Every Other Year). *Transfer Credit:* CSU, UC

135 MONEY AND BANKING

3.0 Units

BUSAD 135 is a course designed to help students secure employment with investment banking houses, commercial banks, finance companies, stock and commodity exchanges, and securities dealers. It is a study of the American monetary system and American financial institutions. The course allows students to obtain a critical understanding of the Federal Reserve structure, monetary and fiscal policy, and the commercial banking process. Lecture 3 hours. *Prerequisite:* None. Course Typically Offered: Spring (Every Other Year). *Transfer Credit:* CSU

136 MONEY MANAGEMENT

3.0 Units

BUSAD 136 covers the basic principles of efficient money management. Students explore the fundamentals of financial planning and the control of current financial actions to reach future financial goals, including such topics as providing for major investments, retirement and pension planning, the tax environment, and the effect of new laws and regulations. Lecture 3 hours. *Prerequisite:* None. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU, UC

141 INTRODUCTION TO MANAGEMENT

3.0 Units

BUSAD 141 introduces the student to managerial functions within an organization, including planning and decision-making, organizing, staffing, directing, leading, and controlling functions. These functions apply to managers at all levels, from small business to top executive management. Lecture 3 hours. *Prerequisite:* None. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU

144 HUMAN RESOURCES I

3.0 Units

BUSAD 144 introduces students to the functions and roles of human resources (HR) management and how to apply what they learn to current trends and issues in the organization. Topics include: recruitment and selection, compensation, employment law, employee/labor relations and risk management. This course will help prepare students for Professional Human Resources (PHR) and Senior Professional Human Resources (SPHR) certifications. Lecture 3 hours. *Prerequisite:* None. Course Typically Offered: Spring (Every Other Year). *Transfer Credit:* CSU

145 HUMAN RESOURCES II

3.0 Units

BUSAD 145 teaches how human resources (HR) management impacts the organization. Emphasis is placed on integrating human resources and organizational strategies. This course helps to prepare students for Professional Human Resources (PHR) and Senior Professional Human Resources (SPHR) certifications. Lecture 3 hours. *Prerequisite:* BUSAD 144 or equivalent. *Transfer Credit:* CSU

152 MANAGEMENT COMMUNICATIONS-ORAL

3.0 Units

BUSAD 152 covers planning interpersonal communication, speaking techniques, conducting question-and-answer periods, job interviews, effective meetings, objectives of good informal and formal presentations, use and misuse of visuals in oral presentations, active listening and nonverbal communication. Lecture 3 hours. *Prerequisite:* None. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU

158 RUN YOUR OWN BUSINESS

3.0 Units

BUSAD 158 covers the process of planning, organizing, and managing a small business. Topics include developing a business plan, forming and marketing a small business, legal aspects of business ownership, accounting, budgeting, financing, and risk management. The skills taught in this course help individuals start new ventures as well as aid existing business owners to plan their growth. Note: this course may not be taken for credit by student who have completed ENTRE 103. Lecture 3 hours. *Recommended Preparation:* BUSAD 101. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU

162 PRINCIPLES OF MARKETING

3.0 Units

BUSAD 162 introduces students to the business practices involved in the activities of moving goods and services from the producer to the consumer. The course reviews the marketing system and the psychology and sociology of consumer decisions. Additional areas of interest include retailing, wholesaling, new product decisions, pricing, distribution, advertising, and marketing research. Lecture 3 hours. *Prerequisite:* None. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU

163
SOCIAL MEDIA MARKETING I
3.0 Units

BUSAD 163 orients students to the field of digital marketing by introducing the components, characteristics, metrics, goals, platforms, and history of social media in survey form. The course serves as a foundation for later specialized study, and directs the thinking of students to possible entrepreneurial ventures or careers in social media marketing. Lecture 3 hours. *Prerequisite:* None. *Transfer Credit:* CSU

165
SOCIAL MEDIA MARKETING II
3.0 Units

BUSAD 165 explores social media platforms such as Facebook, X (formerly known as Twitter), Instagram, Threads, LinkedIn, YouTube, TikTok, Yelp, and Pinterest. Students will learn how these channels can be optimized most effectively for professional objectives such as creating and analyzing a successful targeted advertising campaign. We will use various analytics programs, including Facebook Insights and Google Analytics to determine the level of social media campaign success. The course serves as a foundation for later specialized study and introduces students to possible entrepreneurial ventures or careers in social media marketing. Lecture 3 hours. *Recommended Preparation:* BUSAD 163 or equivalent. *Transfer Credit:* CSU

166
ADVERTISING
3.0 Units

BUSAD 166 introduces the purpose and principles of advertising, including the organization and functions of advertising agencies. We explore [consumer] buying motives and how to craft and write effective messages. We also review print, radio, television, social media and outdoor advertising methods and costs. While artistic ability is not the focus, students with illustrative skills have the opportunity to apply them in their copywriting assignments. Lecture 3 hours. *Prerequisite:* None. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU

169
PROFESSIONAL SELLING
FUNDAMENTALS
3.0 Units

BUSAD 169 covers the principles, techniques, and challenges of one-on-one selling of ideas, products, and services in today's domestic and international markets. Students' active participation provides practical experience through guided role-playing using techniques for success as a sales professional. Psychological and social aspects of buyer motivation are studied, as well as critical thinking, elements of presentation, and ethics as they relate to developing sales skills. Lecture 3 hours. *Recommended Preparation:* CABOT 265 and CABOT 280 or equivalent.

170
INTRODUCTION TO
INTERNATIONAL BUSINESS
3.0 Units

BUSAD 170 introduces basic issues in international business. These include deciding on a business organization for foreign operations, establishing banking relationships, raising capital, currency exchange and marketing in a foreign environment with particular emphasis on Pacific Rim, Western European and South American markets. This course also covers import/export regulations and locating manufacturing opportunities abroad. Lecture 3 hours. *Prerequisite:* None. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU

178
INTRODUCTION TO
INTERNATIONAL FINANCE
3.0 Units

BUSAD 178 is a study of international business financing and development, including the roles of different types of lenders, domestic and foreign government assistance programs, various methods of payment, identifying and managing risk in the international financial arena, and tax considerations. Lecture/Demonstration 3 hours. *Recommended Preparation:* BUSAD 101 and 170 or equivalent. *Transfer Credit:* CSU

204
CUSTOMER SERVICE SKILLS
1.0 Unit

BUSAD 204 offers instruction and hands-on practice of customer service skills for selected workplace environments in a culturally diverse, e-commerce, globally competitive business climate. The course will teach students to effectively accommodate guests, clients, customers, patrons, patients, and other types of clientele in various types of businesses. Activities and examples will be used from business areas such as medical offices, public and government entities, restaurants, grocery establishments, and a variety of other retail businesses, and may be taught on campus or on site of such businesses (see ticket notes in schedule for the focus and location for any listed ticket number). Lecture 1 hour. *Prerequisite:* None. Course Typically Offered: Fall/Spring.

CHEMISTRY

49
CHEMISTRY INDEPENDENT STUDY
1.0 to 3.0 Units

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. Laboratory 3-9 hours. *Corequisite:* Concurrent registration in 6 or more units. *Transfer Credit:* CSU

50 CHEMISTRY INTERNSHIP

1.0 to 3.0 Units

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. Laboratory 3-9 hours. **Prerequisite** or **Corequisite**: Enrollment in appropriate discipline-specific theory or lab course at GCC. **Recommended Preparation**: ENGL C1000 or ESL 151. **Transfer Credit**: CSU

101 GENERAL CHEMISTRY A

5.0 Units

CHEM 101 is the first course in a two-semester sequence which covers important chemistry concepts including physical properties of matter, chemical reactions, stoichiometry, electronic structure of atoms, quantum mechanics, chemical bonding, and the three phases of matter. Lecture and laboratory activities are integrated into one cohesive lecture-lab section. The latter part of the course covers solution chemistry with emphasis on chemical kinetics, thermodynamics, and electrochemistry. Laboratory activities supports the above-mentioned topics, including both qualitative and quantitative analysis of data and propagation of errors. Note: A material/lab fee may be required for this course. Lecture 3 hours/Laboratory 6 hours. **Prerequisite**: 1) ENGL 100 or ESL 141. 2) MATH 90, MATH 90+, MATH 90EF, or high school algebra 2 (C" or better). 3) CHEM 110 or 1 year of high school chemistry with lab ("C" or better) and a satisfactory score on Chemistry Placement Exam. Course Typically Offered: Winter/Spring/Summer/Fall. **Transfer Credit**: CSU, UC, USC. (C-ID CHEM 110)

102 GENERAL CHEMISTRY B

5.0 Units

CHEM 102 is the second course in a two-semester sequence which covers important chemistry concepts including physical properties of matter, chemical reactions, stoichiometry, electronic structure of atoms, quantum mechanics, chemical bonding, and the three phases of matter. Lecture and laboratory activities are integrated into one cohesive lecture-lab section. The latter part of the course covers solution chemistry with emphasis on chemical kinetics, thermodynamics, and electrochemistry. Laboratory activities supports the above-mentioned topics, including both qualitative and quantitative analysis of data and propagation of errors. Note: A material/lab fee may be required for this course. Lecture 3 hours/Laboratory 6 hours. **Prerequisite**: CHEM 101. Course Typically Offered: Winter/Spring/Summer/Fall. **Transfer Credit**: CSU, UC, USC. (CHEM 101 & 102 C-ID CHEM 120S)

105 ORGANIC CHEMISTRY A

5.0 Units

CHEM 105 is an introductory study of the compounds of carbon, including the preparation, properties, and reactions of both aliphatic and aromatic hydrocarbons, halogen derivatives, alcohols, and ethers. Methods of synthesis are stressed, and reaction mechanisms and modern structural principles are introduced. Note: Required of pre-medical and pre-dental students, recommended for majors in chemistry, petroleum engineering, sanitary and municipal engineering, and pharmacy, and for certain home economics, public health and agriculture majors. A material/lab fee may be required for this course. Lecture 3 hours/Laboratory 6 hours. **Prerequisite**: CHEM 102. Course Typically Offered: Fall/Spring. **Transfer Credit**: CSU, UC, USC. (C-ID CHEM 150)

106 ORGANIC CHEMISTRY B

5.0 Units

CHEM 106 is a study of the preparation, properties, and reactions of aliphatic, and aromatic acids, amines, aldehydes, ketones, carbohydrates, heterocyclic compounds, amino acids and proteins. Analysis as well as synthesis of compounds is stressed. Note: A material/lab fee may be required for this course. Lecture 3 hours/Laboratory 6 hours. **Prerequisite**: CHEM 105. Course Typically Offered: Fall/Spring. **Transfer Credit**: CSU, UC, USC. (CHEM 105 & 106 C-ID CHEM 160S)

110 ELEMENTS OF GENERAL CHEMISTRY

5.0 Units

CHEM 110 is a basic course in the fundamental principles, laws, and computations of chemistry emphasizing the descriptive phases and including a brief introduction to the chemistry of the carbon compounds. Note: A material/lab fee may be required for this course. Lecture 4 hours/Laboratory 3 hours. **Prerequisite**: MATH 90 or 90+, or the equivalent, or one year of high school algebra with a grade of C or better. Course Typically Offered: Winter/Spring/Summer/Fall. **Transfer Credit**: CSU, UC. (C-ID CHEM 101)

120 FUNDAMENTALS OF COLLEGE CHEMISTRY (INORGANIC)

5.0 Units

CHEM 120 is a course in the fundamentals of chemistry with the emphasis on health science related examples. This course and CHEM 121 are designed for health science (e.g. nursing), home economics, physical therapy, and other majors that need a year of college chemistry that includes inorganic, organic and biochemistry. CHEM 120 covers inorganic chemistry. CHEM 120 does not involve the level of mathematical applications that are found in CHEM 101. **Note**: This course is not for science majors. At Glendale Community College CHEM 120 satisfies the prerequisite for CHEM 121 only. A material/lab fee may be required for this course. Lecture 4 hours/Laboratory 3 hours. **Prerequisite**: One year of High School algebra, or MATH 90, or MATH 90+. Course Typically Offered: Winter/Spring/Summer/Fall. **Transfer Credit**: CSU, UC, USC

121 FUNDAMENTALS OF COLLEGE CHEMISTRY (ORGANIC AND BIOCHEMISTRY)

5.0 Units

CHEM 121 is the second half of the year sequence and covers the fundamentals of organic and biochemistry. Note: This course is not for science majors. Note: A material/lab fee may be required for this course. Lecture 4 hours/Laboratory 3 hours. **Prerequisite**: CHEM 120. Course Typically Offered: Fall/Spring. **Transfer Credit**: CSU, UC, USC

**298
UNDERGRADUATE RESEARCH IN
CHEMISTRY****3.0 Units**

CHEM 298 introduces students to a research laboratory setting. Students gain experience in performing group projects, setting research goals, and searching the literature for background information. Students design a target molecule, propose its potential applications, and develop reliable synthetic pathways for preparation and isolation of organic compounds. Students present a research goal and justify the cost, synthetic utility, and pedagogic use of the research outcomes for development of the chemistry department. One of the goals of this class is the long-term development of multistep synthetic procedures to be adopted in future curricula. Note: A material/lab fee may be required for this course. Lecture 1 hour/Laboratory 6 hours. **Prerequisite:** CHEM 105 or CHEM 106, or equivalent. **Transfer Credit:** CSU

CHILD DEVELOPMENT

**48
CHILD DEVELOPMENT
INTERNATIONAL FIELD STUDIES****1.0 to 3.0 Units**

CHLDV 48 provides college credit to study child development 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

**49
CHILD DEVELOPMENT
INDEPENDENT STUDY****1.0 to 3.0 Units**

CHLDV 49 provides motivated students with an opportunity to explore a subject in greater depth than usual, to familiarize students with some basic research techniques, to interest students in possible career areas, and to take advantage of special academic interests. Students complete individual research projects, library research and/or preparation of research papers. There is no prescribed course content. Students develop a research project, have it approved by the sponsoring instructor and appropriate division chairperson, and complete the project in accordance with an instructor-approved program. Note: Registration is open to any student at GCC who is currently registered for 6 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 6 units per division. The units received may be acceptable for college transfer subject to the approval of the individual college. Laboratory 3-9 hours. **Corequisite:** Concurrent registration in 6 or more units. **Transfer Credit:** CSU

**50
CHILD DEVELOPMENT
INTERNSHIP****1.0 to 3.0 Units**

CHLDV 50 Internship allows self-motivated students to earn from 1-3 units for structured supervised work off campus under the guidance of a faculty advisor. It is designed to provide students with a hands-on, discipline-linked work experience that will extend their knowledge and understanding of career demands in a field. Note: This course is Pass/No Pass only. Note: Students must arrange an approved internship prior to enrolling in this course. Laboratory 3-9 hours. **Recommended Preparation:** ENGL C1000, ENGL C1000E, or ENGL C1000H, or equivalent. **Transfer Credit:** CSU

**101
INTRODUCTION TO ELEMENTARY
CLASSROOM TEACHING****3.0 Units**

CHLDV 101 introduces students to the concepts and issues related to teaching diverse learners in today's contemporary schools, Transitional Kindergarten through Grade 6. Topics include teaching as a profession and career, historical and philosophical foundations of the American education system, contemporary educational issues, California's content standards and frameworks, and teacher performance standards. In addition to class time, the course requires a minimum of 45 hours of supervised fieldwork in public school elementary school classrooms that represent California's diverse student population, and includes cooperation with at least one campus approved and selected certificated classroom teacher. Lecture 2 hours/Laboratory 3 hours. **Recommended Preparation:** ENGL C1000, ENGL C1000E, or ENGL C1000H, or equivalent. **Transfer Credit:** CSU, UC. (C-ID EDUC 200)

**133
OBSERVATION AND ASSESSMENT****3.0 Units**

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. Lecture 2 hours/Laboratory 3 hours. **Recommended Preparation:** CHLDV 135 or equivalent. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU. (C-ID ECE 200)

135 CHILD GROWTH AND DEVELOPMENT

3.0 Units

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. Lecture 3 hours. **Recommended Preparation:** ENGL C1000, ENGL C1000E, or ENGL C1000H, or equivalent. Course Typically Offered: Winter/Spring/Summer/Fall. **Transfer Credit:** CSU, UC, USC. (C-ID CDEV 100)

137 SCHOOL AGE CHILDREN IN CHILD CARE

3.0 Units

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. Lecture 3 hours. **Prerequisite:** CHLDV 135 or equivalent. **Recommended Preparation:** ENGL C1000. Course Typically Offered: Fall. **Transfer Credit:** CSU

138 HEALTH SAFETY AND NUTRITION

3.0 Units

CHLDV 138 introduces the laws, regulations, standards, policies and procedures and early childhood curriculum related to child health, safety and nutrition. The characteristics of good health and the recognition of the symptoms of communicable diseases are examined. The habits and attitudes essential for physical and mental health of teachers, parents and children are identified. This course is intended to examine the current concepts in the field of health, safety and nutrition and their relationship to the young child and program planning. Emphasis is given to the components of quality care for young children and the importance of collaboration with families and health care professionals. Lecture 3 hours. **Recommended Preparation:** ENGL C1000, ENGL C1000E, or ENGL C1000H, or equivalent. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU. (C-ID ECE 220)

140 PRINCIPLES AND PRACTICES OF TEACHING

3.0 Units

CHLDV 140 examines the underlying theoretical principles of developmentally appropriate practices applied to programs, environments, emphasizing the key role of relationships, constructive adult-child interactions, and teaching strategies in supporting physical, social, creative and intellectual development for all children. This course includes a review of the historical roots of early childhood programs and the evolution of the professional practices promoting advocacy, ethics and professional identity. Note: Verification of tuberculosis (TB) clearance required. Lecture 3 hours. **Prerequisite:** CHLDV 135 or equivalent. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU. (C-ID ECE 120)

141 STUDENT TEACHING SEMINAR

2.0 Units

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. Lecture 2 hours. **Prerequisite:** CHLDV 133 and CHLDV 150. **Corequisite:** CHLDV 180, CHLDV 181, or CHLDV 182. **Recommended Preparation:** CHLDV 156 (CHLDV 156 may be taken concurrently). Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU. (CHLDV 141 & 180 or 181 or 182 C-ID ECE 210)

142 CHILD FAMILY AND COMMUNITY

3.0 Units

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. Lecture 3 hours. **Recommended Preparation:** CHLDV 135 or equivalent. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU, UC, USC. (C-ID CDEV 110)

147 WORKING WITH INFANTS AND TODDLERS

3.0 Units

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. Lecture 3 hours. **Prerequisite:** CHLDV 135 or equivalent. Course Typically Offered: Spring. **Transfer Credit:** CSU

150
INTRODUCTION TO CURRICULUM
3.0 Units

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. Lecture 2 hours/Laboratory 3 hours. *Prerequisite:* CHLDV 133 and CHLDV 140. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU. (C-ID ECE 130)

152
MUSIC FOR YOUNG CHILDREN
3.0 Units

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. Lecture 3 hours. *Recommended Preparation:* ENGL C1000, ENGL C1000E, or ENGL C1000H, or equivalent. Course Typically Offered: Fall. *Transfer Credit:* CSU

154
EARLY CHILDHOOD EDUCATION AND THE ART EXPERIENCE
3.0 Units

CHLDV 154 provides students with the basic knowledge of the content and style of children's art and its link to thinking. Emphasis is placed on the developmental areas of children's growth and the ways teachers can provide appropriate and stimulating experiences. Students have the opportunity to merge theory and practice and gain skills to facilitate creative expression. Experiential learning will be implemented and students will have the opportunity to explore with art materials and then analyze those experiences through a developmental lens. Inclusion, diversity, and the Reggio Emilia approach are featured. Lecture 3 hours. *Recommended Preparation:* ENGL C1000, ENGL C1000E, or ENGL C1000H, or equivalent. *Transfer Credit:* CSU

155
CHILDREN WITH DISABILITIES
3.0 Units

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. Lecture 3 hours. *Prerequisite:* CHLDV 135 (CHLDV 135 may be taken concurrently). *Recommended Preparation:* ENGL C1000. Course Typically Offered: Spring. *Transfer Credit:* CSU, UC

156
TEACHING IN A DIVERSE SOCIETY
3.0 Units

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. Lecture 3 hours. *Recommended Preparation:* CHLDV 140. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU, UC. (C-ID ECE 230)

158
MOVEMENT DEVELOPMENT: BIRTH THROUGH TWELVE YEARS
3.0 Units

CHLDV 158 focuses on designing developmentally appropriate creative dance experiences for young children. It provides those students who are interested in teaching movement to children the opportunity to acquire knowledge and techniques related to motor development and use of creative dance to explore subjects across the early childhood and early elementary curriculum. The course introduces basic principles and theories of motor development in children from birth to age twelve, focusing on designing developmentally-appropriate and creative dance experiences for young children. Note: This course will not fulfill physical education activity requirements. Note: Students who previously completed DANCE 158 are not eligible for credit for completion of CHLDV 158. Lecture 3 hours. *Recommended Preparation:* ENGL C1000 or ESL 151, or equivalent. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU

159
SCIENCE AND MATH FOR YOUNG CHILDREN
3.0 Units

CHLDV 159 is a survey of materials in science, nature, and mathematics suitable for teaching young children (ages 0 - 6 years). Students acquire the appropriate blend of content and pedagogical skills to increase their confidence and attitudes towards science and mathematics when working with young children. Students receive training in using appropriate materials, inquiry-based experiences, and guided discovery teaching methods to promote learning. Students gain practice in translating curriculum standards and guidelines into high quality early childhood, transitional kindergarten, and kindergarten programs. Lecture 3 hours. *Recommended Preparation:* CHLDV 135 or equivalent. *Transfer Credit:* CSU

160 GUIDING CHILDREN AND ADOLESCENTS

3.0 Units

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. Lecture 3 hours. **Recommended Preparation:** ENGL C1000, ENGL C1000E, or ENGL C1000H, or equivalent. **Transfer Credit:** CSU, UC

174 ADMINISTRATION OF EARLY CHILDHOOD PROGRAMS I

3.0 Units

CHLDV 174 is an introduction to the administration of early childhood programs. Topics covered include general responsibilities of a program director, program types, developing and managing program budgets, program management skills, an examination of relevant laws and regulations governing early childhood programs, and the development and implementation of policies and procedures. The course also examines administrative tools, philosophies, and techniques needed to organize, open and operate an early care and education program. Lecture 3 hours. **Prerequisite:** CHLDV 140 or equivalent. Course Typically Offered: Fall. **Transfer Credit:** CSU

175 ADMINISTRATION OF EARLY CHILDHOOD PROGRAMS II

3.0 Units

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. Lecture 3 hours. **Prerequisite:** CHLDV 174. Course Typically Offered: Spring. **Transfer Credit:** CSU

176 MENTOR TEACHER PRACTICES

3.0 Units

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. Lecture 3 hours. **Prerequisite:** CHLDV 141. Course Typically Offered: Fall. **Transfer Credit:** CSU

180 STUDENT TEACHING FIELD PRACTICE - INFANT/TODDLER FOCUS

1.0 Unit

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. Laboratory 3 hours. **Corequisite:** CHLDV 141. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU. (CHLDV 141 & 180 or 181 or 182 C-ID ECE 210)

181 STUDENT TEACHING FIELD PRACTICE - PRESCHOOL FOCUS

1.0 Unit

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. Laboratory 3 hours. **Corequisite:** CHLDV 141. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU. (CHLDV 141 & 180 or 181 or 182 C-ID ECE 210)

182 STUDENT TEACHING FIELD PRACTICE - SCHOOL AGE FOCUS

1.0 Unit

CHLDV 182 provides a semester teaching experience in a school age 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 is designed to provide opportunities for practical application of skills and knowledge previously gained in the classes specified in the school age and child development curriculum. Field experience provides the teacher candidate the opportunity to participate in before and after-school activities, design and provide developmentally appropriate activities and tutoring under the guidance of the supervising/mentor teacher, assess themselves as a prospective teacher, and participate in seminar discussions. Laboratory 3 hours. **Corequisite:** CHLDV 141. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU. (CHLDV 141 & 180 or 181 or 182 C-ID ECE 210)

210 SCAFFOLDING LEARNING IN EARLY CHILDHOOD

3.0 Units

CHLDV 210 compares current cognitive theories and provides methods for bridging the gap between research and classroom practice. Strategies and skills necessary to preparing environments that encourage active learning and problem-solving skills for children are developed. Particular emphasis is given to the project approach to implementation, using the acclaimed Reggio Emilia techniques. Lecture 3 hours. **Prerequisite:** CHLDV 150 or equivalent. **Recommended Preparation:** ENGL C1000. **Transfer Credit:** CSU

215 EMERGENT LITERACY IN EARLY CHILDHOOD

3.0 Units

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. Lecture 3 hours. **Recommended Preparation:** CHLDV 135 and ENGL C1000. **Transfer Credit:** CSU

CHINESE

**101
BEGINNING CHINESE I**
5.0 Units

CHIN 101 presents the fundamentals of Chinese grammar within a cultural context. Students are trained to pronounce Chinese (Mandarin) correctly, to acquire a small working vocabulary which they use in conversation and phonetic transcription, and to read and write approximately 150 Chinese characters. Note: This course is not intended for students with oral proficiency or who have attended schools where Mandarin Chinese was the language of instruction. Lecture 5 hours. **Recommended Preparation:** ENGL 100 or ESL 141. Course Typically Offered: Fall. **Transfer Credit:** CSU, UC, USC

**102
BEGINNING CHINESE II**
5.0 Units

CHIN 102 continues to present the fundamentals of Chinese grammar within a cultural context. Students are further trained to pronounce Chinese (Mandarin) correctly, to build their conversational and written vocabulary, and to read and write approximately 150 more Chinese characters. Lecture 5 hours. **Prerequisite:** CHIN 101 or equivalent. Course Typically Offered: Spring. **Transfer Credit:** CSU, UC, USC

COMMUNICATION STUDIES

Communication Studies courses were previously listed in Speech Communication (SPCH) department in the catalog.

**48
SPEECH INTERNATIONAL FIELD STUDIES**
1.0 to 3.0 Units

COMM 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. Lecture 1-3 hours. **Corequisite:** Concurrent registration in 6 or more units or equivalent. **Transfer Credit:** CSU

**49
SPEECH INDEPENDENT STUDY**
1.0 to 3.0 Units

COMM 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. Laboratory 3-9 hours. **Corequisite:** Concurrent registration in 6 or more units. **Transfer Credit:** CSU

**C1000
INTRODUCTION TO PUBLIC SPEAKING**
3.0 Units

(Previously SPCH 101)

In this course, students learn and apply foundational rhetorical theories and techniques of public speaking in a multicultural democratic society. Students discover, develop, and critically analyze ideas in public discourse through research, reasoning, organization, composition, delivery to a live audience and evaluation of various types of speeches, including informative and persuasive speeches. Students will explore ethical considerations in public speaking, focusing on rhetorical sensitivity to diversity, equity, inclusion, and accessibility. Note: This course was previously SPCH 101. Lecture 3 hours. **Prerequisite:** None. Course Typically Offered: Winter/Spring/Summer/Fall. **Transfer Credit:** CSU, UC, USC. (C-ID COMM 110)

**100
INTERPERSONAL COMMUNICATION**
3.0 Units

COMM 100 is an introductory course focusing on human communication between two people. Through their reading of research-based theories and principles of interpersonal communication, verbal and nonverbal communication exercises, and class discussions regarding personal identities and ethical conduct, students learn to identify and understand factors affecting interpersonal communication in personal and professional contexts. The course focuses on self-discovery and developing skills in the areas of language, listening, assertiveness, conflict management, nonverbal behaviors, group problem solving, and cross cultural communication. Students discover and identify the factors that influence communication behavior, and the establishment and maintenance of meaningful and necessary relationships. Lecture 3 hours. **Recommended Preparation:** ESL 151. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU, UC, USC. (C-ID COMM 130)

**103
GROUP DISCUSSION**
3.0 Units

COMM 103 is an introductory course focusing on the principles and practices of human communication in various group contexts. This course is designed to help students become familiar with the major theories and research regarding group communication. Students experience the challenge of learning how to improve their group communication skills through participation in a variety of group activities. The course focuses on self-discovery and developing skills in the areas of language, listening, leadership, conflict management, problem solving and decision making, nonverbal behaviors, and cross cultural communication in family, social and professional group settings. Knowledge gained through group discussion helps students to become more comfortable and competent participants in the group communication process. Lecture 3 hours. **Recommended Preparation:** ESL 151. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU, UC, USC. (C-ID COMM 140)

104
ARGUMENTATION AND DEBATE
 3.0 Units

COMM 104 provides students with instruction and practice in the principles of argumentation and the various forms of debate. It includes the analysis of propositions, research, evidence and reasoning. Students are required to practice various forensic debating techniques through the presentation of their outlined affirmative and negative cases after investigating major contemporary issues; to read a college level argumentation and debate textbook and apply its principles in the preparation of their cases and to critically analyze debate cases. Lecture 3 hours. *Recommended Preparation:* COMM C1000, ENGL C1000, or ESL 151. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU, UC, USC (C-ID COMM 120)

105
VOICE AND DICTION
 3.0 Units

COMM 105 concentrates on improving each student's speaking voice through oral communication exercises and activities. Techniques in relaxation, breath control, articulation, vocal variety and pronunciation are emphasized. Students develop accuracy of sound production for standard American speech while learning the International Phonetic Alphabet. Lecture 3 hours. *Recommended Preparation:* ESL 151. Course Typically Offered: Spring. *Transfer Credit:* CSU, UC, USC

106
ORAL INTERPRETATION OF LITERATURE
 3.0 Units

COMM 106 teaches the skills, techniques and theories of oral interpretation of literary works. Students learn to use verbal and nonverbal elements to communicate subtextual choices related to structural analysis of a variety of literary genres including prose, poetry and drama. Class exercises and instructor feedback are used to teach these concepts and to focus on the student's individual strengths and weaknesses. Methods of literary selection and excerpting, along with analysis in relation to performance requirements are demonstrated. Lecture 3 hours. *Recommended Preparation:* ESL 151. Course Typically Offered: Fall. *Transfer Credit:* CSU, UC, USC. (C-ID COMM 170)

108
INTERCULTURAL COMMUNICATION
 3.0 Units

COMM 108 is an introductory course focusing on the principles and practices of intercultural communication. This course is designed to help students become familiar with the major theories and research of intercultural communication in domestic and global contexts. Students examine culturally coded communication behaviors to identify and understand differences in communication patterns among individuals and groups from diverse ethnic and cultural backgrounds. The course provides students with an opportunity to enhance their intercultural communication knowledge and skills through practical exercises and activities. Lecture 3 hours. *Recommended Preparation:* ENGL C1000, ENGL C1000E, or ENGL C1000H, or equivalent. Course Typically Offered: Spring. *Transfer Credit:* CSU, UC, USC. (C-ID COMM 150)

115
GENDER AND COMMUNICATION
 3.0 Units

COMM 115 is an introductory course designed to analyze issues of gender and communication. Using a communication approach, the course examines theoretical and perspectives issues in gender construction by explaining the differences between gender, sex, and sexual orientation, and how gender, race, and class intersect with one another. Students explore the relationship between gender and communication as it relates to verbal and nonverbal communication. Students also learn to identify the perception of gendered communication from various standpoints, including those of heterosexual men and women as well as lesbian, gay, bisexual, transgender, and queer (and/or questioning) individuals/identities (LGBTQ). An emphasis is placed on improving communication skills by exploring the significance of gender in everyday communication interactions. Lecture 3 hours. *Recommended Preparation:* ENGL C1000, ENGL C1000E, or ENGL C1000H, or equivalent. *Transfer Credit:* CSU, UC, USC

117
PROFESSIONAL VOICE-OVER
 3.0 Units

COMM 117 is an introductory course designed to help each student find their 'voice' so they can pursue a career as a professional voice-over actor. The course focuses on the essential oral communication skills and training needed to work in the entertainment industry. Students are introduced to the different genres of voice-over work - radio/TV commercials, film trailers, video games, documentaries, multimedia, and audio book narration. Students also learn how to create a demo tape, find an agent, and market themselves. Lecture 3 hours. *Recommended Preparation:* ENGL 100 or ESL 151. *Transfer Credit:* CSU

120
INTRODUCTION TO COMMUNICATION THEORY
 3.0 Units

COMM 120 introduces students to the process of human communication through the study of basic communication models, fundamental theories, and relevant research findings. Emphasis is placed on achieving an understanding of the various forms of human communication, and the ways in which researchers contribute to the communication field. Coursework encourages students to research, analyze and apply communication theories to everyday communication practices. SPCH 120 prepares students for upper division coursework in the communication discipline. Lecture 3 hours. *Recommended Preparation:* ENGL C1000, ENGL C1000E, or ENGL C1000H, or equivalent. *Transfer Credit:* CSU, UC, USC. (C-ID COMM 180)

160
FORENSICS COMPETITION
 3.0 Units

COMM 160 teaches students to participate in competitive Speech and Debate activities and events which are commonly referred to as Forensics. Students learn the strategies, techniques and skills needed to prepare and deliver presentations before various audiences. Activities range from debate to public speaking to oral interpretation of literature. Students who repeat this course master communication skills through further instruction and practice. Regular participation in tournament, campus and community presentations is required. Note: Students can repeat this competition course three times (four total enrollments). If a student has taken SPEECH 190, 191, 192 or 193 prior to Spring 2017, such classes will count towards the four total enrollment limit. Lecture 3 hours. *Recommended Preparation:* ESL 151. *Transfer Credit:* CSU, UC, USC. (C-ID COMM 160B)

COMPUTER AIDED MANUFACTURING

210

COMPUTER AIDED MANUFACTURING BASIC MILLING 3.0 Units

CAM 210 introduces the use of computers in programming numerical control milling machines. Students write and edit programming code for computer numerical control (CNC) milling machines and learn the fundamentals of the milling process through hands-on machining practice. Lecture 1 hour/Laboratory 6 hours. *Recommended Preparation:* ENGL C1000 or ESL 141. *Transfer Credit:* CSU

220

COMPUTER AIDED MANUFACTURING BASIC LATHE 3.0 Units

CAM 220 introduces the use of computers in programming numerical control lathe machines. Students write and edit programming code for computer numerical control (CNC) lathes and learn the fundamentals of the lathe process through hands-on machining practice. Lecture 1 hour/Laboratory 6 hours. *Recommended Preparation:* ENGL C1000 or ESL 141. *Transfer Credit:* CSU

230

BASIC MASTERCAM MILL 3.0 Units

CAM 230 is a Mastercam mill course that introduces the Mastercam mill interface and uses milling toolpaths to machine 2-Axis Mill parts. Machining processes include a combination of face Milling, profile Milling, pocket Milling, drilling, reaming, tapping, and high speed milling toolpaths. This course also explores stock model operations. Lecture 1 hour/Laboratory 6 hours. *Prerequisite:* CAM 210 or equivalent. *Transfer Credit:* CSU

231

ADVANCED MASTERCAM MILL 3.0 Units

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. Lecture 1 hour/Laboratory 6 hours. *Recommended Preparation:* CAM 230 or equivalent. *Transfer Credit:* CSU

232

CNC MILL COMPUTER AIDED MANUFACTURING LABORATORY 1.0 Unit

CAM 232 provides practice using computer-aided manufacturing (CAM) software, which will allow students to complete complex computer numerical control (CNC) milling machine projects of their own choosing to further develop their CAM and CNC milling machine setup and programming skills. Laboratory 3 hours. *Recommended Preparation:* CAM 231 or equivalent. *Transfer Credit:* CSU

240

BASIC MASTERCAM LATHE 3.0 Units

CAM 240 is a Mastercam lathe course. Students will be introduced to the Mastercam lathe interface and creating geometry. Turning toolpaths, available in Mastercam, will be used to machine 2-Axis Lathe parts. Machining processes include a combination of Turning Face, Turning Profile, Profile Groove, Single Groove, Chamfer, Part off, and Threading Toolpaths. Stock flip operations will also be discussed. Lecture 1 hour/Laboratory 6 hours. *Recommended Preparation:* CAM 210 or 220, or equivalent. *Transfer Credit:* CSU

241

ADVANCED MASTERCAM LATHE 3.0 Units

CAM 241 is an advanced Mastercam lathe course. This course will cover the setup aspects of MT_Lathe. Students will learn how to configure the Mastercam workspace, properly orient part geometry, and complete Job Setup. Students will learn how to create more complex 3D geometry, advanced C-Axis toolpaths and toolpaths that support the Y-axis rotation and examples on how to use the Mill toolpaths on a Lathe with Live Tooling. Proper Tool Definition, Axis Combinations, Sub spindle machining, and Tool Plane setup will be covered. Note: This is an advanced CNC lathe course using Mastercam software, please make sure to review the *Recommended Preparation* for this class. Lecture 1 hour/Laboratory 6 hours. *Recommended Preparation:* CAM 220 or CAM 240, or equivalent.

242

CNC LATHE COMPUTER AIDED MANUFACTURING LABORATORY 1.0 Unit

CAM 242 provides practice using computer-aided manufacturing (CAM) software, which will allow students to complete complex CNC lathe projects of their own choosing to further develop their CAM and CNC lathe setup and programming skills. Laboratory 3 hours. *Recommended Preparation:* CAM 241. *Transfer Credit:* CSU

250

4TH AXIS MACHINING 3.0 Units

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. Lecture 1 hour/Laboratory 6 hours. *Prerequisite:* CAM 210 or CAM 220. *Recommended Preparation:* ENGR 102. *Transfer Credit:* CSU

260

INTRODUCTION TO 5-AXIS MACHINING 4.0 Units

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. Lecture 1 hour/Laboratory 9 hours. *Recommended Preparation:* CAM 210 or CAM 250. *Transfer Credit:* CSU

261

ADVANCED 5-AXIS MACHINING 4.0 Units

CAM 261 prepares students for advanced machining using 5-Axis Computer Numerical Control (CNC) machines. The course includes a review of 3+2 positioning and use of Mastercam software. Students will learn surface (solid face) and wireframe-based toolpaths. Also covered are methods of tool axis control, tilting strategies, and collision control, including how multiple methods of collision control can be combined. Lecture 1 hour/Laboratory 9 hours. *Recommended Preparation:* CAM 260. *Transfer Credit:* CSU

COMPUTER APPLICATION & BUSINESS OFFICE TECHNOLOGIES

101 BUSINESS OFFICE PROCEDURES 3.0 Units

CABOT 101 is an in-depth study of general office procedures, including the selection of office supplies; processing of mail; use of postal services; receptionist and telephone techniques; handling travel arrangements; preparation of office documents; banking procedures; payroll, insurance, and tax records; and job preparation. Lecture 3 hours. *Recommended Preparation:* STV 31, STV 33, or CABOT 205, or equivalent and CABOT 102, ENGL 100, or ESL 141, or equivalent. Course Typically Offered: Fall/Spring/Winter.

102 ENGLISH FOR BUSINESS 4.0 Units

CABOT 102 is a course designed to help secretarial and business students achieve proficiency in grammar, punctuation, and sentence structure. Lecture 4 hours. *Recommended Preparation:* ESL 133 and 136 and keyboarding skill at the rate of 25 words per minute or concurrent enrollment in a keyboarding course. Course Typically Offered: Fall/Spring.

103 BUSINESS VOCABULARY DEVELOPMENT 3.0 Units

CABOT 103 is designed to develop skill in the acquisition and proper use of English vocabulary used in business communications. Both general and specialized vocabularies specific to business professions are covered. Lecture 3 hours. *Recommended Preparation:* ENGL 100 or ESL 141, or equivalent. Course Typically Offered: Fall/Spring.

104 FILING METHODS AND SYSTEMS 1.0 Unit

CABOT 104 covers principles and procedures for establishment and use of various traditional and electronic filing systems. This includes practice in alphabetic, numeric, geographic, and subject filing methods and covers principles and procedures for storage and retrieval, retention, and transfer and disposal of records. Lecture 0.5 hour/Laboratory 1.5 hours. *Recommended Preparation:* CABOT 102 and ENGL 100 or ESL 141. Course Typically Offered: Fall/Spring.

105 INTRODUCTION TO OFFICE CORRESPONDENCE 3.0 Units

CABOT 105 is an entry-level writing course for students completing programs in business. The course prepares students to accomplish tasks and solve problems through the written word. Techniques are covered for creating effective documents in appropriate styles and formats. These documents include business letters, memos, e-mail messages, telephone messages, and other written communications typically generated by an employee in an entry-level position. In addition, short original essays responding to a review of rhetorical works in the fields of business and economics are prepared. Lecture 3 hours. *Prerequisite:* CABOT 102. *Recommended Preparation:* STV 33, ENGL 100 or ESL 141, and keyboarding skill at rate of 30 wpm. Course Typically Offered: Fall/Spring.

110 COLLEGIATE BUSINESS MATHEMATICS 3.0 Units

CABOT 110 is a course in applied routine mathematical tasks typically performed by entry-level clerical employees in today's business offices. Students learn to select and apply appropriate procedures to solve problems arising in various business situations. Emphasis is on real-world business math applications in such areas as payroll, cash and trade discounting, and both simple and compound interest. This course offers students a solid preparation for entering courses in accounting, retailing, banking, and marketing. Completion of this course is intended to increase students' success on pre-employment exams for entry-level civil-service-type office positions (e.g. county, city, state, and school district) as well as for an array of private industry office positions. Lecture 3 hours. *Prerequisite:* None. Course Typically Offered: Fall/Spring. (C-ID BSOT 115X)

205 KEYBOARDING & DOCUMENT PROCESSING I 3.0 Units

CABOT 205 develops the basic skill of keyboard techniques to give the foundation for advanced training in keyboarding. Training is given in the preparation of memorandums, personal letters, business letters, simple tabulation, outlines, and manuscripts. Note: Students who can type at least 35 words a minute should enroll in CABOT 210. Lecture 3 hours. *Recommended Preparation:* STV 11 and ENGL 100 or ESL 141. *Transfer Credit:* CSU. (C-ID BSOT 110X)

210 KEYBOARDING & DOCUMENT PROCESSING II 3.0 Units

CABOT 210 is a continuation of CABOT 205, providing refinement and development of technique with increased emphasis on accuracy and speed. The course provides a detailed study of business letters, special office forms, tabulated reports, manuscripts, resumes, and letters of application. Lecture 3 hours. *Recommended Preparation:* STV 12 or CABOT 205 and ENGL 100 or ESL 141. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU. (C-ID BSOT 120X)

260 BEGINNING MICROSOFT OFFICE APPLICATIONS 4.0 Units

CABOT 260 provides students with the necessary skills and training to create, enhance, manipulate, and manage files in four different software programs. Some of the topics for this course consist of: creating a document with a table, a chart, and a watermark, working with large worksheets, data tables, amortization schedules, and hyperlinks, designing, maintaining, and querying databases, and creating slide shows with embedded visuals. Lecture 4 hours. *Recommended Preparation:* CABOT 208 or equivalent (may be taken concurrently with CABOT 260.) Course Typically Offered: Winter/Spring/Summer/Fall. *Transfer Credit:* CSU

265 MICROSOFT WORD I 3.0 Units

CABOT 265 provides students with beginning features and functions of Microsoft Office Word, a word processing software program. This course prepares students for the Microsoft Office Specialist (MOS) core certification exam in Word. Some of the topics for this course consist of: creating and editing a word document, creating a research paper, using a wizard to create a resume, creating a cover letter with a table, and creating a document with a table, a chart, and a watermark. Lecture/Demonstration 3 hours. *Recommended Preparation:* CABOT 208 or equivalent and CABOT 205 or equivalent. Course Typically Offered: Fall/Spring/Summer. *Transfer Credit:* CSU. (C-ID BSOT 111X)

266 MICROSOFT WORD II

3.0 Units

CABOT 266 provides students with advanced features and functions of Microsoft Office Word, a word processing software program. This course prepares students for the Microsoft Office Specialist (MOS) expert certification exam in Word. Some of the topics for this course consist of: creating a professional newsletter in multiple columns with a table, using imported graphics, creating an online form with combo boxes and check boxes, working with tables of contents and indexes, and generating form letters, mailing labels and envelopes with mail merge. Lecture/Demonstration 3 hours. **Prerequisite:** CABOT 265 or STV 100, or equivalent. Course Typically Offered: Fall (Every Other Year). **Transfer Credit:** CSU. (C-ID BSOT 121X)

270 MICROSOFT EXCEL I

3.0 Units

CABOT 270 provides students with instruction in beginning features and functions of Microsoft Office Excel, a spreadsheet software program. This course prepares students for the Microsoft Office Specialist (MOS) core certification exam in Excel. Some of the topics for this course consist of: creating a worksheet with an embedded chart; working with financial functions, data tables, amortization schedules, and hyperlinks, and creating static and dynamic Web pages. Lecture/Demonstration 3 hours. **Recommended Preparation:** CABOT 208 or equivalent. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU. (C-ID BSOT 112X)

275 MICROSOFT ACCESS I

3.0 Units

CABOT 275 provides students with instruction in beginning features and functions of Microsoft Office Access, a database software program. This course prepares students for the Microsoft Office Specialist (MOS) core certification exam in Access. Some of the topics for this course consist of: creating a database using design and datasheet views, querying a database, maintaining a database, and creating reports and forms. Lecture/Demonstration 3 hours. **Recommended Preparation:** CABOT 208 or equivalent. Course Typically Offered: Fall (Every Other Year). **Transfer Credit:** CSU. (C-ID BSOT 113X)

280 MICROSOFT POWERPOINT I

3.0 Units

CABOT 280 provides students with instruction in beginning features and functions of Microsoft Office PowerPoint, a presentation software program. This course prepares students for the Microsoft Office Specialist (MOS) core certification exam in PowerPoint. Some of the topics for this course consist of: using a design template and auto layouts to create a presentation, using outline view and clip art to create a slide show, using embedded visuals to enhance a slide show, and creating a presentation on the Web. Lecture/Demonstration 3 hours. **Recommended Preparation:** CABOT 208 or equivalent. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU. (C-ID BSOT 114X)

285 MICROSOFT OUTLOOK

3.0 Units

CABOT 285 introduces students to the beginning features and functions of Microsoft Office Outlook. This course prepares students for the Microsoft Office Specialist (MOS) certification exam in Outlook. Lecture/Demonstration 3 hours. **Recommended Preparation:** CABOT 208 or equivalent. Course Typically Offered: Spring (Every Other Year). **Transfer Credit:** CSU. (C-ID BSOT 106X)

286 MICROSOFT PUBLISHER

3.0 Units

CABOT 286 introduces students to the beginning features and functions of Microsoft Office Publisher, a desktop publishing program. Students create flyers, brochures, newsletters, letterheads, forms, and other publications that incorporate text, graphics, illustrations, and photographs. Lecture/Demonstration 3 hours. **Recommended Preparation:** CABOT 208 or equivalent. Course Typically Offered: Fall (Every Other Year). **Transfer Credit:** CSU

COMPUTER SCIENCE/ INFORMATION SYSTEMS

49 COMPUTER SCIENCE/ INFORMATION SYSTEMS INDEPENDENT STUDY

1.0 to 3.0 Units

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. Laboratory 3-9 hours. **Corequisite:** Concurrent registration in 6 or more units. **Recommended Preparation:** ABSE 186. **Transfer Credit:** CSU

50 COMPUTER SCIENCE/ INFORMATION SYSTEMS INTERNSHIP

1.0 to 3.0 Units

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. Laboratory 3-9 hours. **Prerequisite:** None. **Transfer Credit:** CSU

100 COMPUTER CONCEPTS

3.0 Units

CS/IS 100 is a survey course designed to introduce concepts and applications to students with no previous exposure to computing. It is directed toward students who want a single survey course in computer concepts, and who may be using a computer in a work situation. Note: This course is not intended for CIS, IT or CS majors and may not be taken for credit by students who have completed CS/IS 101. Lecture 3 hours. **Recommended Preparation:** CABOT 105 or ESL 141. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU

101 INTRODUCTION TO COMPUTER AND INFORMATION SYSTEMS

5.0 Units

CS/IS 101 is designed to present the concepts and technology of processing information to students who plan to continue their studies in business information systems or computer science or who plan to work in the field. This course has a hands-on component in which the student learns basic system and application software, Web site development, Internet, and networking. Information competency skills are introduced. Students will focus on the application of concepts and methods through hands-on projects, developing computer-based solutions to business problems. Lecture 5 hours. **Recommended Preparation:** CABOT 105 or ESL 151. Course Typically Offered: Winter/Spring/Summer/Fall. **Transfer Credit:** CSU, UC, USC. (C-ID BUS 140, ITIS 120)

112 INTRODUCTION TO PROGRAMMING USING JAVA

3.0 Units

CS/IS 112 is a course in programming computers using the Java programming language, which includes defining the problem, flowcharting, writing, executing, and debugging application programs, and program documentation. Lecture 2 hours/Laboratory 3 hours. **Recommended Preparation:** CS/IS 101 or equivalent. Course Typically Offered: Fall/Spring/Summer. **Transfer Credit:** CSU, UC, USC. (C-ID COMP 112)

125 DISCRETE STRUCTURES FOR COMPUTING

4.0 Units

CS/IS 125 is a course in discrete structures that furnishes a strong foundation of mathematical tools for modeling problems and applications in computer science. Topics include logic operations, combinatorics, undirected and directed graphs, trees, relations and sets, proofs, Boolean algebra, algebraic systems, finite state automata, and discrete probability. Lecture 3.5 hours/Laboratory 1.5 hours. **Prerequisite:** CS/IS 135 or equivalent. **Recommended Preparation:** MATH 90. **Transfer Credit:** CSU, UC, USC. (C-ID COMP 152)

130 INTRODUCTION TO ALGORITHMS

3.0 Units

CS/IS 130 is a course in programming, algorithm development and problem-solving using both object-oriented and structured approaches. It introduces students to the study of syntax and data structures with applications in science, engineering, and industry. This course is suitable for students planning to transfer and those wishing to develop a marketable skill. Lecture 3 hours. **Prerequisite:** CS/IS 112 or equivalent. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU, UC, USC

135 PROGRAMMING IN C/C++

3.0 Units

CS/IS 135 is a course in programming using the C/C ++ languages, with uses in applications programming for real time, business, and image processing systems as well as systems programming. Types, operators, control flow functions, object-oriented programming, classes, data abstraction, and program structure pointers and arrays are covered in the programming assignments. Lecture 2 hours/Laboratory 3 hours. **Prerequisite:** CS/IS 112 or equivalent. Course Typically Offered: Winter/Spring/Summer/Fall. **Transfer Credit:** CSU, UC, USC. (C-ID COMP 122)

137 C++ AND ADVANCED TOPICS

4.0 Units

CS/IS 137 prepares the student for C++ programming in the workplace and other real world environments. The course focuses on the advanced object-oriented programming concepts needed for today's programs as well as other advanced concepts such as templates and generics, files and streams, and operator overloading. The course provides students an opportunity to work on advanced projects of the student's choosing within the scope of the course. Lecture/Demonstration 4 hours. **Prerequisite:** CS/IS 135 or equivalent. Course Typically Offered: Fall (Every Other Year). **Transfer Credit:** CSU, UC, USC

139 JAVA

3.0 Units

CS/IS 139 is a hands-on course where the student will be working with programs to develop a knowledge of Java concepts in an interactive environment. Stand-alone applications and network applets will be created and tested across operating systems and hardware platforms. Lecture 2 hours/Laboratory 3 hours. **Prerequisite:** CS/IS 112 or equivalent. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU, UC, USC

151 PYTHON PROGRAMMING

3.0 Units

CS/IS 151 is a course in programming computers in the Python language for those who plan to be programmers or those interested in graphics and Graphical User Interface (GUI) programming. Python is used in both business and game applications. The course covers the basics of the Python language and reviews computer science concepts. Data types, decision structures, loops, functions, object-oriented programming, and some basic graphics and GUI concepts will be presented. Lecture 3 hours. **Recommended Preparation:** CS/IS 112 or equivalent. Course Typically Offered: Spring (Every Other Year). **Transfer Credit:** CSU, UC, USC

165 COMPUTER ARCHITECTURE AND ASSEMBLY LANGUAGE

4.0 Units

CS/IS 165 introduces the student to computer architecture as well as the world of assembly language programming. The mapping of statements and constructs in a high-level language onto sequences of machine instructions is studied, as well as the internal representation of simple data types and structures. Numerical computation is examined, noting the various data representation errors and potential procedural errors. Lecture/Demonstration 4 hours. **Prerequisite:** CS/IS 112 or equivalent. Course Typically Offered: Fall (Every Other Year). **Transfer Credit:** CSU, UC, USC

166 ADVANCED COMPUTER ARCHITECTURE AND ASSEMBLY LANGUAGE

3.0 Units

CS/IS 166 covers the extension of basic addressing concepts to more advanced addressability such as base register and self-relative addressing, as well as comparative computer architecture focusing on such organizations as multiple register processors and stack machines. Students study the basics of virtual memory input-output and an introduction to the concept of micro programmable systems. Low-level system translation processes associated with assemblers, system functions such as relocatable loading and memory management, applications of data structures, and hashing techniques are covered. Lecture 3 hours. **Prerequisite:** CS/IS 165 or equivalent Course Typically Offered: Spring (Every Other Year). **Transfer Credit:** CSU, UC, USC

172 UNIX/LINUX OPERATING SYSTEM

4.0 Units

CS/IS 172 discusses the various features of the UNIX and Linux operating systems. These operating systems are industry standard in modern computer systems. This course will be taught using current Linux distributions on Glendale Community College computers and on student home computers. Lecture/Demonstration 4 hours. **Recommended Preparation:** CS/IS 135 or 139 or equivalent Course Typically Offered: Fall (Every Other Year). **Transfer Credit:** CSU, UC, USC

174 UNIX/LINUX SYSTEM ADMINISTRATION

4.0 Units

CS/IS 174 is a course designed to acquaint the student with Unix system administration. Topics covered include the tasks performed by a system administrator. Topics covered will include installation, system startup and shutdown, networking, files system structure, Sun Microsystem's Network File System (NFS), process control, backups, user administration, email, web hosting, interoperability with Windows, and security. Lecture/Demonstration 4 hours. **Recommended Preparation:** CS/IS 172 or equivalent. Course Typically Offered: Spring (Every Other Year).

186 WORKSTATION SECURITY AND SUPPORT

3.0 Units

CS/IS 186 familiarizes students with workstation security measures and workstation operations. Students learn to recognize threats and to combat multiple security issues that can affect the workstation. This course prepares students to maintain workstation operations and security in a medium and large network environment. This course includes labs to provide hands-on training. Lecture 2 hours/Laboratory 3 hours. **Recommended Preparation:** CS/IS 101.

190 INTRODUCTION TO COMPUTER NETWORKS

3.0 Units

CS/IS 190 introduces the architecture, structure, functions, components, and models of the Internet and other computer networks. The principles and structure of IP (Internet Protocol) addressing and the fundamentals of Ethernet concepts, media, and operations are introduced to provide a foundation for further study of computer networks. It uses the OSI (Open Systems Interconnection) and TCP (Transmission Control Protocol) layered models to examine the nature and roles of protocols and services at the application, network, data link, and physical layers. This course prepares students for the CompTIA Network+ certification exam. The course includes labs to provide hands-on training. Lecture 2 hours/Laboratory 3 hours. **Recommended Preparation:** CS/IS 101 or equivalent. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU. (C-ID ITIS 150)

193 INTRODUCTION TO CYBERSECURITY: ETHICAL HACKING

3.0 Units

CS/IS 193 introduces students to the concepts, principles, and techniques, supplemented by hands-on exercises, for attacking and disabling a network within the context of properly securing a network. The course emphasizes network attack methods with an emphasis on student use of network attack techniques and tools and appropriate defenses and countermeasures. Students experience a hands-on practical approach to penetration testing measures and ethical hacking. This course includes labs to provide hands-on training. Lecture 2 hours/Laboratory 3 hours. **Recommended Preparation:** CS/IS 190 and CS/IS 196 or equivalent. **Transfer Credit:** CSU. (C-ID ITIS 164)

194 INFORMATION TECHNOLOGY ESSENTIALS

3.0 Units

CS/IS 194 provides an introduction to the computer hardware and software skills needed to help meet the growing demand for entry-level Information Technology (IT) professionals. The fundamentals of computer hardware and software, as well as advanced concepts such as security, networking, and the responsibilities of an IT professional, are introduced in this class. Students will be prepared to take the CompTIA A+ certification exams. This course includes labs to provide hands-on training. Lecture 2 hours/Laboratory 3 hours. **Prerequisite:** None. **Transfer Credit:** CSU

196 ADVANCED NETWORKING: SECURITY

3.0 Units

CS/IS 196 is a course designed to help prepare the student for industry-recognized certification in advanced networking infrastructure. This course focuses on security installation, configuration and administration in the modern networking environment. The course includes an introduction to the fundamental principles and topics of Information Technology Security and Risk Management at the organizational level. This course includes labs to provide hands-on training. Lecture 2 hours/Laboratory 3 hours. **Recommended Preparation:** CS/IS 190 or equivalent. Course Typically Offered: Fall (Every Other Year). **Transfer Credit:** CSU

197 ADVANCED NETWORKING: SERVER OPERATIONS

3.0 Units

CS/IS 197 is a course designed to acquaint the student with the knowledge and skills required to build, maintain, troubleshoot, and support server hardware and software technologies. Students learn to identify environmental issues, understand and comply with disaster recovery procedures, become familiar with security procedures and industry terminology, and understand server roles, server specializations, and interactions within the computing environment. This course includes labs to provide hands-on training. Lecture 2 hours/Laboratory 3 hours. *Recommended Preparation:* CS/IS 190 or equivalent. Course Typically Offered: Spring (Every Other Year). *Transfer Credit:* CSU

211 DATA STRUCTURES

4.0 Units

CS/IS 211 is designed to provide a thorough coverage of data structures with data abstraction applied to a broad spectrum of practical applications. Students who take this course master the principles of programming as a tool for problem solving. The students solve practical problems in a computer equipped laboratory using an Object Oriented Programming (OOP) Language, typically JAVA or C++. Lecture 3.5 hours/Laboratory 1.5 hours. *Prerequisite:* CS/IS 135 or equivalent. Course Typically Offered: Fall (Every Other Year). *Transfer Credit:* CSU, UC, USC. (C-ID COMP 132)

212 ADVANCED DATA STRUCTURES

3.0 Units

CS/IS 212 is designed to provide a thorough coverage of data structures with data abstraction applied to a broad spectrum of practical applications. Students who take this course master the principles of programming as a tool for problem solving. Students solve practical problems in a computer-equipped laboratory using an object oriented programming language, such as JAVA. Some specific topics covered include hash tables, trees, persistent structures, indexed files, and databases. Lecture 2 hours/Laboratory 3 hours. *Prerequisite:* CS/IS 211 or equivalent. Course Typically Offered: Spring (Every Other Year). *Transfer Credit:* CSU, UC, USC

234 INTRODUCTION TO DATABASES AND SQL

3.0 Units

CS/IS 234 introduces students to relational databases and Structured Query Language (SQL) query tool. This course focuses on the design and organization of a specific schema diagram and how to build SQL statements to access the data. This course also focuses on DML (Data Manipulation), DDL (Data Definition), and DCL (Data Control). Note: This course may not be taken for credit by students who have completed CS/IS 232 and/or CS/IS 233. Lecture 2 hours/Laboratory 3 hours. *Recommended Preparation:* CS/IS 101 or CS/IS 241. *Transfer Credit:* CSU, UC, USC

240 CLOUD COMPUTING - FUNDAMENTALS

3.0 Units

CS/IS 240 introduces cloud computing, which shifts Information Technology from on premises computing infrastructure to elastic cloud systems. The course provides a foundation of cloud computing technologies and provides students with the ability to evaluate and assess the business and technical benefits of cloud computing and cloud applications. The course will include labs to provide hands on training. Lecture 2 hours/Laboratory 3 hours. *Recommended Preparation:* CS/IS 190 and CS/IS 197. *Transfer Credit:* CSU, UC, USC. (C-ID ITIS 170)

241 CLOUD COMPUTING - DATABASES ESSENTIALS

3.0 Units

CS/IS 241 Teaches students cloud database implementation and management where students will define, operate and scale both Structured Query language (SQL) servers. The course will include exercises using Amazon Relational Database Service (RDS) and SQL to create and fill tables, retrieve and manipulate data, and will use Amazon DynamoDB for noSQL solutions. This course will provide hands-on labs using cloud database implementation and management. Lecture 2 hours/Laboratory 3 hours. *Recommended Preparation:* CS/IS 240. *Transfer Credit:* CSU, UC, USC. (C-ID ITIS 180)

242 CLOUD COMPUTING - SECURITY

3.0 Units

CS/IS 242 focuses on protecting the confidentiality, integrity and availability of computing systems and data. Students learn how Amazon Web Service (AWS) uses redundant and layered controls, continuous validation and testing, and a substantial amount of automation to ensure the underlying infrastructure is continuously monitored and protected. Students examine the AWS Shared Responsibility Model and access the AWS Management Console to learn more about security tools and features provided by the AWS platform. This course will provide labs to reinforce the course content and practice securing cloud Information Technology. Lecture 2 hours/Laboratory 3 hours. *Recommended Preparation:* CS/IS 240. *Transfer Credit:* CSU, UC, USC. (C-ID ITIS 171)

243 CLOUD COMPUTING - CLOUD DESIGN

3.0 Units

CS/IS 243 teaches students how cloud computing systems are built using a common set of core technologies, algorithms, and design principles centered around distributed systems. The Amazon Web Services (AWS) Management Console will be used to provision, load-balance and scale their applications using the Elastic Compute Cloud (EC2) and the AWS Elastic Beanstalk. The course covers design principals of scalable cloud systems and has hands-on labs on AWS and the department's private cloud server. Lecture 2 hours/Laboratory 3 hours. *Recommended Preparation:* CS/IS 240. *Transfer Credit:* CSU, UC, USC

255 INTRODUCTION TO ECOMMERCE/ EBUSINESS

3.0 Units

CS/IS 255 is a course designed to acquaint the student with Electronic Commerce. This course focuses on the fundamentals of doing business on the Internet. It includes hardware and software requirements, security strategies, payment systems, business strategies and integration with existing business systems. Lecture/Demonstration 3 hours. *Recommended Preparation:* CABOT 206 or equivalent. *Transfer Credit:* CSU

260 INTRODUCTION TO WEB SITE DEVELOPMENT

3.0 Units

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. Lecture 3 hours. **Prerequisite:** None. Course Typically Offered: Fall/Spring/Summer. **Transfer Credit:** CSU

261 WEB DEVELOPMENT WITH PHP AND MYSQL

3.0 Units

CS/IS 261 provides students with training and experience in developing and managing an Internet Web server for business. Students will use an Apache Web Server, create and use MySQL database tables, and program in the PHP (PHP Hypertext Preprocessor) Web programming language to create interactive Web sites. Students will also manage their own Web servers to accomplish their course objectives. Note: Having the ability to type at least 20 wpm is strongly recommended. Lecture/Demonstration 3 hours. **Recommended Preparation:** CS/IS 260 or equivalent. Course Typically Offered: Fall (Every Other Year). **Transfer Credit:** CSU

262 JAVASCRIPT AND JQUERY

3.0 Units

CS/IS 262 is a hands-on course designed to acquaint the student with creating Web scripts and Web scripting libraries. This course focuses on the fundamentals of programming. Students learn to write, debug, and test Web page scripts and functions. Use of JavaScript libraries like jQuery are also included. Lecture/Demonstration 3 hours. **Recommended Preparation:** CS/IS 260 or equivalent. Course Typically Offered: Spring (Every Other Year). **Transfer Credit:** CSU, UC, USC

264 WEB DEVELOPMENT PROJECT I: PLANNING

1.0 Unit

CS/IS 264 is the first of three practical experience-building courses for the Web Development certificate. In this course, the student will complete a thorough Web site plan including site navigation, production charts and storyboards. Note: CSIS 264, 265 & 266 is a three-session sequence which must be taken sequentially as each course builds on the work of the previous course. Laboratory 3 hours. **Prerequisite:** CS/IS 260 or equivalent. Course Typically Offered: Fall/Spring.

265 WEB DEVELOPMENT PROJECT II: CONSTRUCTION

1.0 Unit

CS/IS 265 is the second of three practical experience-building courses for the Web Development certificate. In this course, the student will execute the plans created in CS/IS 264. Industry standard software will be used to build and test the web site. File management and version control techniques will be evaluated. Note: CSIS 264, 265 & 266 is a three-session sequence which must be taken sequentially as each course builds on the work of the previous course. Laboratory 3 hours. **Prerequisite:** CS/IS 264 or equivalent. Course Typically Offered: Fall/Spring.

266 WEB DEVELOPMENT PROJECT III: MAINTENANCE

1.0 Unit

CS/IS 266 is the last of three practical experience-building courses for the Web Development certificate. In this course, the student will focus on the skills needed to maintain a complex Web site. Techniques for site rejuvenation and visitor log evaluation software are also covered. Note: CS/IS 264, 265 & 266 is a three-session sequence which must be taken sequentially as each course builds on the work of the previous course. Laboratory 3 hours. **Prerequisite:** CS/IS 265 or equivalent. Course Typically Offered: Fall/Spring.

270 PYTHON FOR DATA SCIENCE

3.0 Units

CS/IS 270 introduce students to the fundamentals of using Python for Data Science. Students learn Interactive Python and Jupyter Notebook fundamentals and become familiar with popular Python tools and libraries most commonly used in the field of Data Science. Students learn how to use Python libraries such as NumPy, Pandas and Matplotlib to analyze and visualize data. Lecture 2 hours/Laboratory 3 hours. **Recommended Preparation:** CS/IS 151 or equivalent. **Transfer Credit:** CSU. (C-ID ITIS 130)

280 CONCEPTS OF PROGRAMMING LANGUAGES

3.0 Units

CS/IS 280 discusses issues in the design, implementation and use of high-level programming languages, historical background, and how languages reflect different design philosophies and user requirements. Technical issues in the design of major procedural programming languages and other approaches to programming languages, such as functional programming, logic programming, and object oriented programming, are studied. Lecture 3 hours. **Prerequisite:** CS/IS 112 or equivalent. **Recommended Preparation:** CS/IS 135 or equivalent. Course Typically Offered: Spring (Every Other Year). **Transfer Credit:** CSU, UC, USC. (C-ID ITIS 130)

COOPERATIVE EDUCATION

101 WORK EXPERIENCE EDUCATION

1.0 to 3.0 Units

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. Laboratory 3.5-9.5 hours. **Corequisite:** Concurrent enrollment in 7 units, including Cooperative Education. **Recommended Preparation:** ESL 151. **Transfer Credit:** CSU

CULINARY ARTS

48 CULINARY ARTS INTERNATIONAL FIELD STUDIES

1.0 to 3.0 Units

CULIN 48 provides college credit to study, culinary arts 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

50 CULINARY ARTS INTERNSHIP

1.0 to 3.0 Units

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. Laboratory 3-9 hours. *Recommended Preparation:* ENGL C1000 or ESL 141. *Transfer Credit:* CSU

111 FUNDAMENTALS OF PROFESSIONAL COOKING 1

4.0 Units

CULIN 111 provides an introduction and application of the principles of food preparation for the consumer by professionals. The course emphasizes hands-on cooking, tasting and evaluation to teach professional culinary techniques. The course also stresses how ingredients and culinary processes effect product outcome. Lecture 1.5 hours/Laboratory 7.5 hours. *Prerequisite:* None. *Transfer Credit:* CSU. (C-ID NUTR 120)

112 FUNDAMENTALS OF PROFESSIONAL COOKING 2

4.0 Units

CULIN 112 is a continuation of CULIN 111. It is the introduction and application of the principles of food preparation. The course emphasizes high production standards, attractive service, use of proper equipment, and efficient use of time. The course also stresses work simplification, nutrition requirements, and preparation of specialized food. Lecture 1.5 hours/Laboratory 7.5 hours. *Prerequisite:* CULIN 111 or equivalent. *Transfer Credit:* CSU

113 INSTITUTIONAL SANITATION PRACTICES FOR FOODSERVICE AND HOSPITALITY

3.0 Units

CULIN 113 studies sanitation practices as they effect the individual, Institutional and hospitality foodservice operations. It considers the prevention and control of problems encountered through guest and employee experiences. Topics include: how to prevent and control pathogens, safe food handler practices, protecting food through its flow through the establishment, food safety management systems, the Hazard Analysis Critical Control Point (HACCP) system, integrated pest management, employee training, and state and local regulations. Students will use materials from the National Restaurant Association Educational Foundation to complete the ServSafe certification program. Lecture 3 hours. *Recommended Preparation:* ENGL C1000 or ESL 141. *Transfer Credit:* CSU. (C-ID HOSP 110)

116 PURCHASING FOR INSTITUTIONAL FOODSERVICE AND HOSPITALITY

3.0 Units

CULIN 116 examines policies, procedures, and controls and their implementation in purchasing merchandise and supplies for the hospitality industry including equipment, service ware, furniture, fixtures, contract services, and food and beverage. The focus of this course is on optimal procurement, purchasing, and selection policies and procedures for the hospitality industry. Lecture 3 hours. *Recommended Preparation:* ENGL C1000 or ESL 141. *Transfer Credit:* CSU

122 INTERNATIONAL COOKING

3.0 Units

CULIN 122 is an introduction to culinary principles and techniques derived from countries throughout the world. Specific areas of instruction covered include selection of proper equipment and utensils, correct methods of preparation and procedures. Food preparation and presentation are also emphasized. Lecture 3 hours. *Recommended Preparation:* CULIN 113 or equivalent.

124 INTRODUCTION TO BAKING AND PASTRY ARTS

5.0 Units

CULIN 124 is a professional approach to all aspects of the pastry kitchen as related to the food service industry. The course emphasizes the selection and use of typical ingredients and the basics of baking technology. Proper mixing and make up methods are emphasized along with professional production standards. The course is designed to give students an understanding and a working knowledge of the pastry kitchen and bake shop. Lecture 3 hours/Laboratory 6 hours. *Prerequisite:* None.

224 ADVANCED BAKING AND PASTRY ARTS

5.0 Units

CULIN 224 focuses on advanced aspects of baking and pastry for retail pastry shops, hotels, restaurants and catering operations. Students will apply advanced techniques through practical laboratory experience in high-quality pastry production. The focus will be on European-style products, including laminated dough, pastries, cakes, petit fours, fancy desserts, tortes, mousses, chocolate, and confections. Professional techniques and proper use of specialized tools are emphasized. Lecture 3 hours/Laboratory 6 hours. *Prerequisite:* CULIN 124 or equivalent.

DANCE

It is recommended that a variety of activities be taken during a student's attendance at Glendale College. Courses in dance satisfy the physical education requirement. Child Development 158, Dance 100, 102, 107, and 158 do not meet the physical education requirement. All classes are coeducational unless otherwise noted. There are nine families included in Dance. (See page 123 for more information on course families)

- Ballet Technique (Dance 110, 111, 114).
- Modern Dance Technique (Dance 115, 116, 117).
- Jazz Technique (Dance 120, 121, 137).
- American Vernacular Dance (Dance 124, 125, 126, 129).
- Cultural Dance (Dance 101, 127, 128, 133).
- Choreographic Studies (Dance 130, 139).
- Performance Skills (Dance 112, 118, 119, 122).
- Production Studies (Dance 135, 136).
- Movement for Theatre (Dance 140, 145).

49 DANCE INDEPENDENT STUDY

1.0 to 3.0 Units

DANCE 49 provides independent exploration to familiarize students with research techniques, career options, and special academic interests in, dance. 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. Laboratory 3-9 hours. **Corequisite:** Concurrent registration in 6 or more units. Course Typically Offered: Spring. **Transfer Credit:** CSU

50 DANCE INTERNSHIP

1.0 to 3.0 Units

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. Laboratory 3-9 hours. **Prerequisite:** DANCE 107 (DANCE 107 can be taken concurrently). **Recommended Preparation:** ENGL C1000 or ESL 141. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU

100 SURVEY OF DANCE HISTORY

3.0 Units

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. Lecture 3 hours. **Prerequisite:** None. Course Typically Offered: Winter/Spring/Summer/Fall. **Transfer Credit:** CSU, UC, USC

101 INTRODUCTION TO DANCE

1.5 Units

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. Lecture 1 hour/Laboratory 1.5 hours. **Prerequisite:** None. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU, UC, USC. (Cultural Dance Family)

102 MIDDLE EASTERN DANCE HISTORY

3.0 Units

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. Lecture 3 hours. **Prerequisite:** None. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU, UC, USC

107 SURVEY OF DANCE TEACHING METHODOLOGY

3.0 Units

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. Lecture 3 hours. **Prerequisite:** DANCE 101 or equivalent. **Transfer Credit:** CSU, UC

110 BALLET TECHNIQUE I

2.0 Units

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. Lecture 1 hour/Laboratory 3 hours. **Prerequisite:** None. Course Typically Offered: Winter/Spring/Summer/Fall. **Transfer Credit:** CSU, UC, USC. (Ballet Technique Family)

111
BALLET TECHNIQUE II
 2.0 Units

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. Lecture 1 hour/Laboratory 3 hours. *Prerequisite:* DANCE 110 or equivalent. Course Typically Offered: Winter/Spring/Summer/Fall. *Transfer Credit:* CSU, UC, USC. (*Ballet Technique Family*)

112
BALLET PERFORMANCE SKILLS
 1.5 Units

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. Lecture 1 hour/Laboratory 1.5 hours. *Prerequisite:* DANCE 111 or equivalent by audition. *Transfer Credit:* CSU, UC, USC. (*Performance Skills Family*)

114
BALLET TECHNIQUE III
 2.0 Units

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. Lecture 1 hour/Laboratory 3 hours. *Prerequisite:* DANCE 111 or equivalent. Course Typically Offered: Winter/Spring/Summer/Fall. *Transfer Credit:* CSU, UC, USC. (*Ballet Technique Family*)

115
MODERN DANCE TECHNIQUE I
 2.0 Units

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. Lecture 1 hour/Laboratory 3 hours. *Prerequisite:* None. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU, UC, USC. (*Modern Dance Family*)

116
MODERN DANCE TECHNIQUE II
 2.0 Units

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. Lecture 1 hour/Laboratory 3 hours. *Prerequisite:* DANCE 115 or equivalent. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU, UC, USC. (*Modern Dance Family*)

117
MODERN DANCE TECHNIQUE III
 2.0 Units

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. Lecture 1 hour/Laboratory 3 hours. *Prerequisite:* DANCE 116 or equivalent. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU, UC, USC. (*Modern Dance Family*)

118
MODERN DANCE PERFORMANCE SKILLS
 1.5 Units

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. Lecture 1 hour/Laboratory 1.5 hours. *Prerequisite:* DANCE 116 or equivalent by audition. *Transfer Credit:* CSU, UC, USC. (*Performance Skills Family*)

119
HIP-HOP PERFORMANCE SKILLS
 1.5 Units

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. Lecture 1 hour/Laboratory 1.5 hours. *Prerequisite:* DANCE 129 or equivalent. *Transfer Credit:* CSU, UC, USC. (*Performance Skills Family*)

120
JAZZ TECHNIQUE I
 2.0 Units

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. Lecture 1 hour/Laboratory 3 hours. *Prerequisite:* None. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU, UC, USC. (*Jazz Technique Family*)

121
JAZZ TECHNIQUE II
 2.0 Units

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. Lecture 1 hour/Laboratory 3 hours. *Prerequisite:* DANCE 120 or equivalent. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU, UC, USC. (*Jazz Technique Family*)

122
JAZZ PERFORMANCE SKILLS
 1.5 Units

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. Lecture 1 hour/Laboratory 1.5 hours. *Prerequisite:* DANCE 121 or equivalent. (DANCE 121 may be taken concurrently). Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU, UC, USC. (*Performance Skills Family*)

124
HIP-HOP I
 1.5 Units

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. Lecture 1 hour/Laboratory 1.5 hours. *Prerequisite:* None. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU, UC, USC. (*American Vernacular Dance Family*)

**125
TAP DANCE I**
1.5 Units

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. Lecture 1 hour/Laboratory 1.5 hours. **Prerequisite:** None. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU, UC, USC. (*American Vernacular Dance Family*)

**126
TAP DANCE II**
1.5 Units

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. Lecture 1 hour/Laboratory 1.5 hours. **Prerequisite:** DANCE 125 or equivalent. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU, UC, USC. (*American Vernacular Dance Family*)

**127
SALSA I**
1.5 Units

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. Lecture 1 hour/Laboratory 1.5 hours. **Prerequisite:** None. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU, UC, USC. (*Cultural Dance Family*)

**128
MIDDLE EASTERN DANCE**
1.5 Units

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. Lecture 1 hour/Laboratory 1.5 hours. **Prerequisite:** None. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU, UC, USC. (*Cultural Dance Family*)

**129
HIP-HOP II**
1.5 Units

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. Lecture 1 hour/Laboratory 1.5 hours. **Prerequisite:** DANCE 124 or equivalent. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU, UC, USC. (*American Vernacular Dance Family*)

**130
CHOREOGRAPHY I**
1.5 Units

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. Lecture 1 hour/Laboratory 1.5 hours. **Prerequisite:** DANCE 110, DANCE 115, or DANCE 120, or equivalent. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU, UC, USC. (*Choreographic Studies Family*)

**131
COMMERCIAL DANCE**
2.5 Units

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. Laboratory 7.5 hours. **Prerequisite:** DANCE 135 or equivalent. **Transfer Credit:** CSU, UC, USC

**133
SALSA II**
1.5 Units

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. Lecture 1 hour/Laboratory 1.5 hours. **Prerequisite:** DANCE 127 or equivalent or by audition. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU, UC, USC. (*Cultural Dance Family*)

**135
DANCE PRODUCTION-
REPERTOIRE**
2.5 Units

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. Laboratory 7.5 hours. **Prerequisite:** DANCE 116, DANCE 121, or DANCE 122, or equivalent. Course Typically Offered: Fall. **Transfer Credit:** CSU, UC, USC. (*Production Studies Family*)

**136
DANCE PRODUCTION-STUDENT
CHOREOGRAPHY**
2.5 Units

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. Laboratory 7.5 hours. **Prerequisite:** DANCE 116, 121, or 130, or equivalent. Course Typically Offered: Spring. **Transfer Credit:** CSU, UC, USC. (*Production Studies Family*)

**137
JAZZ TECHNIQUE III**
2.0 Units

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. Lecture 1 hour/Laboratory 3 hours. **Prerequisite:** DANCE 121 or equivalent. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU, UC, USC. (*Jazz Technique Family*)

**138
LATIN BALLROOM DANCE**
1.5 Units

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. Lecture 1 hour/Laboratory 1.5 hours. **Prerequisite:** None. **Transfer Credit:** CSU, UC, USC

139 CHOREOGRAPHY II

2.0 Units

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. Lecture 1 hour/Laboratory 3 hours. **Prerequisite:** DANCE 130. **Transfer Credit:** CSU, UC, USC. (*Choreographic Studies Family*)

140 MOVEMENT FOR THEATER I

1.0 Unit

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. Lecture 0.5 hour/Laboratory 1.5 hours. **Corequisite:** T ART 103. **Transfer Credit:** CSU, UC, USC. (*Movement for Theatre Family*)

145 MOVEMENT FOR MUSICAL THEATER

1.5 Units

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. Lecture 1 hour/Laboratory 1.5 hours. **Prerequisite:** None. **Transfer Credit:** CSU, UC, USC

150 PHYSICAL REINTEGRATION

1.5 Units

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. Lecture 1 hour/Laboratory 1.5 hours. **Prerequisite:** None. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU, UC

158 MOVEMENT DEVELOPMENT: BIRTH THROUGH TWELVE YEARS

3.0 Units

DANCE 158 focuses on designing developmentally appropriate creative dance experiences for young children. It provides those students who are interested in teaching movement to children the opportunity to acquire knowledge and techniques related to motor development and use of creative dance to explore subjects across the early childhood and early elementary curriculum. The course introduces basic principles and theories of motor development in children from birth to age twelve, focusing on designing developmentally-appropriate and creative dance experiences for young children. Note: This course will not fulfill physical education activity requirements. Note: Students who previously completed CHLDV 158 are not eligible for credit for completion of DANCE 158. Lecture 3 hours. **Recommended Preparation:** ENGL C1000 or ESL 151, or equivalent. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU

190 BEGINNING YOGA

1.5 Units

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. Lecture 1 hour/Laboratory 1.5 hours. **Prerequisite:** None. **Transfer Credit:** CSU, UC, USC

194 PILATES

1.5 Units

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. Lecture 1 hour/Laboratory 1.5 hours. **Prerequisite:** None. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU, UC, USC

ECONOMICS

48 ECONOMICS INTERNATIONAL FIELD STUDIES

1.0 to 3.0 Units

ECON 48 provides college credit to study economics 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

49 ECONOMICS INDEPENDENT STUDY

1.0 to 3.0 Units

ECON 49 provides independent exploration to familiarize students with research techniques, career options, and special academic interests in economics. 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. Laboratory 3-9 hours. **Corequisite:** Concurrent enrollment in 6 or more units. **Recommended Preparation:** ENGL C1000. **Transfer Credit:** CSU

101 PRINCIPLES OF MICROECONOMICS

3.0 Units

ECON 101 is an introductory course focusing on choices of individual economic decision-makers. Topics include scarcity, specialization and trade, market equilibrium, elasticity, production and cost theory, market structures, factor markets, and market failure. Lecture 3 hours. **Recommended Preparation:** ENGL 100 or ESL 151 and MATH 30 or MATH 90. Course Typically Offered: Fall/Spring/Summer. **Transfer Credit:** CSU, UC, USC. (C-ID ECON 201)

102
PRINCIPLES OF
MACROECONOMICS
 3.0 Units

ECON 102 is an introductory course focusing on aggregate economic analysis. Topics include: market systems, aggregate measures of economic activity, macroeconomic equilibrium, money and financial institutions, monetary and fiscal policy, international economics, and economic growth. Lecture 3 hours. *Recommended Preparation:* ENGL 100 or ESL 151 and MATH 30 or MATH 90. Course Typically Offered: Winter/Spring/Summer/Fall. *Transfer Credit:* CSU, UC, USC. (C-ID ECON 202)

102H
HONORS PRINCIPLES OF
MACROECONOMICS
 3.0 Units

ECON 102H is an introductory course focusing on aggregate economic analysis. Topics include market systems, aggregate measures of economic activity, macroeconomic equilibrium, money and financial institutions, monetary and fiscal policy, international economics, and economic growth. This course is enhanced in one or more of the following ways: students use a macroeconomic computer model to explore macroeconomic policies and explain the theoretical basis of the results achieved in the computer model; students write an essay critically assessing macroeconomic policies relative to different political viewpoints; and students complete writing assignments using critical thinking skills to assess macroeconomic policies. Lecture 3 hours. *Recommended Preparation:* ENGL 100 or ESL 151 and MATH 30 or MATH 90. *Transfer Credit:* CSU, UC, USC. (C-ID ECON 202)

111
ECONOMIC HISTORY OF THE
UNITED STATES
 3.0 Units

ECON 111 is a history of the economic development of the United States from its settlement to the present. Topics include: War of Independence, early national development, institution of slavery, regionalism, reconstruction, labor, the industrial revolution, American internationalism, and growth of service industries. Note: This course may not be taken for credit by students who have completed HIST 116. Lecture 3 hours. *Recommended Preparation:* ENGL 100 or ESL 151, or equivalent. *Transfer Credit:* CSU, UC, USC

127
INTRODUCTORY STATISTICS FOR
ECONOMICS AND BUSINESS
 4.0 Units

ECON 127 is a one-semester course designed for economics, business, and social sciences students whose major requires a course in statistics. Topics in this course include the nature of statistical methods, types of data, introductory probability, sampling theory, experimental design, confidence intervals, hypothesis testing, regression analysis, and decision making. Emphasis is placed on the application of statistical concepts to economic, business and social science data, the development of statistical reasoning, and the interpretation of results in an economic, business, or social science context. Note: This course may not be taken for credit by students who have successfully completed MATH 136. Lecture 4 hours. *Recommended Preparation:* MATH 30 or MATH 90 and ECON 101 or ECON 102. *Transfer Credit:* CSU, UC, USC. (C-ID MATH 110)

170
INTRODUCTION TO GLOBAL
STUDIES
 3.0 Units

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. Lecture 3 hours. *Recommended Preparation:* ENGL C1000, ENGL C1000E, or ENGL C1000H, or equivalent. *Transfer Credit:* CSU, UC, USC

ELECTRONICS &
COMPUTER TECHNOLOGY

50
ECT INTERNSHIP
 1.0 to 3.0 Units

ECT 50 is a self-motivated course which allows students to earn from 1-3 units for structured supervised work off campus under supervision of a faculty advisor. It is designed to provide students with appropriate preparation, a hands-on discipline-linked work experience that will extend their knowledge and understanding of career demands in a field. This course may be offered in all disciplines. Note: Students must arrange an approved internship prior to enrolling in this class. Laboratory 3-9 hours. *Recommended Preparation:* ENGL 100 or ESL 141. *Transfer Credit:* CSU

100
ANALYTICAL ELECTRONICS
 3.0 Units

ECT 100 is designed to offer the student a comprehensive study in the mathematics specifically used in the electronics and computer technology field. Phases covered include application of DC circuit analysis, AC fundamentals, simultaneous equations, AC circuit analysis statistics of numerical data. This class helps in preparing students to pass the Photovoltaic Installer examination and becoming certified by Electronics Technician Association (ETA) International. Lecture 3 hours. *Recommended Preparation:* ENGL 100 or ESL 141.

110
ELECTRICITY AND ELECTRONICS
PRINCIPLES
 4.0 Units

ECT 110 teaches the principles and applications of electricity and electronics. Topics include basic laboratory equipment, various electronics components, and designing/troubleshooting electronic circuit. This course provides students with the knowledge and skills of electricity and electronics and enhances their success in both their present career and/or advanced education in this field. Lecture 3 hours/Laboratory 3 hours. *Recommended Preparation:* ECT 100 and ENGL 100 or ESL 141.

113
PRINTED CIRCUIT BOARDS AND
SOLDERING TECHNOLOGY
 1.5 Units

ECT 113 is a comprehensive course providing functional training in the concepts of high-reliability soldering, solder extraction, and electronics component removal/replacement, including terminal inter-connections using wire-wrap techniques. It covers rework, repair, and specialized high-technology industrial equipment. This course also encompasses rework, repair, and modification of electronic printed circuit boards. Additionally, automated industrial wave solder processes are studied. Lecture 1 hour/Laboratory 1.5 hours. *Recommended Preparation:* ENGL 100 or ESL 141, or equivalent.

160 INSPECTION AND CODES FOR ELECTRICIANS

3.0 Units

ECT 160 is a course designed to introduce the student to the National Electrical Code (NEC) using national, state and local codes. Included in the course are duties of the electrical inspector with emphasis on code enforcement, inspection procedures, plan reading, electrical symbols and terminology. Methods of performing electrical inspections and interpreting electrical systems are based on the current electrical codes and standards. Emphasis will be placed on the importance of safety, asbestos abatement awareness, and anchoring and supporting for earthquake mitigation. Quality workmanship, efficient and well-designed electrical systems, and retrofitting will be emphasized. Lecture 3 hours. *Prerequisite:* ECT 110 or equivalent. *Transfer Credit:* CSU

161 RESIDENTIAL ELECTRONICS SYSTEMS INTEGRATOR (RESI) TRAINING

3.0 Units

ECT 161 is an introduction to the Residential Electronics Systems Integrator (RESI). Topics include the design of prewiring for home theater and telecommunications equipment interconnection, network installation, and wiring for cable television, satellite and antenna outlets, telephone equipment outlets, audio and video entertainment, and computer equipment. Students may become certified by the Electronics Technician Association (ETA) International by passing the knowledge examination assessment and obtaining RESI BASIC skills and knowledge. Lecture 3 hours. *Recommended Preparation:* ECT 110 or equivalent.

162 INTRODUCTION TO SOLAR PRINCIPLES

3.0 Units

ECT 162 covers key aspects of solar power. This class covers the basics of solar energy and prepares the student to enter the job market as a solar technician in sales, installation, or repair. Topics also include the concepts behind installing and troubleshooting solar panels. This class helps in preparing students to pass the Photovoltaic Installer examination and becoming certified by Electronics Technician Association (ETA) International. Lecture 3 hours. *Recommended Preparation:* ECT 110 and MATH 15. *Transfer Credit:* CSU

163 ENERGY MANAGEMENT

3.0 Units

ECT 163 covers key aspects of energy management and prepares students to enter the job market as energy managers and energy professionals. Topics include concepts of greenhouse gas emissions management and energy savings. This class prepares students for passing the Certified Energy Management (CEM) examination and becoming certified by the Association of Energy Engineers (AEE). Lecture 3 hours. *Recommended Preparation:* ECT 100, 110, and MATH 15. *Transfer Credit:* CSU

167 CONTRACTOR'S LICENSE LAW

3.0 Units

ECT 167 covers key legal aspects of contracting. Students learn how to maintain a contractor's license, legal practice, management, construction standards, safety regulations and insurance policies. Topics also include contractor's license law, lien laws, labor code, payroll deductions, organization, estimate and planning principles. Lecture 3 hours. *Recommended Preparation:* ECT 100, ECT 160, and ENGL 100 or ESL 141.

201 SOLID STATE DEVICES

3.0 Units

ECT 201 encompasses the study of Solid-State semiconductor theory, including diode rectifiers, filtered power supplies, transistor and amplifiers, oscillators, and thyristor devices. Students also construct solid-state circuits, and perform circuit analysis and diagnostics of electronic parameters using state-of-the-art digital electronic test equipment. Lecture 3 hours. *Prerequisite:* ECT 110 or equivalent (ECT 110 may be taken concurrently). *Recommended Preparation:* ENGL 100 or ESL 141. *Transfer Credit:* CSU

210 PROGRAMMABLE LOGIC CONTROLLERS (PLC)

3.0 Units

ECT 210 covers Programmable Logic Controller (PLC) operations, including PLC installation and programming techniques. It emphasizes the methods of using the programming interface to troubleshoot applications in industry. The lab activities give the student practical programming and operating skills used in the maintenance of automated systems. Lecture 2 hours/Laboratory 3 hours. *Prerequisite:* ECT 110. *Recommended Preparation:* ENGL 100 or ESL 141. *Transfer Credit:* CSU

EMERGENCY MEDICAL SERVICES

240 FUNDAMENTALS OF PARAMEDIC PRACTICE

3.5 Units

EMS 240 introduces the paramedic student to the advanced practice of prehospital care. Students learn professional behavior, medical ethics, legal issues, patient assessment, therapeutic communication, clinical decision making, and basic and advanced airway management. This course discusses the Emergency Medical Technician's (EMT's) role in the healthcare continuum, professional communication, patient care documentation, Intra-venous (IV) fluid therapy and resuscitation, providing care for people from diverse populations, and the application of evidence-based medicine. This course also includes a brief overview of human anatomy, physiology and pathophysiology. Note: Students will also be doing an Adult ICU Clinical (8 tba hours). Lecture 3 hours/Laboratory 2 hours/TBA 0.5 hours. *Prerequisite:* Current CA EMT Card, and a current American Heart Association (AHA) CPR Card. *Corequisite:* EMS 242 and EMS 244. *Recommended Preparation:* BIOL 120, BIOL 121, and ENGL C1000.

242 PHARMACOLOGY

3.5 Units

EMS 242 introduces the paramedic student to the effects of medication and how it moves through the body. This course includes laws affecting the use and distribution of medications, medication dosing, clinical calculations, routes of administration. The course discusses common medication classifications including conditions and circumstances to use certain medications as indicated and their side effects. The course also discusses diverse populations and various cultural attitudes towards medical interventions. Note: Students will also be doing an Adult ICU Hospital Clinical (8 tba hours). Lecture 3 hours/Laboratory 2 hours/TBA 0.5 hours. *Corequisite:* EMS 240 and EMS 244.

244 MEDICAL EMERGENCIES

3.5 Units

EMS 244 expands on the paramedic student's knowledge to formulate a field impression and implement a treatment plan. This course will cover principles of epidemiology; the branch of medicine which deals with the incidence, distribution, and possible control of diseases and pathophysiology; the disordered physiological processes associated with disease or injury as it relates to common medical emergencies including but not limited to: neurological, thoracic, cardiac, abdominal and gastrointestinal disorders, immunological, infectious diseases, endocrine disorders, psychiatric disorders, toxicological, respiratory, hematological, genitourinary, gynecological, and diseases of the eyes, ears, nose and throat. This course discusses the need to understand how a patient's race, culture, ethnicity, gender, sexual orientation, mental health status, physical and neurological differences can impact how they handle emergencies and respond to treatment. Note: Students will also be doing an Adult ICU Hospital Clinical (8 tba hours). Lecture 3 hours/Laboratory 2 hours/TBA 0.5 hours. **Corequisite:** EMS 240 and EMS 242.

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 and special needs patients. 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. Note: Students will also be doing a Neonatal Intensive Care Hospital Clinical (16 tba hours) and a Pediatric Intensive Care Hospital Clinical (16 tba hours). Lecture 3 hours/Laboratory 2 hours/TBA 2 hours. **Prerequisite:** EMS 240, EMS 242, and EMS 244. **Corequisite:** EMS 248, EMS 250, and EMS 252.

248 CARDIOLOGY

3.5 Units

EMS 248 introduces the student to cardiovascular emergencies and the care of patients presenting with such emergencies. Course topics include: assessment of the cardiovascular system, electrocardiogram (ECG) acquisition and interpretation of various heart dysrhythmias, pathophysiology of cardiovascular disease and treatments (including pharmacology) indicated for presenting disease. Note: Students will also be doing an Adult Cardiac Care Hospital Clinical (16 tba hours). Lecture 3 hours/Laboratory 2 hours/TBA 1 hour. **Prerequisite:** EMS 240, EMS 242, and EMS 244. **Corequisite:** EMS 246, EMS 250, and EMS 252.

250 TRAUMA EMERGENCIES

3.5 Units

EMS 250 expands on the paramedic student's knowledge of trauma emergencies and integrates assessment findings in formulating a field impression and implementing a treatment plan for an injured patient. This course will provide an in-depth evaluation of trauma including; incidence of trauma, trauma systems, types of injury, documentation in trauma, trauma scoring systems, and local trauma center designations. Students will also discuss the impact of physical trauma on patients from diverse backgrounds and experiences and how to treat them. Note: Students will also be doing an Emergency/Trauma Care Hospital Clinical (8 tba hours). Lecture 3 hours/Laboratory 2 hours/TBA 0.5 hours. **Prerequisite:** EMS 240, EMS 242, and EMS 244. **Corequisite:** EMS 246, EMS 248, and EMS 252.

252 PARAMEDIC INTERNSHIP PREP

1.0 Unit

EMS 252 readies the paramedic student to embark on their 480-hour internship, (EMS 260 and 261). The course shows how to implement paramedic concepts and skills techniques used in the field. Students practice patient assessment, treatment, and documentation. This course prepares students to have their uniforms and have proper documentation to begin their internship as a paramedic. The student is paired with an appropriate Advanced Life Support (ALS) agency upon completion of all health files. Lecture 1 hour/Laboratory 1 hour. **Prerequisite:** EMS 240, EMS 242, and EMS 244.

260 PARAMEDIC INTERNSHIP I

4.5 Units

EMS 260 provides the first course of a proctored internship to develop paramedic skills in a field setting. Students perform as members and leaders of an Advanced Life Support (ALS) team. During this phase of the internship, students apply learned skills and abilities in the paramedic course to the assessment and treatment of patients from diverse backgrounds and experiences. Note: This course is Pass/No Pass only. Students must complete 240 clock hours. Laboratory 13.5 hours. **Prerequisite:** EMS 240, EMS 242, EMS 244, EMS 246, EMS 248, EMS 250, and EMS 252.

261 PARAMEDIC INTERNSHIP II

4.5 Units

EMS 261 provides the second course of a proctored internship to develop paramedic skills in a field setting. Students perform as members and leaders of an Advanced Life Support (ALS) team. During this phase of the internship, students apply learned skills and abilities in the paramedic course to the assessment and treatment of patients from diverse backgrounds and experiences. Note: This course is Pass/No Pass only. Student must complete 240 clock hours in the field. Laboratory 13.5 hours. **Prerequisite:** EMS 260.

EMERGENCY MEDICAL TECHNOLOGY

138 EMERGENCY MEDICAL RESPONDER

2.0 Units

NON-DEGREE APPLICABLE

EMT 138 introduces foundational concepts related to the emergency medical care of sick and injured persons. This course is designed for students interested in pursuing emergency medical services (EMS) or other healthcare occupations. Students learn the framework of EMS, as well as the unique challenges of ethical dilemmas and stress management in the emergency setting. Lecture 2 hours. **Prerequisite:** None.

139 INTRODUCTION TO EMERGENCY MEDICAL SERVICES

3.0 Units

EMT 139 expands on teachings of EMT 138 about foundational concepts related to the emergency medical care of sick and injured persons. This course is designed for students interested in pursuing emergency medical services or other healthcare occupations as a career. Students learn the framework of EMS, as well as the unique challenges of ethical dilemmas and stress management in the emergency setting. Successful completion of the class includes certification in cardiopulmonary resuscitation (CPR) for healthcare providers from the American Heart Association (AHA). Note: EMT 139 may not be taken concurrently with EMT 140. Lecture 3 hours. *Recommended Preparation:* BIOL 115 or equivalent. Course Typically Offered: Winter/Spring/Summer/Fall.

140 EMERGENCY MEDICAL TECHNICIAN (EMT)

8.5 Units

EMT 140 is designed to prepare students for certification and employment as an Emergency Medical Technician (EMT) in the state of California. Course material proceeds from introductory theory and practice of emergency medical care through increasingly complex concepts and management of immediate life-threatening situations and emergencies. Critical thinking and decision-making skills are stressed throughout the course. Coursework also includes a Clinical/ride-along component. Upon successful completion of EMT 139 and EMT 140, a course completion certificate is awarded to students who successfully complete the didactic portion of the class with 75% or better and pass the certifying skills exam. Successful completion of the EMT courses provides eligibility to sit for the National Registry EMT exam and apply for certification in the state of California. Note: Student must be eighteen years of age prior to the last day of class. In addition to the scheduled hours, twenty-four hours of ride along must be completed in order to be eligible to pass the class. A material/lab fee may be required for this course. Lecture 6.5 hours/Laboratory 6.0 hours. *Prerequisite:* EMT 139. Course Typically Offered: Fall/Spring.

141 EMERGENCY MEDICAL TECHNICIAN REFRESHER

1.5 Units

NON-DEGREE APPLICABLE

EMT 141 provides established and new educational concepts for the licensed EMT. This course is designed for students interested in re-certifying their state EMT card., and provides the required 24 hours of continuing education required to re-certify as an EMT. Note: Student must have a valid EMT certificate prior to entering. Note: This course is Pass/No Pass only. Lecture 1.5 hours. *Prerequisite:* None.

ENGINEERING

49 ENGINEERING INDEPENDENT STUDY

1.0 to 3.0 Units

ENGR 49 provides well-qualified students with an opportunity to explore a subject in greater depth than usual, to familiarize students with some basic research techniques, to interest students in possible career areas, and to take advantage of special academic interests. Emphasis shall be on individual research projects, library research and preparation of research papers. There is no prescribed course content. Students develop a research project, have it approved by the sponsoring instructor and appropriate division chairperson, then submit the finished project, which may be library research, or perhaps a supervised experimental program related to a specific course of instruction. Registration is open to any student at GCC who is currently registered for 6 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 6 units per division. The units received may be acceptable for college transfer subject to the approval of the individual college. Note: Independent Study are arranged by faculty in the Technology and Aviation Division. This course may be taken 3 times; a maximum of 9 units may be earned. Laboratory 3-9 hours. *Corequisite:* Concurrent registration in 6 or more units. *Transfer Credit:* CSU

50 ENGINEERING INTERNSHIP

1.0 to 3.0 Units

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. Laboratory 3-9 hours. *Recommended Preparation:* ENGL C1000 or ESL 141. *Transfer Credit:* CSU

100 INTRODUCTION TO ENGINEERING

3.0 Units

ENGR 100 provides students with an understanding of the academic and professional attitudes, behaviors and skills necessary to enhance their ability to succeed as an engineering major. The general definition of engineering as well as the job functions of various engineering disciplines of engineering are examined. Working effectively in teams, goal setting, time management, self-improvement, methods of learning, and development of oral and written technical communication skills are practiced. Students are introduced to the campus resources available to engineering majors and learn how to orient themselves to the science and engineering educational system. Instruction includes an introduction to the methods and tools of engineering problem solving and design including the interface of the engineer with society and engineering ethics. Lecture 3 hours. *Prerequisite:* None. *Transfer Credit:* CSU, UC, USC. (C-ID ENGR 110)

**101
ENGINEERING DRAFTING AND
BASIC DESIGN****3.0 Units**

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. Lecture 1.5 hours/Laboratory 4.5 hours. **Recommended Preparation:** ENGL C1000 or ESL 151, or equivalent. **Transfer Credit:** CSU, UC, USC

**102
ENGINEERING PRINT READING
FOR INDUSTRY****3.0 Units**

ENGR 102 covers the fundamentals of orthographic drawings for visualizing and interpreting engineering print drawings. Students developing skills in welding, machining, manufacturing and computer aided design (CAD) may benefit from this course. Drawing types, symbols, SI and U.S. Customary unit systems, terminology and industry standards such as ASME Y14.5, geometric dimensioning and tolerancing (GD and T) are covered. Lecture 3 hours. **Recommended Preparation:** ENGL C1000 or ESL 151, or equivalent. **Transfer Credit:** CSU

**109
COMPUTER AIDED DESIGN
AUTOCAD I****3.0 Units**

ENGR 109 is an activity based course in two-dimensional computer-aided design using AutoCAD software. Students learn and practice tools to create and edit drawings in accordance with industry standards. Topics include object construction, object properties, layers, orthographic projections, auxiliary views, sectioning, parametric tools, basic dimensioning, templates, plotting and the application of geometric dimensioning and tolerancing. Lecture 1.5 hours/Laboratory 4.5 hours. **Prerequisite:** ARCH 101, ENGR 101, or ENGR 122, or equivalent. **Transfer Credit:** CSU, UC, USC

**110
COMPUTER AIDED DESIGN
AUTOCAD II****3.0 Units**

ENGR 110 is an advanced course in computer aided design. Advanced techniques and concepts of computer-aided design (CAD) will be practiced with an emphasis on three-dimensional design and modeling for architectural, construction and engineering applications. Students completing this course typically demonstrate strong computer-aided-design skills applicable to employment as a CAD technician or technologist. Lecture 1.5 hours/Laboratory 4.5 hours. **Prerequisite:** ENGR 109 or equivalent. **Transfer Credit:** CSU, UC, USC

**111
COMPUTER AIDED DESIGN
SOLIDWORKS I****3.0 Units**

ENGR 111 is a basic course in engineering, drafting and design, utilizing SOLIDWORKS software, with an emphasis on three-dimensional design, modeling, and engineering applications. Students learn the fundamentals of parametric modeling by creating parts, drawings and assemblies through industry based projects and activities. This course has applications in manufacturing, aerospace, automotive, and mechanical engineering design. Lecture 1.5 hours/Laboratory 4.5 hours. **Prerequisite:** ENGR 101 or ENGR 122, or equivalent. **Transfer Credit:** CSU

**112
COMPUTER AIDED DESIGN
SOLIDWORKS II****3.0 Units**

ENGR 112 teaches the advanced concepts of the SOLIDWORKS software, its use as a mechanical engineering design and manufacturing tool, and the ability to fabricate, design, and create parts and assemblies. Topics include mechanical design modeling in the 3D environment, complex solid and surface modeling, digital input and output, analysis, and integrating SOLIDWORKS with other Computer Aided Design (CAD) and Computer Aided Manufacturing (CAM) programs for a productive design workflow. Lecture 1.5 hours/Laboratory 4.5 hours. **Prerequisite:** ENGR 111 or equivalent. **Transfer Credit:** CSU

**117
INTRODUCTION TO ENGINEERING
TECHNOLOGY****3.0 Units**

ENGR 117 explores the professional activities and working environment of engineering technology, which is an emerging, hands-on discipline of applied engineering. The role of engineering technology in industry, the history of technology, and the future of the profession of engineering and engineering technology are covered. Students learn specific technical skills and tool use in this activity-based course. Safety and environmental sustainability concerns as well as the effects of technology on society are taught in a collaborative project-based class environment. Lecture 2 hours/Laboratory 3 hours. **Recommended Preparation:** ENGL C1000 or ESL 141 and MATH 100. **Transfer Credit:** CSU

**120
3D PRINTING AND MODELING****2.0 Units**

ENGR 120 provides students with the basic knowledge of 3D printing (i.e., additive manufacturing; rapid prototyping) and modeling, as well as its impact within the engineering and manufacturing community. Students have the opportunity to explore the interaction between computer aided design (CAD), computer aided manufacturing (CAM), and additive manufacturing systems by participating in the design and prototyping of an actual part using the latest 3D printers. Lecture 1 hour/Laboratory 3 hours. **Recommended Preparation:** ENGR 111 or ENGR 122, ENGL C1000 or ESL 141, and MATH 100. **Transfer Credit:** CSU

122 ENGINEERING GRAPHICS

3.0 Units

ENGR 122 presents the fundamental principles of engineering graphical communication and drawing using computer aided design (CAD) software as an integral teaching and learning methodology. Students develop 3-D visualization and spatial acuity skills in practical applications of descriptive geometry. Topics include orthographic projection, glass box theory, auxiliary views, sectioning, dimensioning, and geometric dimensioning and tolerancing (GD&T) as well as the engineering design process. Theory and practice of engineering graphics is taught using two professional CAD software packages, typically AutoCAD and SOLIDWORKS. Students develop skills in both 2-D and 3-D CAD modeling. Note: This course may not be used as a substitute for any computer aided design course in the Engineering Technology - CAD Drafting & Design certificate program. Lecture 2 hours/Laboratory 3 hours. **Prerequisite:** MATH 110 or 110B or equivalent. **Transfer Credit:** CSU, UC, USC. (C-ID ENGR 150)

125 PROGRAMMING CONCEPTS AND METHODOLOGIES FOR ENGINEERS

4.0 Units

ENGR 125 teaches the application of structured programming concepts for engineering problems. Topics include practical mechanics, electronics, robotics, as well as the design, reduction and analysis of experimental data using high level languages. Required for electrical and computer engineering majors, students learn to program and control engineering devices and sensors that interface with the physical world. The interaction between computer programming and the physical world is a major focus of the course. Note: This course may not be used to meet the requirements of any computer science program. Lecture 3 hours/Laboratory 3 hours. **Prerequisite:** MATH 103E **Recommended Preparation:** ESL 151, or equivalent. **Transfer Credit:** CSU, UC, USC. (C-ID ENGR 120)

130 INTRODUCTION TO ROBOTICS

2.0 Units

ENGR 130 provides an introductory study of the fundamentals of mobile robotics, robotic arms, and the associated engineering concepts. It prepares students for more advanced studies in robotics and related technologies. Students gain experience with fundamental concepts in robot design, sensors and actuators, programming, electronics, and computer aided design and 3D printing. The vast majority of the course experience consists of implementation of and experimentation with these skills through hands-on labs. Lecture 1 hour/Laboratory 3 hours. **Recommended Preparation:** ENGL C1000 or ESL 141 and MATH 100. **Transfer Credit:** CSU

132 INTRODUCTION TO DIGITAL ELECTRONICS

4.0 Units

ENGR 132 provides an introduction to the basic concepts and theory of digital electronics. Binary number system is covered along with Boolean functions and their simplification. Combinational and sequential logic and digital system design using simulation software is included. Students also learn how to build, test, and analyze simple digital circuits in the laboratory, using test equipment such as power supply, multimeter, signal/function generator, and oscilloscope. Lecture 3 hours/Laboratory 3 hours. **Recommended Preparation:** MATH 102 or 110. **Transfer Credit:** CSU, UC, USC

133 INTRODUCTION TO ENGINEERING DESIGN

3.0 Units

ENGR 133 introduces students to the engineering design process through engineering design projects. A multidisciplinary approach uses computer-aided design and modeling as well as hand and machine tools and testing instruments. Students work in teams on relevant projects that are modeled on professional engineering design practices and offer a practical experience of hands-on engineering work. Lecture 2 hours/Laboratory 3 hours. **Prerequisite:** PHY 101 and ENGR 100. **Transfer Credit:** CSU, UC, USC

140 MATERIALS SCIENCE AND ENGINEERING

3.0 Units

ENGR 140 examines the internal structures of materials and their subsequent behaviors used in engineering applications, including metals, ceramics, polymers, composites and semiconductors. Students learn how to select appropriate materials to meet engineering design criteria and to understand the effects of heat, mechanical stress, imperfections, and chemical environments on material properties and performance. Note: ENGR 141 (Materials Science and Engineering Laboratory) may be required for full articulation. Lecture 3 hours. **Prerequisite:** CHEM 101 and PHY 101. **Transfer Credit:** CSU, UC, USC. (C-ID ENGR 140)

141 MATERIALS SCIENCE AND ENGINEERING LABORATORY

1.0 Unit

ENGR 141 engages the relationships between the internal structures of materials and their subsequent behaviors and material properties. Using experimental equipment and laboratory report writing activities, students directly observe and analyze the characteristics of engineering materials related to the lecture course ENGR 140 (Materials Science and Engineering). Note: ENGR 141 Materials Science Laboratory should be taken concurrently with ENGR 140 and may be required for articulation to CSU's and UC's. Laboratory 3 hours. **Prerequisite:** CHEM 101 and PHY 101. **Corequisite:** ENGR 140. **Transfer Credit:** CSU, UC, USC. (C-ID ENGR 140L)

152 ENGINEERING MECHANICS - STATICS

3.0 Units

ENGR 152 covers the composition and resolution of co-planar and non-planar force systems, equilibrium of rigid bodies, distributed forces, forces in trusses, frames and cables, shear and bending moments in beams, and moments of inertia of areas and bodies. Lecture 3 hours. **Prerequisite:** PHY 101 and MATH 104E. **Transfer Credit:** CSU, UC, USC. (C-ID ENGR 130)

**156
PROGRAMMING AND PROBLEM-
SOLVING IN MATLAB****3.0 Units**

ENGR 156 provides an introduction to MATLAB to provide students with a working knowledge of computer based problem-solving methods with applications for science and engineering. It introduces the fundamentals of procedural and object-oriented programming, numerical analysis, and data structures. Students gain experience working with MATLAB toolboxes and with development and debugging of programs using MATLAB and Simulink. Examples and assignments in the course are drawn from practical applications in engineering, physics, and mathematics. Lecture 2 hours/Laboratory 3 hours. *Prerequisite:* MATH 103E or equivalent. *Transfer Credit:* CSU, UC, USC. (C-ID ENGR 120)

**180
SURVEYING****3.0 Units**

ENGR 180 covers the theory, principles, and practice of plane surveying and includes office computations and design, operation of surveying field equipment, and production of engineering plans and maps. Topics include measurement of distances, angles, and directions, differential leveling, traversing, property and boundary surveys. Students learn topographic surveying and mapping, volume and earthwork calculations, horizontal and vertical curves, land description techniques and global positioning system (GPS). Students may transfer this course to a university civil engineering program or apply it toward a technical career as a land surveyor. Note: ENGR 180 requires significant field work that is conducted on campus during the lab hours. Lecture 2 hours/Laboratory 3 hours. *Prerequisite:* MATH 110 or 110B or equivalent. *Transfer Credit:* CSU. (C-ID ENGR 180)

**230
DYNAMICS****4.0 Units**

ENGR 230 covers the fundamentals of kinematics and kinetics of particles and rigid bodies. Topics include: kinematics of particle motion; Newton's second law, work-energy and momentum methods; kinematics of planar motions of rigid bodies; work-energy and momentum principles for rigid body motion as well as an introduction to mechanical vibrations. Lecture 4 hours. *Prerequisite:* ENGR 152 or equivalent. *Transfer Credit:* CSU, UC, USC. (C-ID ENGR 230)

**240
ELECTRICAL ENGINEERING
FUNDAMENTALS****4.0 Units**

ENGR 240 introduces the theory and analysis of electrical circuits and is a *Prerequisite* course for many electrical engineering transfer pathways as well as a required course for nearly all engineering disciplines, including mechanical, computer, aerospace, manufacturing engineering and some civil engineering programs. Students learn basic circuit elements such as resistors, capacitors, inductors, operational amplifiers, circuit theorems, direct and alternating current circuits, forced and natural responses of simple circuits, sinusoidal steady state analysis and the use of computer-aided circuit analysis programs. Lecture 3 hours/Laboratory 3 hours. *Prerequisite:* PHY 102 and MATH 105. *Corequisite:* MATH 108 *Transfer Credit:* CSU, UC, USC. (C-ID ENGR 260)

**241
STRENGTH OF MATERIALS****4.0 Units**

ENGR 241 is the application of mechanics to determine the effect of forces and torques on materials. Students apply this knowledge to the design of load bearing components. The course covers the following topics: stress, strain, axial loading, torsion, flexural stresses, transverse shear stress, horizontal shear stresses, stress transformations, Mohr's circle, thin-walled pressure vessels, ductile and brittle failure theories, shear and bending moment diagrams, stresses in a beam, methods of superposition, and elastic strain energy. Statically indeterminate systems are studied using Castigliano's theorem. Lecture 4 hours. *Prerequisite:* ENGR 152 or equivalent. *Transfer Credit:* CSU, UC, USC. (C-ID ENGR 240)

**298
UNDERGRADUATE RESEARCH IN
ENGINEERING I****3.0 Units**

ENGR 298 is a research and design course where diverse groups of students collaborate professionally to research and design an engineering product or process solving a real-world engineering problem tied to contemporary societal needs. Emphasis is placed on projects that help people by engaging multidisciplinary topics such as robotics, biomedical, and environmental engineering and sustainability. Typically, students learn technical and collaborative communication skills and publish academic papers or posters at local conferences. Lecture 1.5 hours/Laboratory 4.5 hours. *Prerequisite:* ENGR 122, ENGR 125, ENGR 133, ENGR 140, ENGR 152, ENGR 156, or ENGR 111, or equivalent. *Transfer Credit:* CSU

ENGLISH**48****ENGLISH INTERNATIONAL FIELD
STUDIES****1.0 to 3.0 Units**

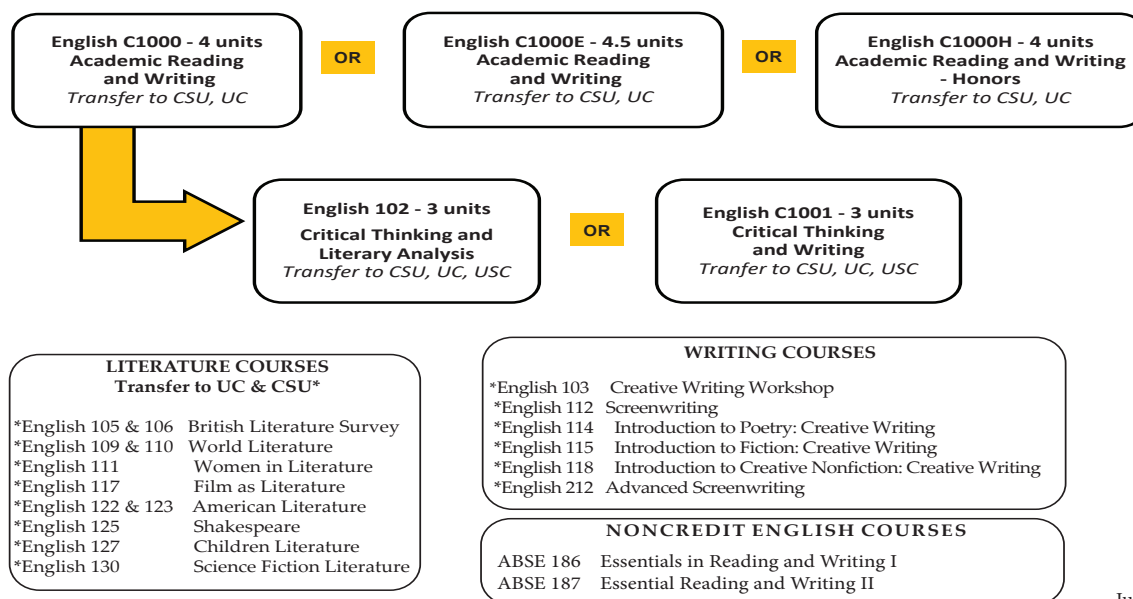
ENGL 48 provides college credit for travel and study in foreign countries at the student's own expense in programs provided by agencies approved in advance by the College and under the direction of a Glendale Community College instructor. Note: This course may be taken 4 times; a maximum of 12 units may be earned. Each repetition must be in a different country and/or area of the world and/or different theme. Lecture 1-3 hours. *Corequisite:* Concurrent registration in 6 or more units or equivalent. *Transfer Credit:* CSU

49**ENGLISH INDEPENDENT STUDY****1.0 to 3.0 Units**

ENGL 49 provides motivated students with an opportunity to explore a subject in greater depth, to familiarize students with some basic research techniques, to interest students in possible career areas, and to take advantage of special academic interests. Emphasis is on individual research projects, library research, and preparation of research papers. There is no prescribed course content. Students develop a research project, have it approved by the sponsoring instructor and appropriate division chairperson, then submit the finished project, which may be library research, or perhaps a supervised experimental program related to a specific course of instruction. Note: Registration is open to any student at GCC who is currently registered for 6 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 6 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. Laboratory 3-9 hours. *Corequisite:* Concurrent registration in 6 or more units. *Transfer Credit:* CSU

ENGLISH COURSE SEQUENCE

All students who have not taken an English course at Glendale Community College or another accredited college or have a qualifying AP English score are required to complete the English placement process prior to enrolling in any English course.



June 2025

C1000 ACADEMIC READING AND WRITING

4.0 Units

(Previously ENGL 101)

In this course, students receive instruction in academic reading and writing, including writing processes, effective use of language, analytical thinking, and the foundations of academic research. Students also learn to position their ideas in relation to the ideas of others by developing skills in argumentation, source integration, analysis of evidence, information literacy, and citing according to academic conventions. Students generate original ideas through writing and revise their work according to audience expectations. Note: This course was previously ENGL 101. Lecture 4 hours. **Prerequisite:** Placement as determined by the college's multiple measures assessment process. Course Typically Offered: Winter/Spring/Summer/Fall. **Transfer Credit:** CSU, UC, USC. (C-ID ENGL 100)

C1000E ACADEMIC READING AND WRITING

4.5 Units

(Previously ENGL 101+)

In this course, students receive instruction in academic reading and writing, including writing processes, effective use of language, analytical thinking, and the foundations of academic research. This course includes embedded support. Students also learn to position their ideas in relation to the ideas of others by developing skills in argumentation, source integration, analysis of evidence, information literacy, and citing according to academic conventions. Students generate original ideas through writing and revise their work according to audience expectations. Note: This course was previously ENGL 101+. Lecture 4 hours/Laboratory 1.5 hours. **Prerequisite:** Placement as determined by the college's multiple measures assessment process. **Transfer Credit:** CSU, UC. (C-ID ENGL 100)

C1000H ACADEMIC READING AND WRITING - HONORS

4.0 Units

(Previously ENGL 101H)

In this course, students receive instruction in academic reading and writing, including writing processes, effective use of language, analytical thinking, and the foundations of academic research. This is an honors course. Students also learn to position their ideas in relation to the ideas of others by developing skills in argumentation, source integration, analysis of evidence, information literacy, and citing according to academic conventions. Students generate original ideas through writing and revise their work according to audience expectations. The honors course will be enhanced in one or more of the following ways: 1. Accelerated standards of reading levels, emphasizing primary sources. 2. Accelerated standards of critical thinking including critical writing and problem-centered research. Note: This course was previously ENGL 101H. Lecture 4 hours. **Prerequisite:** Placement as determined by the college's multiple measures assessment process. **Transfer Credit:** CSU, UC, USC. (C-ID ENGL 100)

**102
CRITICAL THINKING AND
LITERARY ANALYSIS****3.0 Units**

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. Lecture 3 hours. **Prerequisite:** ENGL C1000 or equivalent. Course Typically Offered: Winter/Spring/Summer/Fall. **Transfer Credit:** CSU, UC, USC. (C-ID ENGL 120)

**102H
HONORS CRITICAL THINKING AND
LITERARY ANALYSIS****3.0 Units**

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. Lecture 3 hours. **Prerequisite:** ENGL C1000 or equivalent. **Transfer Credit:** CSU, UC, USC. (C-ID ENGL 120)

**103
CREATIVE WRITING WORKSHOP****3.0 Units**

ENGL 103 consists of an introduction to the theory and practice of creative verbal expression in the major imaginative literary forms: (1) non-fiction and fiction prose, (2) poetry, and (3) drama. Emphasis is placed on step by step instruction in creating the finished piece of writing, with much group discussion of student writing. Lecture 3 hours. **Recommended Preparation:** ENGL C1000 or ESL 151, or equivalent. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU, UC, USC. (C-ID ENGL 200)

**C1001
CRITICAL THINKING AND WRITING****3.0 Units**

(Previously ENGL 104)

In this course, students receive instruction in critical thinking for purposes of constructing, evaluating, and composing arguments in a variety of rhetorical forms, using primarily non-fiction texts, refining writing skills and research strategies developed in ENGL C1000 College Reading and Writing (C-ID ENGL 100) or similar first-year college writing course. Students gain a more advanced understanding of the selection of textual evidence, rhetoric, and the relationship between language and logic. Note: This course was previously ENGL 104. Lecture 3 hours. **Prerequisite:** College-level composition (ENGL C1000/C-ID ENGL 100) or equivalent. Course Typically Offered: Winter/Spring/Summer/Fall. **Transfer Credit:** CSU, UC, USC. (C-ID ENGL 105)

**105
SURVEY OF ENGLISH
LITERATURE FROM ANGLO-
SAXON PERIOD TO 1780****3.0 Units**

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. Lecture 3 hours. **Recommended Preparation:** ENGL C1000 or ESL 151, or equivalent. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU, UC, USC. (C-ID ENGL 160)

**106
SURVEY OF ENGLISH
LITERATURE FROM 1780 TO THE
PRESENT TIME****3.0 Units**

ENGL 106 is a survey course covering the development of English Literature from 1780 to the present time. English 106 continues the study of the development of thought as an expression of cultural heritage of the English-speaking world and showcases the transforming influences of many world cultures' thought and language traditions on its literature. Lecture 3 hours. **Recommended Preparation:** ENGL C1000 or ESL 151, or equivalent. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU, UC, USC. (C-ID ENGL 165)

**109
INTRODUCTION TO WORLD
LITERATURE FROM ANCIENT
TIMES TO 1700****3.0 Units**

ENGL 109 is a comparative study of selected works, both composed in English, and translated to English, of literature from around the world, including Europe, the Middle East, Asia, and other areas, from antiquity to the mid or late seventeenth century. The course may include selections from The Ramayana, Shahnameh, Popol Vuh, Rumi, The Decameron, and The Thousand and One Nights. Emphasis is placed upon the classics. Lecture 3 hours. **Recommended Preparation:** ENGL 100 or ESL 151. Course Typically Offered: Fall. **Transfer Credit:** CSU, UC, USC. (C-ID ENGL 140)

**110
INTRODUCTION TO WORLD
LITERATURE FROM 1700 TO THE
PRESENT TIME****3.0 Units**

ENGL 110 is a comparative study of literary works from around the world from the mid seventeenth century to the present with an emphasis on non-western literary and cultural traditions, including Central and South America, the Middle East, Africa, and Asia. Students explore important themes of cultural and literary history, such as women and sexism, slavery and racism, and alienation in the modern world based on social class, ethnicity, and sexual orientation. The selection of literary texts reflects a diversity of traditionally underrepresented voices and the struggles of oppressed and marginalized human beings. Lecture 3 hours. **Recommended Preparation:** ENGL 100 or ESL 151. Course Typically Offered: Spring. **Transfer Credit:** CSU, UC, USC. (C-ID ENGL 145)

111 WOMEN IN LITERATURE

3.0 Units

ENGL 111 is a comparative study of the roles assigned to women in literature by both male and female authors. The course critically examines the literary and cultural stereotypes of women in the short story, novel, poetry, and drama. Lecture 3 hours. **Recommended Preparation:** ENGL 100 or ESL 151. Course Typically Offered: Fall. **Transfer Credit:** CSU, UC, USC

112 INTRODUCTION TO SCREENWRITING

3.0 Units

ENGL 112 is a basic introductory course in narrative script writing for film and episodic television. Emphasis is placed upon the essentials of screenplay structure, characters, conflict, theme, and technical script formatting in the development of a short screenplay. Note: This course may not be taken for credit by students who have completed FTVM 112. Lecture 3 hours. **Recommended Preparation:** ENGL C1000 or ESL 151, or equivalent. Course Typically Offered: Fall. **Transfer Credit:** CSU, UC, USC

114 INTRODUCTION TO POETRY: CREATIVE WRITING

3.0 Units

ENGL 114 invites students to continue the study of creative writing through in-depth exploration of the craft, theory, and practice of writing poetry. How do structure, style, poetic form, identity, and experience inform poetry? How do poets employ different forms, such as lyric, narrative, prose, and experimental forms? In this class, students compose their own poems in addition to reading, discussing, and writing about contemporary poems representing a diverse variety of writers with different backgrounds, approaches, and styles. Lecture 3 hours. **Recommended Preparation:** ENGL 103. Course Typically Offered: Spring. **Transfer Credit:** CSU, UC, USC

115 INTRODUCTION TO FICTION: CREATIVE WRITING

3.0 Units

ENGL 115 introduces students to the craft, theory, and practice of writing fiction. How do writers craft short stories and novels? How do the structural, stylistic, and thematic elements, as well as identity and experience, inform narrative? In this class, students compose their own works of fiction in addition to reading, discussing, and writing about contemporary fictional works representing a diverse variety of writers with different backgrounds, approaches, and styles. Lecture 3 hours. **Recommended Preparation:** ENGL 103. Course Typically Offered: Fall. **Transfer Credit:** CSU, UC, USC

117 FILM AS LITERATURE

3.0 Units

ENGL 117 is the study of film as literature from thematic, cultural, historical, and aesthetic perspectives. Students are encouraged to incorporate analytical perspectives from literary and film criticism into discussion and written work. Lecture 3 hours. **Recommended Preparation:** ENGL 100 or ESL 151, or equivalent. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU, UC, USC

118 INTRODUCTION TO CREATIVE NONFICTION: CREATIVE WRITING

3.0 Units

ENGL 118 introduces students to the craft, theory, and practice of writing creative nonfiction. How do writers explore nonfiction through different forms, such as memoir, literary journalism, profiles, and flash, lyric, or researched essays? How do identity and experience inform nonfiction writing? In this class, students compose their own works of creative nonfiction in addition to reading, discussing, and writing about contemporary nonfiction representing a diverse variety of writers with different backgrounds, approaches, and styles. Lecture 3 hours. **Recommended Preparation:** ENGL 103. **Transfer Credit:** CSU, UC, USC

122 AMERICAN LITERATURE TO 1865

3.0 Units

ENGL 122 introduces students to a large range of works by major American writers, as well as to works by minor American writers representing marginalized voices in the United States, from pre-Colonial times to the Civil War. The course relates these works to the history of ideas developing contemporarily in the United States. Through a careful analysis of important historical movements, students will gain an increased understanding of America's heritage. Lecture 3 hours. **Recommended Preparation:** ENGL C1000 or ESL 151, or equivalent. Course Typically Offered: Fall. **Transfer Credit:** CSU, UC, USC. (C-ID ENGL 130)

123 AMERICAN LITERATURE FROM 1865 TO THE PRESENT

3.0 Units

ENGL 123 introduces students to a broad range of American authors and their relationships to major literary and intellectual movements that comprise an evolving national literature and inform ideas of what it is to be American. This course provides a generous sample of the works of both well-known and underrepresented American writers from the Civil War to the present moment. Lecture 3 hours. **Recommended Preparation:** ENGL C1000 or ESL 151 or equivalent. Course Typically Offered: Spring. **Transfer Credit:** CSU, UC, USC. (C-ID ENGL 135)

125 SHAKESPEARE

3.0 Units

ENGL 125 is an introduction to the works of Shakespeare, including his histories, comedies, tragedies, problem plays, and sonnets, examining texts and identifying the conventions of each genre. Students focus on the plays both as literature to be analyzed and as theatrical scripts to be performed. Students consider the historical context in which they were created, and analyze Elizabethan, Jacobean and contemporary productions of the plays, as well as intertextual and post-colonial replies to Shakespeare's work. The course includes critical theory and secondary source research. Lecture 3 hours. **Recommended Preparation:** ENGL C1000 or ESL 151, or equivalent. Course Typically Offered: Fall. **Transfer Credit:** CSU, UC, USC

127
CHILDREN'S LITERATURE
3.0 Units

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. Lecture 3 hours. **Recommended Preparation:** ENGL C1000 or ESL 151, or equivalent. Course Typically Offered: Spring. **Transfer Credit:** CSU, UC, USC. (C-ID ENGL 180)

130
SCIENCE FICTION LITERATURE
3.0 Units

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. Lecture 3 hours. **Recommended Preparation:** ENGL C1000 or ESL 151, or equivalent. **Transfer Credit:** CSU, UC, USC

212
ADVANCED SCREENWRITING
3.0 Units

ENGL 212 is an advanced course in narrative script writing for film. Emphasis is placed on character creation, story development, and three act structure. Students will develop story scenarios, choose one to outline as a feature film, and write Act One in screenplay format. Note: This course may not be taken for credit by students who have completed FTVM 212. Lecture 3 hours. **Prerequisite:** FTVM 112, ENGL 112, or FTVM 120. Course Typically Offered: Spring (Odd Years Only). **Transfer Credit:** CSU, UC, USC

298
UNDERGRADUATE RESEARCH IN PROFESSIONAL WRITING
1.0 to 3.0 Units

ENGL 298 is intended to give undergraduate students hands-on experience in academic research while working collaboratively on projects within specific themes relating to professional pathways in English and Humanities. It allows the student to develop his or her critical thinking and writing skills to the level of proficiency required to complete original scholarly and professional research for possible submission and presentation, such as at a conference. Students will receive instruction in advanced research and in the process of writing and revising professional work. Students are expected to apply research analysis techniques and concepts learned in previous English classes, and to use their problem-solving skills in carrying out assigned projects. Students will be required to present the results of their research to the campus/to a group of faculty. Lecture 1-3 hours. **Prerequisite:** ENGL C1000. **Recommended Preparation:** ENGL 102 or C1001. **Transfer Credit:** CSU

298H
HONORS UNDERGRADUATE RESEARCH IN PROFESSIONAL WRITING
1.0 to 3.0 Units

ENGL 298H is intended to give undergraduate students hands-on experience in academic research while working collaboratively on projects within specific themes relating to professional pathways in English and Humanities. It allows the student to develop his or her critical thinking and writing skills to the level of proficiency required to complete original scholarly and professional research for possible submission and presentation, such as at a conference. Students will receive instruction in advanced research and in the process of writing and revising professional work. Students are expected to apply research analysis techniques and concepts learned in previous English classes, and to use their problem-solving skills in carrying out assigned projects. Students will be required to present the results of their research to the campus/to a group of faculty. The honors course will be enhanced in one or more of the following ways: 1. Accelerated standards of reading levels, emphasizing primary and conceptual sources 2. Accelerated standards of critical thinking, including critical writing and problem-centered research 3. Emphasis on types or schools of literary criticism, including professional models of such. Lecture 1-3 hours. **Prerequisite:** ENGL C1000. **Recommended Preparation:** ENGL 102 or C1001. **Transfer Credit:** CSU

ENGLISH AS A SECOND LANGUAGE

The Credit ESL Program prepares students for academic and work life in the United States. The various writing, reading, and listening and speaking classes in the program prepare students to strengthen their communication skills through reading, writing, listening, speaking and/or conversing and/or debating, and interpersonal interactions. ESL students learn to listen, understand, debate and express themselves clearly and concisely to others, as well as, using information communicated by others.

111
GRAMMAR AND WRITING I
5.0 Units
NON-DEGREE APPLICABLE

ESL 111 focuses on grammar and composition for students at the beginning level of academic English as a second language. This course provides instruction in vocabulary, basic grammar, sentence structure, and writing. Students write one-paragraph compositions of 100-150 words in length. The course stresses the correct use of a variety of grammatical structures and verb tenses within compositions. Lecture 5 hours. **Prerequisite:** Placement is based on a composite of test scores and academic background. **Recommended Corequisites:** ESL 115 and ESL 116. Course Typically Offered: Fall/Spring.

115
LISTENING AND SPEAKING I
4.0 Units
NON-DEGREE APPLICABLE

ESL 115 introduces Credit ESL students to effective communication skills in academic English. Students practice various listening comprehension strategies, oral communication skills, and standard American pronunciation. Lecture 4 hours. **Prerequisite:** Placement is based on ESL Self Placement Survey. **Recommended Corequisite:** Concurrent enrollment in an appropriate Credit ESL grammar and writing course and Credit ESL reading and vocabulary course. Course Typically Offered: Fall/Spring.

116 READING AND VOCABULARY FOR ESL I STUDENTS

3.0 Units

NON-DEGREE APPLICABLE

ESL 116 is designed to help beginning Credit ESL students read academic passages. The course places heavy emphasis on academic interdisciplinary vocabulary development. Students use various strategies to improve their reading comprehension about subjects that focus on global awareness, social justice and socio-cultural identities. Lecture 3 hours. **Prerequisite:** Placement is based on ESL Self Placement Survey. **Recommended Preparation:** Concurrent enrollment in an appropriate Credit ESL listening and speaking course and a Credit ESL grammar and writing course. Course Typically Offered: Fall/Spring.

123 GRAMMAR AND WRITING II

5.0 Units

NON-DEGREE APPLICABLE

ESL 123 focuses on grammar and composition for students at the low intermediate level of English as a second language. Students write two-to-three paragraph compositions of 200-250 words in length. The course stresses the correct use of a variety of grammatical structures and verb tenses within compositions. Lecture 5 hours. **Prerequisite:** Placement is based on a composite of test scores and academic background or satisfactory completion of ESL 111. **Recommended Preparation:** ESL 115 and 116. **Recommended Corequisites:** ESL 125, 126, and 127. Course Typically Offered: Winter/Spring/Summer/Fall.

125 LISTENING AND SPEAKING II

4.0 Units

NON-DEGREE APPLICABLE

ESL 125 teaches effective communication skills in academic English. Students analyze and discuss academic materials using academic vocabulary at the low-intermediate level and learn strategies to increase the listening comprehension and oral communication skills they will need in college credit courses. Lecture 4 hours. Placement is based on ESL Self-Placement Survey or satisfactory completion of ESL 115. **Recommended Corequisite:** Concurrent enrollment in ESL 123 and 126. Course Typically Offered: Fall/Spring.

126 READING AND VOCABULARY FOR ESL II STUDENTS

3.0 Units

NON-DEGREE APPLICABLE

ESL 126 is designed to help low-intermediate Credit ESL students read academic reading materials. The course places heavy emphasis on academic interdisciplinary vocabulary development. Students use various reading strategies to increase their reading comprehension. Lecture 3 hours. **Prerequisite:** Placement is based on a composite of test scores and academic background or completion of ESL 111 or ESL 116. **Recommended Preparation:** Concurrent enrollment in an appropriate Credit ESL listening/speaking and a grammar/writing course. Course Typically Offered: Winter/Spring/Summer/Fall.

127 LOWER-INTERMEDIATE SPELLING FOR NON-NATIVE SPEAKERS

2.0 Units

NON-DEGREE APPLICABLE

ESL 127 is a course designed to improve the spelling proficiency of English as a Second Language students for academic purposes at a lower-intermediate level. Emphasis is given to phonology and its relationship to English spelling patterns. Lecture 2 hours. **Prerequisite:** ESL 111 and ESL 116 or placement exam scores showing eligibility for ESL 123. Course Typically Offered: Fall/Spring.

133 GRAMMAR AND WRITING III

5.0 Units

ESL 133 focuses on grammar and composition for students at the intermediate level of academic English as a second language. The course covers increasingly complex grammatical structures that students incorporate into three-to-five paragraph compositions of 300-350 words in length. Lecture 5 hours. **Prerequisite:** Placement is based on a composite of test scores and academic background or satisfactory completion of ESL 123 and 126. **Recommended Preparation:** ESL 125 and ESL 127. **Recommended Corequisite:** ESL 135, 136, and 137. Course Typically Offered: Winter/Spring/Summer/Fall. **Transfer Credit:** CSU, UC, USC

135 LISTENING AND SPEAKING III

4.0 Units

ESL 135 teaches students effective communication skills in academic English. Students analyze and discuss intermediate-level academic materials using academic vocabulary and learn various strategies to increase their listening comprehension and oral communication skills in order to succeed in college credit courses. Lecture 4 hours. **Prerequisite:** Placement is based on ESL Self-Placement Survey or satisfactory completion of ESL 125. **Recommended Corequisite:** Concurrent enrollment in ESL 133 and ESL 136. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU

136 READING AND VOCABULARY FOR ESL III STUDENTS

3.0 Units

ESL 136 is designed to help intermediate Credit ESL students to read academic materials in order to analyze, discuss, and write about their understanding of the texts. The course places heavy emphasis on academic interdisciplinary vocabulary development. Students use various strategies to increase their reading comprehension of both fiction and non-fiction texts. Lecture 3 hours. **Prerequisite:** Placement is based on a composite of test scores and academic background or completion of ESL 126. **Recommended Preparation:** Concurrent enrollment in an appropriate Credit ESL listening/speaking course and a Credit ESL grammar/writing course. Course Typically Offered: Winter/Spring/Summer/Fall. **Transfer Credit:** CSU

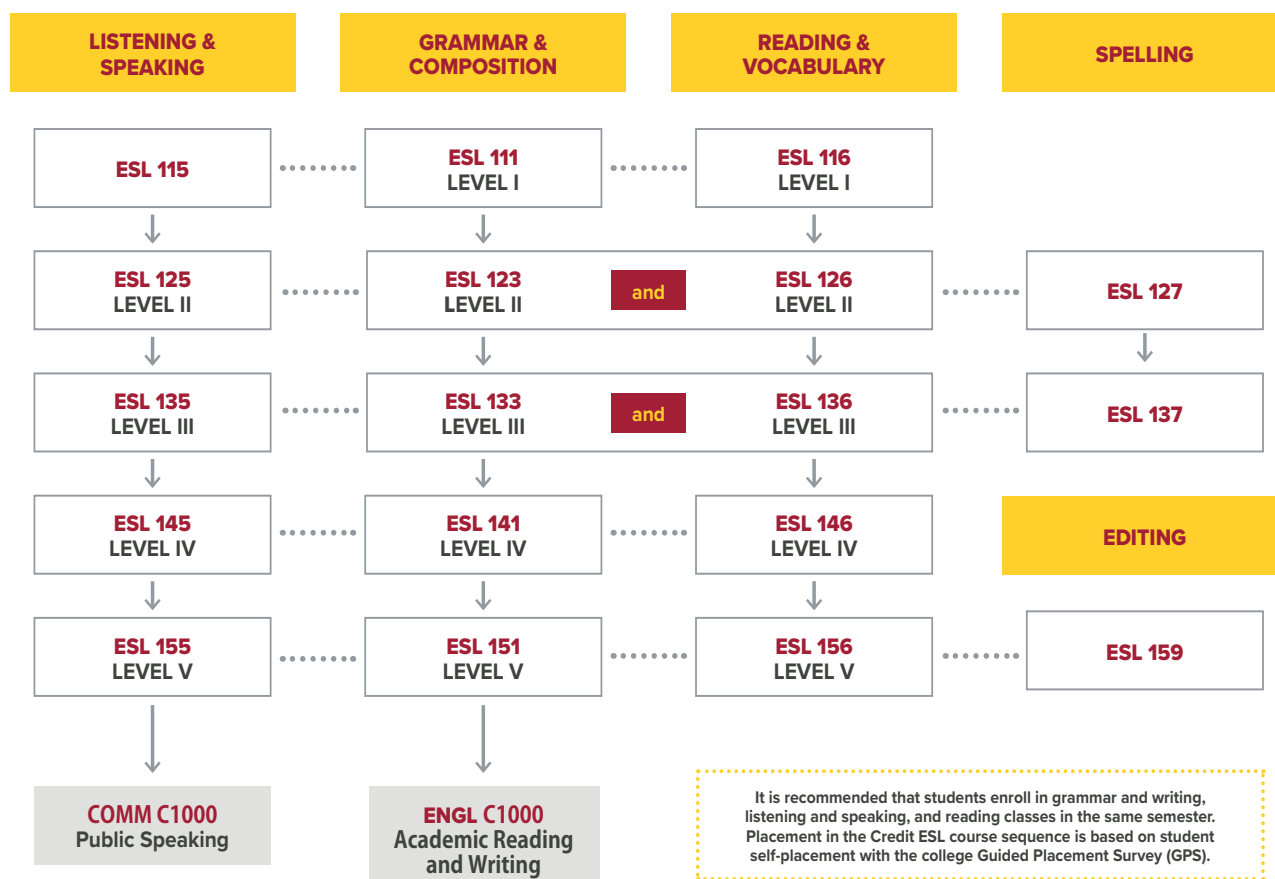
137 INTERMEDIATE SPELLING FOR NON-NATIVE SPEAKERS

2.0 Units

NON-DEGREE APPLICABLE

ESL 137 is designed to promote the spelling proficiency of ESL students at the intermediate level. There is special emphasis given to the relationship of pronunciation and morphology to spelling. Vocabulary pertaining to study-skills, academic endeavor, and the higher education environment generally is a special feature of the course. Lecture 2 hours. **Prerequisite:** ESL 123 and ESL 126 or placement exam scores. **Recommended Preparation:** Concurrent enrollment in ESL 133, ESL 136, and ESL 135. Course Typically Offered: Fall/Spring.

Credit English as a Second Language Course Sequence



141 GRAMMAR AND WRITING IV 5.0 Units

ESL 141 focuses on grammar and composition for students at the high intermediate level of academic English as a second language. This course provides extensive practice in thesis-based essays, critical analysis of academic reading, and techniques to improve writing content, organization, and grammar. The course covers increasingly complex compositions of 400-450 words in length. Essays are written in response to readings and discussions. Lecture 5 hours. **Prerequisites:** Placement is based on a composite of test scores and academic background or satisfactory completion of ESL 133 and ESL 136. **Recommended Preparation:** ESL 135 and 137. **Recommended Corequisites:** ESL 145 and ESL 146. Course Typically Offered: Winter/Spring/Summer/Fall. **Transfer Credit:** CSU, UC, USC

145 LISTENING AND SPEAKING IV 3.0 Units

ESL 145 teaches effective communication skills in academic English. Students analyze and discuss academic materials using academic vocabulary at the high-intermediate level and learn strategies to increase the listening comprehension and oral communication skills they will need in college credit courses. Lecture 3 hours. **Prerequisite:** Placement is based on ESL Self-Placement Survey or satisfactory completion of ESL 135. **Recommended Corequisite:** Concurrent enrollment in ESL 133 or higher. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU

146 READING AND VOCABULARY FOR ESL IV STUDENTS 3.0 Units

ESL 146 is designed to help high-intermediate Credit ESL students read, analyze, discuss, and write about academic texts. The course emphasizes vocabulary development to improve reading comprehension. Students use various strategies to improve their reading comprehension of both fiction and non-fiction texts highlighting global awareness, social justice, and socio-cultural identities. Lecture 3 hours. **Prerequisite:** Placement is based on ESL Self-Placement Survey or completion of ESL 133 and ESL 136. **Recommended Preparation:** Concurrent enrollment in an appropriate Credit ESL listening/speaking course and a Credit ESL grammar/writing course. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU

151
READING AND COMPOSITION V
4.0 Units

ESL 151 is designed students at the advanced level of academic English as a second language. The course provides extensive practice in thesis-based essays, critical analysis of academic reading, and techniques to improve the organization, syntax, and grammar of the essays. Students write four-to-five paragraph essays of 500+ words in length. Library research techniques are introduced and a research paper is completed. Lecture 4 hours. *Prerequisite:* Placement is based on a composite of test scores and academic background or satisfactory completion of ESL 141. *Recommended Preparation:* ESL 145 and ESL 146. *Recommended Corequisite:* ESL 155 and ESL 159. Course Typically Offered: Winter/Spring/Summer/Fall. *Transfer Credit:* CSU, UC, USC

155
LISTENING AND SPEAKING V
3.0 Units

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. Lecture 3 hours. *Prerequisite:* Placement is based on ESL Self-Placement Survey or satisfactory completion of ESL 145. *Recommended Corequisite:* ESL 151 and ESL 156. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU

156
CRITICAL READING AND WRITING
3.0 Units

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. Lecture 3 hours. *Prerequisite:* Placement is based on ESL Self-Placement Survey or completion of ESL 146. *Recommended Corequisites:* ESL 151 and ESL 155. *Transfer Credit:* CSU, UC

159
EDITING AND PROOFREADING
1.0 Unit

ESL 159 is designed to complement ESL 151 in the development and practice of editing and proofreading of thesis-based essays in addition to techniques to improve the syntax and grammar of essays. Increasingly complex mechanical (punctuation) and grammatical structures are covered. Lecture 1 hour. *Prerequisite:* Placement is based on ESL Self-Placement Survey or satisfactory completion of ESL 141. *Recommended Corequisite:* ESL 151.

ENTREPRENEURSHIP

101
CREATE YOUR OWN BUSINESS
2.0 Units

ENTRE 101 explains the role of entrepreneurial businesses in the United States and the impact on our national and global economy. The course evaluates the skills and commitment necessary to successfully operate an entrepreneurial venture. Additionally, ENTRE 101 reviews the challenges and rewards of entrepreneurship as a career choice as well as entrance strategies to accomplish such a choice. Lecture 2 hours. *Recommended Preparation:* ENGL C1000E or ESL 151. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU

102
GROW YOUR OWN BUSINESS
3.0 Units

ENTRE 102 is an introduction to innovation in its true economic and social context by studying the unlimited opportunities that an entrepreneurial mindset can provide. Students study the skills, attitudes, and behaviors that successful entrepreneurs have historically possessed, as well as the issues, circumstances, and obstacles that shaped their time. Additionally, students analyze modern day successful entrepreneurs who faced hardship and adversity by embracing an entrepreneurial mindset. The characteristics of the entrepreneurial mindset will be dissected and applied to the student's own mindset and entrepreneurial potential. Lecture 3 hours. *Recommended Preparation:* ENGL C1000E or ESL 141. *Transfer Credit:* CSU

103
RUN YOUR OWN BUSINESS
3.0 Units

ENTRE 103 covers the process of planning, organizing, and managing a small business. Topics include developing a business plan, forming and marketing a small business, legal aspects of business ownership, accounting, budgeting, financing, and risk management. The skills taught in this course will help individuals start new ventures as well as aid existing business owners to plan their growth. Note: This course may not be taken for credit by students who have completed BUSAD 158. Lecture 3 hours. *Recommended Preparation:* BUSAD 101. *Transfer Credit:* CSU

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, ENTRE 102, and ENTRE 103 or BUSAD 158. *Transfer Credit:* CSU

ETHNIC STUDIES**48
ETHNIC STUDIES INTERNATIONAL
FIELD STUDIES****1.0 to 3.0 Units**

ETH S 48 provides college credit to study ethnic studies 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

**49
ETHNIC STUDIES INDEPENDENT
STUDY****1.0 to 3.0 Units**

ETH S 49 provides independent exploration to familiarize students with research techniques, career options, and special academic interests in ethnic studies. 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. Laboratory 3-9 hours. *Corequisite:* Concurrent registration in 6 or more units. *Transfer Credit:* CSU

**110
CONTEMPORARY ETHNIC WOMEN****3.0 Units**

ETH S 110 surveys the contemporary status of ethnic women in the United States. Students analyze the lived experiences of women in Native American, African American, Asian American, and Latina communities in the United States with a special emphasis on agency and group-affirmation. Topics include anti-racism, feminism, and equity. Lecture 3 hours. *Recommended Preparation:* ENGL 100 or ESL 141, or equivalent. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU, UC, USC

**120
CHICANA/O/X STUDIES****3.0 Units**

ETH S 120 provides students with an understanding and appreciation of the social, political, economic and cultural experiences of Chicana/o/x in the United States. Students focus on the Chicana/o/x experience after the signing of the Treaty of Guadalupe Hidalgo in 1848. Students also analyze the development of the field and theories of racialization and intersectionality. Special attention is given to such topics as Chicana/o/x political and labor participation, Chicana/o/x aesthetics, intersectionality and education. Lecture 3 hours. *Recommended Preparation:* ENGL 100 or ESL 141. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU, UC, USC

**121
ETHNIC AND RACIAL MINORITIES****3.0 Units**

ETH S 121 surveys the major ethnic and racial minorities in the United States to provide students with a better understanding of the socio-economic, cultural and political practices and institutions that support or challenge racism, racial and ethnic inequalities. The course also studies historical and contemporary patterns of interaction between intersectional identities of the four core ethnic populations of Asian Americans, Chicana/Latinx, African Americans, and Native/Indigenous Americans within the United States. Lecture 3 hours. *Recommended Preparation:* ENGL 100 or ESL 141, or equivalent. Course Typically Offered: Winter/Spring/Summer/Fall. *Transfer Credit:* CSU, UC, USC. (C-ID SOCI 150)

**123
ASIANS IN AMERICA****3.0 Units**

ETH S 123 is a survey course which examines the experience of Asian American groups (Chinese, Japanese, Filipinos, Koreans, and others) from the mid-nineteenth century to the present. The course emphasizes these themes as it considers each immigrant group: stereotypes, push and pull factors in immigration, labor experiences, racism and discrimination in American society as applied to Asian Americans, contributions of Asian Americans to American society, community life before and since World War II, problems of the Asian American community today. Lecture 3 hours. *Recommended Preparation:* ENGL 100 or ESL 151. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU, UC, USC

**125
NATIVE AMERICAN STUDIES****3.0 Units**

ETH S 125 provides an overview of the native American experience in the United States from antiquity to the present examining their social, cultural, political, and economic history with an emphasis on native adaptation, social organizations, and world views. This course reviews the 500 years of cultural growth, conflict, resistance, and adaptation, including the contemporary realities of indigenous peoples. The Native American experience is examined in relation to the dominant society as well as other racial and ethnic groups. Lecture 3 hours. *Recommended Preparation:* ENGL C1000, ENGL C1000E, or ENGL C1000H, or equivalent. Course Typically Offered: Spring. *Transfer Credit:* CSU, UC, USC

**132
THE AFRICAN AMERICAN
EXPERIENCE IN THE UNITED
STATES****3.0 Units**

ETH S 132 provides an interdisciplinary survey of African-American culture and heritage from the 1600s to the present. Students analyze the economic, political, social, artistic, and intellectual elements of the African-American community. Students explore concepts such as specialization, the intersection of class and gender, white supremacy and liberation while paying particular attention to the significant impact that African-Americans have had on American culture as a whole. Lecture 3 hours. *Recommended Preparation:* ENGL 100 or ESL 151. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU, UC, USC

164
THE ARMENIAN DIASPORA
3.0 Units

ETH S 164 examines the development of the Armenian Diaspora from the abandonment of the Armenian Question by the United States and the European Powers in 1923 to the unfolding of current events that critically affect the Armenian case today. Students will learn about the growing Armenian-American community and Armenian emigration from the Middle East and Soviet Armenia. Pressures of assimilation in the U.S., activities of community organizations toward preserving Armenian culture, current Armenian affairs, and U.S. foreign policy will also be explored. Lecture 3 hours. **Recommended Preparation:** ENGL C1000, ENGL C1000E, or ENGL C1000H, or equivalent. Course Typically Offered: Spring. **Transfer Credit:** CSU, UC, USC

165
INTRODUCTION TO RESTORATIVE JUSTICE
3.0 Units

ETH S 165 introduces students to the principles of Restorative Justice (RJ) and its application to the treatment of human suffering in a range of contexts, including in educational settings and issues related to criminal justice. It explores the needs and roles for key stakeholders (victims, offenders, communities, justice systems) and evaluates the potential of RJ to fundamentally shift the way we understand and carry out justice. In addition to gaining a theoretical and historical background in RJ, students gain practical and introductory experience in applying restorative strategies. Lecture 3 hours. **Recommended Preparation:** ENGL C1000, ENGL C1000E, or ENGL C1000H, or equivalent. **Transfer Credit:** CSU, UC

166
RACE AND THE LAW
3.0 Units

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. Lecture 3 hours. **Recommended Preparation:** ENGL C1000, ENGL C1000E, or ENGL C1000H, or equivalent. **Transfer Credit:** CSU, UC, USC

FILIPINO

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 and is equivalent to two years of high school 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 C1000 or ESL 141. **Transfer Credit:** CSU, UC

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 or equivalent. **Transfer Credit:** CSU, UC

115
FILIPINO FOR THE FILIPINO SPEAKING I
5.0 Units

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 or equivalent. **Transfer Credit:** CSU, UC

FILM TELEVISION AND MEDIA

Film, Television and Media course were previously listed in Media Arts and can now be found in the Film, Television and Media (FTVM) department in the catalog.

45
FILM TELEVISION AND MEDIA ARTS INTERNSHIP AND JOB PREPARATION
2.0 Units

FTVM 45 introduces principles and skills needed to prepare for a career in the Film, TV and Media Arts Industry. It offers hands-on guidance to identify, apply to, and attain an internship or entry level job in the Film, Television, and Media Arts Industry. Note: This course is a Pass/No Pass only. Lecture 1 hour/Laboratory 3 hours. **Prerequisite:** None. **Transfer Credit:** CSU

46
FIELD STUDIES IN FILM TELEVISION AND MEDIA ARTS PRODUCTION
3.0 Units

FTVM 46 provides students with hands-on experience in Film, TV and Media Arts production in the field. Students will travel and study in the United States or foreign countries at their own expense. Each course offering will concentrate on a specific target area, chosen for its cultural or social significance. Each student will create an individual project or participate as a member of a production team that relates to each site, under the direction of a Glendale Community College FTVM instructor. Note: This course may be taken 4 times; a maximum of 12 units may be earned. Each repetition must be in a different area of the United States or Internationally. Note: This course is pass/no pass only. Lecture 1.5 hours/Laboratory 4.5 hours. **Prerequisite:** None. **Transfer Credit:** CSU

47
FILM TELEVISION AND MEDIA
ARTS NATIONAL FIELD STUDIES
1.0 to 3.0 Units

FTVM 47 provides college credit for travel and study in a target area in the United States at the student's own expense in programs provided by agencies approved in advance by the College and under the direction of a Glendale Community College instructor. Note: This course may be taken 4 times; a maximum of 12 units may be earned. Each repetition must be in a different part of the United States/region or a different theme. Note: This course is Pass/No Pass only. Lecture 1-3 hours. **Prerequisite:** None. **Transfer Credit:** CSU

48
FILM TELEVISION AND MEDIA
ARTS INTERNATIONAL FIELD STUDIES
1.0 to 3.0 Units

FTVM 48 provides college credit for travel and study in foreign countries. Under the direction of a Glendale Community College instructor, students participate in a study abroad program approved by the College. Students are responsible for paying program fees. This course may be offered in other disciplines. Note: This course may be taken 4 times; a maximum of 12 units may be earned. Each repetition must be in a different country and/or area of the world. Note: This course is Pass/No Pass only. Lecture 1-3 hours. **Prerequisite:** Concurrent registration in 6 or more units. **Transfer Credit:** CSU

49
FILM TELEVISION AND MEDIA
ARTS INDEPENDENT STUDY
1.0 to 3.0 Units

FTVM 49 provides well-qualified students with an opportunity to explore a subject in greater depth than usual, to familiarize students with some basic research techniques, to interest students in possible career areas, and to take advantage of special academic interests. Emphasis shall be on individual research projects, library research and preparation of research papers. There is no prescribed course content. Students develop a research project, have it approved by the sponsoring instructor and appropriate division chairperson, then submit the finished project, which may be library research, or perhaps a supervised experimental program related to a specific course of instruction. Registration is open to any student at GCC who is currently registered for 6 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 6 units per division. The units received may be acceptable for college transfer subject to the approval of the individual college. Note: Independent Study are arranged by faculty in the Visual and Performing Arts Division. This course may be taken 3 times; a maximum of 9 units may be earned. Note: Students who have taken MEDIA 49 may have limited repeats and units. Laboratory 3-9 hours. **Corequisite:** Concurrent registration in 6 or more units. **Transfer Credit:** CSU

50
FILM TELEVISION AND MEDIA
ARTS INTERNSHIP
1.0 to 3.0 Units

FTVM 50 is a discipline-specific course, which allows students to earn from 1.0,-3.0 units for a structured, supervised internship either on-campus or off-campus under the supervision of a faculty advisor. It is designed to provide students with appropriate preparation and a hands-on work experience in one of the following fields: Cinema, Television, Digital Media, Screenwriting, or Management. The purpose of this class is to enhance students' knowledge, skill levels, and professional competency in their targeted career. Students must work 60 nonpaid hours or 75 paid hours per unit earned. This course is recommended for the self-motivated student, and requires faculty advisor approval to register. Note: This course is Pass/No Pass only. Note: Students who have taken MEDIA 50 may have limited repeats and units. Laboratory 3-9 hours. **Prerequisite** or **Corequisite:** Enrollment in appropriate discipline-specific theory or lab course at GCC. **Recommended Preparation:** ENGL 100 or ESL 141. Course Typically Offered: Spring. **Transfer Credit:** CSU

100
AESTHETICS OF CINEMA
3.0 Units
(Previously MEDIA 110)

FTVM 100 is the study of the aesthetics and creation of cinematic art. Emphasis is placed on aesthetic concepts as well as the techniques and practices employed to achieve the aesthetic goals of the filmmaker. Specific topics include narrative, visual design, cinematography, editing, sound design, genre, and authorship. The course surveys a wide variety of films, filmmakers, and film movements to explore the diverse possibilities presented by the cinematic art form. Lectures, discussions and readings are supplemented by the screening of representative films. Note: Students who have taken MEDIA 110 may not receive credit for this course. Lecture 3 hours. **Recommended Preparation:** ENGL 100 or ESL 151. Course Typically Offered: Spring. **Transfer Credit:** CSU, UC, USC

**101
FILM GENRES**
3.0 Units

FTVM 101 covers the theory and analysis of classic American film genres such as the Western, the Musical, Film Noir, Horror, Romantic Comedy, Gangster, Sci-fi, Fantasy, War, and Historical Epics. Through lectures, discussion, and film screenings we identify the specific characteristics that define various film genres and how these elements work together. We discuss and evaluate the iconography, aesthetics, themes and archetypes of each genre. At the end of this course, students will be able to identify the elements, themes, topics, tropes, characters, situations, and plot beats that are common in specific genres and their cultural context. Lecture 3 hours. *Recommended Preparation:* ENGL C1000 or ESL 151, or equivalent. *Transfer Credit:* CSU, UC

**102
AESTHETICS OF INTERNATIONAL CINEMA: WORLD WAR II TO THE PRESENT**
3.0 Units

FTVM 102 covers the development of film technology, aesthetics, and genre from World War II to the Present. Students analyze various film movements by their defining narrative, technical, aesthetic, and theoretical contributions to the medium. Topics include Socialist Realism, the development of the Classic Hollywood style, French Impressionism, German Expressionism, Soviet Montage, and the establishment of the Hollywood studio system. We will pay particular attention to the historical, cultural and economic influences that shaped the stylistic shifts of the international art form. Lecture 3 hours. *Recommended Preparation:* ENGL C1000 or ESL 151, or equivalent. *Transfer Credit:* CSU, UC

**103
EMERGING GLOBAL CINEMA**
3.0 Units

FTVM 103 examines contemporary emerging international film movements. Looking outside the boundaries of the Hollywood system, this class analyzes global cinema with a focus on auteur filmmakers who have helped to define their nation's film identity. Students evaluate the films by their defining narrative, technical, aesthetic, and theoretical contributions to the medium, and pay particular attention to cinematic and cultural theories such as transnationalism, global and local cinema, and the caricatures of Asian cultures in film. The course provides critical methodology and practical tools for examining and interpreting the connection between the artist and their work as a reflection of their specific environment. Lecture 3 hours. *Recommended Preparation:* ENGL C1000 or ESL 151, or equivalent. *Transfer Credit:* CSU, UC

**104
AMERICAN INDEPENDENT FILM**
3.0 Units

FTVM 104 covers the history and analysis of Independent U.S. film: low-budget commercial feature films produced, distributed, and/or exhibited outside of mainstream Hollywood. Through screenings and class discussions, students analyze the evolution of Independent Cinema, from the modes of production to the creation of the style and tone of indie films. Topics include self-distribution film festival circuits and the studio film versus independent. The course introduces students to important films and filmmakers instrumental in the independent genre while comparing and contrasting the aesthetic and content of independent cinema with the traditional practices of Hollywood studios. Lecture 3 hours. *Recommended Preparation:* ENGL C1000 or ESL 151. *Transfer Credit:* CSU, UC

**106
GREAT FILMMAKERS**
3.0 Units

FTVM 106 focuses on the careers of significant auteur filmmakers (directors) and analyzes their filmography in aesthetic, thematic, ideological, geographical, artistic, social, political and historical terms. This course reviews a director's or a collection of directors' work (instructor's choice) highlighting their specific visual and narrative styles and thematic preoccupations. Students will articulate specific insights of the director's/directors' work through various writing and creative projects. Lecture 3 hours. *Recommended Preparation:* ENGL C1000 or ESL 151, or equivalent. *Transfer Credit:* CSU, UC

**107
BEYOND HOLLYWOOD: GENDER RACE AND SEX IN MOVIES**
3.0 Units

FTVM 107 examines the intersections of gender, race, class and sexuality in U.S. and/or international film using critical and historical perspectives and surveys the economic, historical, and social influences upon these representations from early cinema to the present, focusing primarily on images of women. Students explore women's filmmaking, images of masculinity, and various, screen sexualities from a variety of film theories and analytical perspectives. Lecture 3 hours. *Recommended Preparation:* ENGL C1000 or ESL 151 or equivalent. *Transfer Credit:* CSU, UC

**108
DOCUMENTARY FILM AESTHETICS**
3.0 Units

FTVM 108 explores how the style, look, and structure of documentary films affect considerations of ethics, point of view, and persuasion. Topics of study include the voice of documentary, documentary modes, the influence of social media, cultural and national representation in documentary, and the evolution of digital technology in the context of nonfiction. Students will watch a wide variety of documentaries that examine the concept of "truth" on film and the filmmaker's ability to distort or clarify our perception of reality. We will pay particular attention to the historical, cultural, environmental, political and economic influences that shaped the documentary form. Lecture 3 hours. *Recommended Preparation:* ENGL C1000 or ESL 151, or equivalent. *Transfer Credit:* CSU, UC

**112
INTRODUCTION TO
SCREENWRITING****3.0 Units**

FTVM 112 is a basic introductory course in narrative script writing for film and episodic television. Emphasis is placed upon the essentials of screenplay structure, characters, conflict, theme, and technical script formatting in the development of a short screenplay. Note: This course may not be taken for credit by students who have completed ENGL 112. Lecture 3 hours. **Recommended Preparation:** ENGL C1000 or ESL 151, or equivalent. **Transfer Credit:** CSU, UC

**120
WRITING FOR MEDIA****3.0 Units**

FTVM 120 offers an introduction to writing for film, television, radio and electronic media. The course focuses on preparing scripts in proper formats, including fundamental technical, conceptual and stylistic issues related to writing fiction and non-fiction scripts for informational and entertainment purposes in film and electronic media. The course includes a writing evaluation component as a significant part of the course requirement. Note: Students who have taken MEDIA 120 may not receive credit for this course. Lecture 3 hours. **Recommended Preparation:** ENGL C1000 or ESL 151, or equivalent. **Transfer Credit:** CSU, UC, USC

**130
CINEMATIC STORYTELLING
PATHWAYS****2.0 Units**

FTVM 130 is an introductory course covering both the critical appreciation of cinema and the basic techniques of digital filmmaking, while emphasizing students' personal and creative expression. This course also introduces students to the career pathways to film and television including the roles and responsibilities of the departments of a production crew. Topics include the theory and practice of visualization, the grammar of cinematic storytelling, the aesthetics of various film movements, camera technique, lighting, sound recording, sound design, directing, and other fundamentals related to learning the craft and art of digital filmmaking. Students engage in critical appreciation through individual and group analysis of movies and episodic television, as well as in filming cinematic exercises under the supervision of their instructor. Note: A material/lab fee may be required for this course. Lecture 1 hour/Laboratory 3 hours. **Prerequisite:** None. **Transfer Credit:** CSU, UC

**131
INTRODUCTION TO TV STUDIO
PRODUCTION****3.0 Units**

(Previously MEDIA 101)

FTVM 131 provides students with a basic overview of the aesthetics and techniques required in the production of studio based multiple camera video programs. The topics include studio and control room operations, directing, crew responsibilities, operation of video and audio equipment, lighting, video graphics and sound mixing. Projects consist of hands-on experiences in several live" video studio production situations performed in the Glendale College Television Studio (GCTV Studio.) Note: Students who have taken MEDIA 101 may not receive credit for this course. Note: A material/lab fee may be required for this course. Lecture 1.5 hours/Laboratory 4.5 hours. **Prerequisite:** None. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU, UC

**132
INTRODUCTION TO FILM
PRODUCTION****3.0 Units**

(Previously MEDIA 103)

FTVM 132 provides students with a basic overview of the aesthetics and techniques required to cinematically tell a story via single-camera motion picture production. Topics include basic cinematography, camera familiarization and operation, lenses, camera angles, camera blocking and movement, coverage, continuity, digital recording formats, filters, location production, lighting and simple editing. Projects consist of hands-on experiences working in a production team with digital cinema cameras and editing workstations. Note: Students who have taken MEDIA 103 may not receive credit for this course. Note: A material/lab fee may be required for this course. Lecture 1.5 hours/Laboratory 4.5 hours. **Prerequisite:** FTVM 130. Course Typically Offered: Winter/Spring/Summer/Fall. **Transfer Credit:** CSU, UC, USC. (C-ID FTVE 150)

**135
INTRODUCTION TO AUDIO
PRODUCTION****3.0 Units**

(Previously MEDIA 107)

FTVM 135 teaches students the basic principles, aesthetics, and techniques required in the production of audio programs and soundtracks for video programs. Specific topics include digital recording and editing, selection and use of microphones, sound studio operation, multi-tracking, equalization, compression, mixing, editing, and synchronization with video. Industry standard software such as Pro Tools will be utilized. Hands-on practice with professional equipment is emphasized. Note: Students who have taken MEDIA 107 may not receive credit for this course. Note: A material/lab fee may be required for this course. Lecture 1.5 hours/Laboratory 4.5 hours. **Prerequisite:** None. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU, UC, USC

**137
INTRODUCTION TO
CINEMATOGRAPHY****3.0 Units**

(Previously MEDIA 213)

FTVM 137 is an entry level exploration of the art and craft of cinematography. In this hands-on course, students will delve into the art and craft of cinematography: the methods and techniques by which cinematic composition and lighting give a film meaning and aesthetic purpose. Through lectures, demonstrations, exercises in a supervised classroom environment, and individual assignments in the field, students will learn to operate state-of-the-art digital and electronic equipment while applying the fundamental principles of lighting, composition, exposure, focus, lens selection, and camera dynamics into purposeful visual storytelling. Note: Students who have taken MEDIA 213 may not receive credit for this course. Note: A material/lab fee may be required for this course. Lecture 1.5 hours/Laboratory 4.5 hours. **Prerequisite:** None. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU, UC, USC

139
INTRODUCTION TO EDITING
3.0 Units

(Previously MEDIA 112)

FTVM 139 is an intermediate-level media production class. Emphasis is on editing techniques and aesthetics for motion picture productions using professional applications. Topics include system set-up, footage importing, append and insert editing, dialog and multi-clip editing, media management, pace, continuity, format workflow, effects, titling and compression. Students output their projects to professional-level deliverable digital video files. Note: Students who have taken MEDIA 112 may not receive credit for this course. Lecture 1.5 hours/Laboratory 4.5 hours. *Prerequisite:* None. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU

212
ADVANCED SCREENWRITING
3.0 Units

FTVM 212 is an advanced course in narrative script writing for film. Emphasis is placed on character creation, story development, and three act structure. Students will develop story scenarios, choose one to outline as a feature film, and write Act One in screenplay format. Note: This course may not be taken for credit by students who have completed ENGL 212. Lecture 3 hours. *Prerequisite:* FTVM 112, ENGL 112, or FTVM 120. *Transfer Credit:* CSU, UC

249
ADVANCED EDITING
3.0 Units

FTVM 249 builds on skills learned in FTVM 139, Introduction to Editing. Students practice video editing and understanding of professional production and post-production workflows as related to processes, storytelling, formats, visual effects and hardware. This course also uses industry-standard Avid Media Composer software to prepare students to take the Media Composer 101 and 110 exams that lead to an Avid User certificate. Lecture 1.5 hours/Laboratory 4.5 hours. *Prerequisite:* FTVM 139. *Transfer Credit:* CSU, UC

255
FIELD SOUND PRODUCTION PRACTICUM
1.0 Unit

FTVM 255 offers professional training in the techniques and craft used by Sound Recordist in the field while working as key members of a professional motion picture production. Laboratory 3 hours. *Prerequisite:* FTVM 132 and FTVM 135. *Transfer Credit:* CSU

256
POST PRODUCTION SOUND PRACTICUM
1.0 Unit

FTVM 256 offers professional training in the techniques and craft used by Post Production Audio Team in the studio while working as key members of a professional Post Production Sound Design and Edit Team. Laboratory 3 hours. *Prerequisite:* None. *Transfer Credit:* CSU

257
GRIP AND LIGHTING PRACTICUM
1.0 Unit

FTVM 257 offers professional training in the techniques and craft used by Grips and Lighting Technicians working as key members of a professional motion picture production. Laboratory 3 hours. *Prerequisite:* FTVM 132 and FTVM 137. *Transfer Credit:* CSU

258
CAMERA ASSISTANT PRACTICUM
1.0 Unit

FTVM 258 offers professional training in the techniques and craft of a Camera Assistant working as a key member of a camera department on a professional motion picture production. Laboratory 3 hours. *Prerequisite:* FTVM 132 and FTVM 137. *Transfer Credit:* CSU

259
ASSISTANT EDITOR PRACTICUM
1.0 Unit

FTVM 259 offers professional training in the techniques and craft used by an assistant editor while assisting an editor in the post production house. Laboratory 3 hours. *Prerequisite:* FTVM 132 and FTVM 139. *Transfer Credit:* CSU

270A
PROFESSIONAL FILM PRODUCTION INTENSIVE
3.0 Units

FTVM 270A is a fast paced, hands-on course, in which students go through the process of developing, pre-producing and shooting a film together, as a crew, emulating a professional working environment. Supervised by their instructor and industry professionals on and off set, students develop, pre-produce, rehearse, shoot, and edit scenes from an original screenplay that is filmed in its entirety - on location - at the end of the semester. Lecture 1.5 hours/Laboratory 4.5 hours. *Prerequisite:* FTVM 132 and FTVM 135, FTVM 137, or FTVM 139. *Corequisite:* FTVM 270B. *Transfer Credit:* CSU, UC

270B
PROFESSIONAL FILM PRODUCTION INTENSIVE LABORATORY
1.0 to 2.0 Units

FTVM 270B is a fast paced, hands-on course, in which students, industry professionals and faculty shoot on location as part of the lab component of FTVM 270A. Students go through the process of developing, pre-producing and shooting a film together, as a crew, emulating a professional working environment. Supervised by their instructor and industry professionals on set, students shoot the original screenplay that is pre-produced in FTVM 270A Professional Film Production Intensive. The shoot hours are determined by the needs of the film and may take place off-campus. Laboratory 3.0-6.0 hours. *Corequisite:* FTVM 270A. *Transfer Credit:* CSU

271
DOCUMENTARY FILMMAKING
3.0 Units

FTVM 271 is a documentary filmmaking production course in which students work on a project from concept to distribution. Students practice fundamental skills including documentary producing, sound recording, lighting, cinematography and editing in the context of historical movements, contemporary issues, and diverse perspectives. Note: A material/lab fee may be required for this course. Lecture 1.5 hours/Laboratory 4.5 hours. *Prerequisite:* FTVM 130, 132, 135, 137, 139, or 46. *Transfer Credit:* CSU, UC

272
ADVANCED FILM PRODUCTION
2.0 Units

FTVM 272 is designed to provide a realistic working experience in film and media production. The emphasis is on individual production of short films and media segments in order to build a personal portfolio or demo reel of production work. Students have regular access to professional film and media equipment and gain experience with all capabilities of the Media Arts studio. Students may also create independent media productions for the campus and community. Note: Students who have taken MEDIA 290 may have limited repeats and units. Note: A material/lab fee may be required for this course. Laboratory 6 hours. *Prerequisite:* FTVM 132 or equivalent. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU

FIRE TECHNOLOGY**101
PRINCIPLES OF FIRE EMERGENCY SERVICES****3.0 Units**

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. Lecture 3 hours. *Recommended Preparation:* ENGL C1000 or ESL 151, or equivalent. *Transfer Credit:* CSU. (C-ID FIRE 100X)

**102
FIRE BEHAVIOR AND COMBUSTION****3.0 Units**

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. Lecture 3 hours. *Recommended Preparation:* ENGL C1000 or ESL 151, or equivalent. *Transfer Credit:* CSU. (C-ID FIRE 140X)

**103
FIRE PREVENTION****3.0 Units**

FIRE 103 provides fundamental knowledge relating to the field of fire prevention. Topics include: history and philosophy of fire prevention; organization of a fire prevention bureau; use and application of codes and standards; plans review; fire inspections; fire and life safety education; and fire investigation. Lecture 3 hours. *Recommended Preparation:* ENGL C1000 or ESL 151, or equivalent. *Transfer Credit:* CSU. (C-ID FIRE 110X)

**104
BUILDING CONSTRUCTION FOR FIRE PROTECTION****3.0 Units**

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. Lecture 3 hours. *Recommended Preparation:* ENGL C1000 or ESL 151, or equivalent. *Transfer Credit:* CSU. (C-ID FIRE 130X)

**105
FIRE PROTECTION SYSTEMS****3.0 Units**

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. Lecture 3 hours. *Recommended Preparation:* ENGL C1000 or ESL 151, or equivalent. *Transfer Credit:* CSU. (C-ID FIRE120X)

**106
PRINCIPLES OF FIRE AND EMERGENCY SERVICES SAFETY AND SURVIVAL****3.0 Units**

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. Lecture 3 hours. *Recommended Preparation:* ENGL C1000 or ESL 141. *Transfer Credit:* CSU. (C-ID FIRE 150X)

**108
FIRE APPARATUS AND EQUIPMENT****3.0 Units**

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. Lecture 3 hours. *Recommended Preparation:* ENGL C1000 or ESL 141. *Transfer Credit:* CSU

**112
WILDLAND FIRE CONTROL****3.0 Units**

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. Lecture 3 hours. *Recommended Preparation:* ENGL C1000 or ESL 141.

**114
HAZARDOUS MATERIALS****3.0 Units**

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. Lecture 3 hours. *Recommended Preparation:* ENGL C1000 or ESL 141. *Transfer Credit:* CSU

**116
FIRE ACADEMY I****4.0 Units**

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 Fire-fighter 1 certification. Note: Students taking this course will be required to engage in strenuous physical activity and will train in a para-military environment. Note: A material/lab fee may be required for this course. Lecture 3 hours/Laboratory 3 hours. *Recommended Preparation:* ENGL C1000 or ESL 141. Course Typically Offered: Winter.

117 FIRE ACADEMY II 12.0 Units

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, FIRE 118, 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. Note: A material/lab fee may be required for this course. Lecture 9 hours/Laboratory 9 hours. *Prerequisite:* FIRE 116. Course Typically Offered: Spring.

118 FIRE ACADEMY III 7.0 Units

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. Note: A material/lab fee may be required for this course. Lecture 65 hours/Laboratory 6 hours. *Prerequisite:* FIRE 117. Course Typically Offered: Summer.

119 FIRE ACADEMY IV 12.0 Units

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. Note: A material/lab fee may be required for this course. Lecture 9 hours/Laboratory 11 hours. *Prerequisite:* FIRE 118. Course Typically Offered: Fall.

120 VERDUGO FIRE RECRUIT ACADEMY 20.5 Units

FIRE 120 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, fire service communications, 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 also involves arduous physical training and strict paramilitary conduct expectations. Note: This course is intended for persons employed in the fire service. This course is very fast paced and arduous. The conduct expectations of this course are similar to that of a typical fire department structured as a para-military organization. No credit if taken after FIRE 116, 117, 118, or 119. Lecture 11.5 hours/Laboratory 27 hours. *Recommended Preparation:* ENGL 100 or ESL 141 and KIN 167 or 168. CPAT certification (*Candidate Physical Ability Test*).

144 PHYSICAL STANDARDS FOR THE FIREFIGHTER 1.5 Units

FIRE 144 is designed to give in-service firefighters and other interested students physical conditioning and manipulative drills in order to prepare the student for the California Candidate Physical Ability Test (CPAT). This course will provide information on the CPAT and the Biddle Associate Validated Test. Students will learn about firefighter wellness programs and current National Fire Protection Association (NFPA) standards. Note: Students taking this course will be required to engage in strenuous physical activity and will train in a para-military environment. Lecture 1 hour/Laboratory 1.5 hours. *Recommended Preparation:* FIRE 101, ENGL C1000 or ESL 141, and KIN 167 or KIN 168. *Transfer Credit:* CSU

FRENCH

101 BEGINNING FRENCH I 5.0 Units

FREN 101 presents the fundamentals of French grammar. The students are guided to pronounce correctly, to acquire a small working vocabulary which they use in conversation and writing and to learn to read simple French. Note: This class is not intended for students with oral proficiency or who have attended schools where French was the language of instruction. Lecture 5 hours. *Recommended Preparation:* ENGL 100 or ESL 141. Course Typically Offered: Winter/Spring/Summer/Fall. *Transfer Credit:* CSU, UC, USC

102 BEGINNING FRENCH II 5.0 Units

FREN 102 is a continuation of the study of French grammar fundamentals. Students continue developing correct pronunciation and analyze more difficult elementary texts. The emphasis is on oral expression as students learn correct use of verbs and idioms and incorporate efficient methods of vocabulary building. There is also more in-depth study of French culture. Lecture 5 hours. *Prerequisite:* FREN 101 or equivalent. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU, UC, USC

103
INTERMEDIATE FRENCH I
5.0 Units

FREN 103 focuses on the continued development of the language skills of listening, speaking, reading, and writing through the study of the French and Francophone cultures. Students are introduced to simple poems, literary texts, cinema, and music. Knowledge is gained about French and Francophone contemporary society and culture. An intermediate level of fluency in the language is expected. This course is taught in French. Lecture 5 hours. *Prerequisite:* FREN 102 or equivalent. Course Typically Offered: Fall. *Transfer Credit:* CSU, UC, USC

104
INTERMEDIATE FRENCH II
5.0 Units

FREN 104 reviews the fundamentals of French grammar. It continues to stress correct diction and efficient methods of vocabulary building. Students read intermediate French prose of increasing difficulty and engage in conversation and composition, with an emphasis on critical thinking. Students discover aspects of French culture and compare them to their own cultures using the French language. This course is taught in French. Lecture 5 hours. *Prerequisite:* FREN 103 or equivalent. Course Typically Offered: Spring. *Transfer Credit:* CSU, UC, USC

48
FRENCH INTERNATIONAL FIELD STUDIES
1.0 to 3.0 Units

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. Lecture 1-3 hours. *Corequisite:* Concurrent registration in 6 or more units or equivalent. *Transfer Credit:* CSU

GEOGRAPHY AND ENVIRONMENT
49
GEOGRAPHY INDEPENDENT STUDY
1.0 to 3.0 Units

GEOG 49 provides independent exploration to familiarize students with research techniques, career options, and special academic interests in geography. 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. Laboratory 3-9 hours. *Corequisite:* Concurrent registration in 6 or more units. *Transfer Credit:* CSU

50
GEOGRAPHY INTERNSHIP
1.0 to 3.0 Units

GEOG 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 geography 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 geography. 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. Laboratory 3-9 hours. *Recommended Preparation:* ENGL C1000, ENGL C1000E, or ENGL C1000H, or equivalent. *Transfer Credit:* CSU

101
PHYSICAL GEOGRAPHY
3.0 Units

GEOG 101 is a spatial study of the Earth's dynamic physical systems and processes. Students examine Earth-sun geometry, weather, climate, water, landforms, soil, and the biosphere. Emphasis is placed on the interrelationships among environmental and human systems and processes and their resulting patterns and distributions. Students also briefly cover tools of geographic inquiry, which may include maps, remote sensing, Geographic Information Systems (GIS), and Global Positioning Systems (GPS). Lecture 3 hours. *Recommended Preparation:* ENGL C1000, ENGL C1000E, or ENGL C1000H, or equivalent. Course Typically Offered: Winter/Spring/Summer/Fall. *Transfer Credit:* CSU, UC, USC. (C-ID GEOG 110)

102
CULTURAL GEOGRAPHY
3.0 Units

GEOG 102 introduces students to the study of spatial distribution of population, religion, language, economic activities, and settlements and their interactions with the landscape. Emphasis is placed upon selected cultural or environmental conflicts. Lecture 3 hours. *Recommended Preparation:* ENGL C1000, ENGL C1000E, or ENGL C1000H, or equivalent. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU, UC, USC. (C-ID GEOG 120)

102H
HONORS CULTURAL GEOGRAPHY
3.0 Units

GEOG 102H 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. The honors course is enhanced in one or more of the following ways: 1. Students complete additional readings from the geographic literature and answer additional test questions. 2. Additional homework assignments focused on critical thinking and geographic analysis. 3. Students complete an original, individual research project or paper and present the findings to the class. Lecture 3 hours. *Recommended Preparation:* ENGL C1000 or ESL 151, or equivalent. *Transfer Credit:* CSU

103
WORLD REGIONAL GEOGRAPHY
 3.0 Units

GEOG 103 surveys the world's major cultural and physical regions. Students focus on regions that help them understand contemporary global issues and concerns, such as North America; Middle and South America; Europe; Russia and the Post-Soviet States; North Africa and Southwest Asia; Sub-Saharan Africa; South Asia; East Asia; Southeast Asia; and Oceania: Australia, New Zealand, and the Pacific. Lecture 3 hours. *Recommended Preparation:* ENGL C1000, ENGL C1000E, or ENGL C1000H, or equivalent. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU, UC, USC. (C-ID GEOG 125)

106
HUMAN IMPACT ON THE ENVIRONMENT
 3.0 Units

GEOG 106 describes and analyzes humanity's impact on the natural environment over time. Students study natural earth systems and natural climatic change through geologic time. Human impact on the atmosphere, hydrosphere, lithosphere, and biosphere will also be explored. Emphasis is placed on the human activities that cause environmental change and the potential solutions and pathways to sustainability. Lecture 3 hours. *Recommended Preparation:* ENGL C1000, ENGL C1000E, or ENGL C1000H, or equivalent. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU, UC, USC. (C-ID ENVS 100)

107
WEATHER CLIMATE AND CLIMATE CHANGE
 3.0 Units

GEOG 107 introduces students to the atmosphere, emphasizing its properties and physical processes. The course focuses on the atmosphere's composition and structure, incoming solar radiation and energy balance, temperature, seasonal changes, atmospheric moisture, clouds and fog, precipitation, air pressure, winds, air masses and fronts, tornadoes, hurricanes, weather forecasting, El Nino, climate, and climate change. Lecture 3 hours. *Recommended Preparation:* ENGL C1000, ENGL C1000E, or ENGL C1000H, or equivalent. Course Typically Offered: Spring. *Transfer Credit:* CSU, UC, USC.. (C-ID GEOG 130)

108
GLOBAL HEALTH
 3.0 Units

GEOG 108 introduces the broad and growing field of global health, global health challenges, programs, and policies. Students will discuss how health and illness are defined and explore the biological, cultural, social, and political factors that influence health at a global level. Topics include comparative health systems; emerging global health priorities, such as infectious conditions, poverty, conflicts, and emergencies; social determinants of health; health systems reform; and major global health initiatives for disease prevention and health promotion. Global health ethics, health inequities, and issues of social justice are emphasized. Note: This course may not be taken for credit by students who have successfully completed HLTH 108. Lecture 3 hours. *Recommended Preparation:* ABSE 186, ABSE 187, or ESL 151. *Transfer Credit:* CSU, UC. (C-ID PH 109)

110
GEOGRAPHY OF CALIFORNIA
 3.0 Units

GEOG 110 takes a thematic approach to explore California's issues, processes and topics relevant to geography including climate, landforms, natural vegetation, water resources, cultural landscape, ethnic diversity, urban and agricultural regions, and the economy. Students will explore the physical and human landscapes that have evolved due to the human-environment interface. Lecture 3 hours. *Recommended Preparation:* ENGL C1000, ENGL C1000E, or ENGL C1000H, or equivalent. *Transfer Credit:* CSU, UC, USC. (C-ID GEOG 140)

111
PHYSICAL GEOGRAPHY LABORATORY
 1.0 Unit

GEOG 111 is the laboratory course for Physical Geography. Laboratory exercises include the observation and interpretation of weather data, statistical analysis of climate data, development of cartographic techniques, map interpretation, aerial photography interpretation, and landform description and analysis. Local field trips are required. Note: A material/lab fee may be required for this course. Laboratory 3 hours. *Prerequisite* or *Corequisite:* GEOG 101 (may be taken concurrently). *Recommended Preparation:* MATH 15. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU, UC, USC. (C-ID GEOG 111)

155
INTRODUCTION TO GEOGRAPHIC INFORMATION SYSTEMS
 3.0 Units

GEOG 155 is an introduction to Geographic Information Systems (GIS) science including geographic data gathering, analysis, and display through digital methods. GIS is used to explore spatial questions about environmental and social issues. The laboratory component demonstrates these principles through hands-on experience with map making using microcomputers running ArcGIS and other GIS software. Note: Students should have basic familiarity with microcomputers and the Windows operating system. Lecture 2 hours/Laboratory 3 hours. *Prerequisite:* None. *Transfer Credit:* CSU, UC, USC. (C-ID GEOG 155)

160
GEOGRAPHY FIELD STUDIES
 1.0 to 3.0 Units

GEOG 160 is a field-based lecture course that explores the physical and cultural geography of a selected region or regions. Physical and cultural processes, characteristics and landscapes are observed, documented and analyzed. Specific content varies by geographic region, but includes both physical and cultural components. Lecture 1-3 hours. *Recommended Preparation:* ENGL 100 or ESL 151. *Transfer Credit:* CSU. (C-ID GEOG 160)

170
INTRODUCTION TO GLOBAL STUDIES
 3.0 Units

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. Lecture 3 hours. *Recommended Preparation:* ENGL C1000, ENGL C1000E, or ENGL C1000H, or equivalent. *Transfer Credit:* CSU, UC, USC

171
GLOBAL ISSUES
 3.0 Units

GEOG 171 introduces students to the origins, current status, and future trends of major transnational issues confronting the global community. Topics can include population trends, economic development and inequality, basic human needs (for food, water health care), human rights, international conflict and security concerns, and environmental problems. The course also focuses on global governance, including the study of collective global responsibilities. Note: This course is cross-listed with POL S 171 and SOC 171. This course may not be taken for credit by students who have completed POL S 171 or SOC 171. Lecture 3 hours. **Recommended Preparation:** ENGL C1000 or ESL 151, or equivalent. **Transfer Credit:** CSU, UC, USC

GEOLOGY

49
GEOLOGY INDEPENDENT STUDY
 1.0 to 3.0 Units

GEOG 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. Laboratory 3-9 hours. **Prerequisite:** GEOL 102. (GEOL 102 may be taken concurrently.) **Transfer Credit:** CSU

101
PHYSICAL GEOLOGY
 3.0 Units

GEOG 101 is an introduction to the principles of geology with emphasis on Earth processes. This course focuses on the internal structure and origin of the Earth and the processes that change and shape its surface. Note: This course may not be taken for credit by students who have completed GEOL 110. Lecture 3 hours. **Recommended Preparation:** ENGL 100, ENGL 191, or ESL 141, or the equivalent. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU, UC, USC. (C-ID GEOL 100)

101H
HONORS PHYSICAL GEOLOGY
 3.0 Units

GEOG 101H is an introduction to the principles of geology with emphasis on Earth processes. This course focuses on the internal structure and origin of the Earth and the processes that change and shape its surface. The honors course will be enhanced in one or more of the following ways: 1. Students do weekly quantitative problem sets in the geosciences; 2. Students prepare a research project and present it in the class; Relevant topics include: global geochemical cycles, planetary geology from remotely sensed data, problems in plate tectonic, climate change history, and interactions of man with the Earth. Note: This course may not be taken for credit by students who have completed GEOL 110. Lecture 3 hours. **Recommended Preparation:** ENGL 100 or ENGL 191 or ESL 141 and MATH 100. **Transfer Credit:** CSU, UC, USC. (C-ID GEOL 100)

102
ENVIRONMENTAL GEOLOGY
 3.0 Units

GEOG 102 is a study of the earth and its natural hazards like earthquakes, volcanism, climate change, pollution, and human interactions with the earth environment. Lecture 3 hours. **Recommended Preparation:** ENGL 100 or ESL 141, or equivalent. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU, UC, USC. (C-ID GEOL 130)

105
EARTH AND LIFE THROUGH TIME
 3.0 Units

GEOG 105 is an introduction to Earth's history and the life it supports. Subjects include geologic dating, plate tectonics, stratigraphy, fossils, biological evolution, the planet's origin and the processes that have influenced paleogeography during the past 4.6 billion years. Lecture 3 hours. **Recommended Preparation:** GEOL 101 or equivalent and ENGL 100, ENGL 191, or ESL 141, or equivalent. **Transfer Credit:** CSU, UC, USC. (C-ID GEOL 110)

111
PHYSICAL GEOLOGY
LABORATORY
 1.0 Unit

GEOG 111 is an introduction to common laboratory practices and exercises in physical geology, such as identifying common minerals and rocks and understanding simple topographic and geological sections and maps. Note: A material/lab fee may be required for this course. Laboratory 3 hours. **Prerequisite:** GEOL 101 or GEOL 101H. (GEOL 101 or GEOL 101H may be taken concurrently.) Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU, UC, USC. (C-ID GEOL 100L)

111H
HONORS PHYSICAL GEOLOGY
LABORATORY
 1.0 Unit

GEOG 111H is an introduction to common laboratory practices and exercises in physical geology, such as identifying common minerals and rocks and understanding simple topographic and geological sections and maps. The honors course will be enhanced in one or more of the following ways: 1. Lab exercises will regularly involve exercises utilizing skills expected of students who are eligible for Math 110. 2. Students will perform lab exercises in which they will: a.) Learn how to read a geological map at an advanced level b.) Manipulate geophysical and/or geochemical datasets using a computer. c.) Identify a larger number of rocks and minerals than non-honors students. Note: A material/lab fee may be required for this course. Laboratory 3 hours. **Prerequisite:** GEOL 101 or GEOL 101H. (GEOL 101 or GEOL 101H may be taken concurrently.) **Transfer Credit:** CSU, UC, USC. (C-ID GEOL 100L)

112
ENVIRONMENTAL GEOLOGY
LABORATORY
 1.0 Unit

GEOG 112 is an introduction to the common laboratory practices and exercises in environmental geology. Laboratory exercises include analyzing topographic and geological maps and aerial and satellite imagery. Students also identify common mineral and rock samples, water and soil analysis and integrate data from a variety of print and electronic sources to complete problem solving exercises. Laboratory 3 hours. **Prerequisite:** GEOL 102. (GEOL 102 may be taken concurrently.) **Transfer Credit:** CSU, UC, USC

115
EARTH AND LIFE THROUGH TIME
LAB
 1.0 Unit

GEOG 115 is the laboratory component of GEOL 105, Earth and Life through Time lecture. Activities in this laboratory course cover geologic dating, plate tectonics, stratigraphy, fossils, biological evolution, the planet's origin and the processes that have influenced paleogeography during the past 4.6 billion years. Note: Students who completed GEOL 105 prior to Spring 2016 will not receive credit for completion of GEOL 115. Laboratory 3 hours. **Prerequisite:** GEOL 105 (GEOL 105 may be taken concurrently.) **Transfer Credit:** CSU, UC, USC. (C-ID GEOL 110L)

HEALTH

The Kinesiology Division/Health Department offers a variety of courses in the study of community and personal hygiene and first aid/CPR, many of which meet the graduation requirements for Health and First Aid.

Physical activity courses can be found in the Physical Education (PE) department in the catalog. Intercollegiate athletics courses can be found under the Athletic Physical Education department (ATHPE) in the catalog.

Theory courses related to the study of human movement can be found in the Kinesiology (KIN) department in the catalog.

101 FIRST AID 1.0 Unit

HLTH 101 covers prevention and causes of accidents or sudden illness. It meets the requirements of the American Red Cross for certification in Community First Aid and CPR. Lecture 1 hour. **Prerequisite:** None. Course Typically Offered: Winter/Spring/Summer/Fall. **Transfer Credit:** CSU, UC, USC

102 STANDARD FIRST AID AND CPR 3.0 Units

HLTH 102 covers the proper care for emergencies involving adults, children and infants. Students gain the knowledge and skills necessary in an emergency to help sustain life and minimize the consequences of injury or sudden illness until advanced medical help arrives. The course includes first aid, cardiopulmonary resuscitation (CPR), automated external defibrillator (AED), injury management, and disease transmission prevention. This course meets the requirements of the American Red Cross for certification in First Aid/CPR/AED school and community. Lecture/Demonstration 3 hours. **Prerequisite:** None. Course Typically Offered: Winter/Spring/Summer/Fall. **Transfer Credit:** CSU, UC, USC. (C-ID KIN 100)

104 PERSONAL HEALTH AND WELLNESS 3.0 Units

HLTH 104 focuses on the exploration of major health issues and behaviors in the various dimensions of health. The class emphasizes individual responsibility for personal health and the promotion of informed, positive health behaviors. Topics include nutrition, exercise, weight control, mental health, stress management, violence, substance abuse, reproductive health, disease prevention, aging, healthcare, and environmental hazards and safety. Note: This course may not be taken for credit by students who have completed HLTH 106 or PSYCH 111. Lecture 3 hours. **Recommended Preparation:** ESL 151 or ABSE 186 and LIB 100. Course Typically Offered: Winter/Spring/Summer/Fall. **Transfer Credit:** CSU, UC, USC. (C-ID PH 100)

105 INTRODUCTION TO PUBLIC HEALTH 3.0 Units

HLTH 105 presents an overview of the disciplines of community and public health. Topics include the basic concepts and terminologies of public health; an overview of various public health professions and organizations; the study, prevention and control of diseases in the community; the analysis of the social determinants of health; strategies for eliminating disease, illness, and health disparities among various populations; community organizing and health promotion programming; school health promotion; environmental health and safety; and an overview of the healthcare delivery system in the United States, as well as a brief overview of global health issues. Students will gain knowledge and preliminary skills to serve as an effective advocate for community and public health. Lecture 3 hours. **Recommended Preparation:** ABSE 186 or ESL 151 and LIB 100. **Transfer Credit:** CSU, UC, USC. (C-ID PH 101)

106 WOMEN'S HEALTH EDUCATION 3.0 Units

HLTH 106 analyzes the biological, psychological, and sociocultural aspects of women's health, and explores health services, health education, and healthcare delivery systems. Students explore topics including disease development, fitness and nutrition, substance abuse, reproductive health, and age-associated changes. We will also examine social determinants of health and health inequities as well as contemporary issues relating to LGBTQ+ rights, racism, ageism, gender stereotypes and gender roles, politics, and the role of women in the family, workforce, community, and society. In addition, we develop strategies for social and political change. Lecture 3 hours. **Recommended Preparation:** ABSE 186 or ESL 151 and LIB 100. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU, UC, USC. (C-ID PH 116)

107 HEALTH AND SOCIAL JUSTICE 3.0 Units

HLTH 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 SOC S 107. Lecture 3 hours. **Recommended Preparation:** ABSE 186, 187, or ESL 151 and LIB 100. **Transfer Credit:** CSU, UC. (C-ID PH 102)

108 GLOBAL HEALTH 3.0 Units

HLTH 108 introduces the broad and growing field of global health, global health challenges, programs, and policies. Students will discuss how health and illness are defined and explore the biological, cultural, social, and political factors that influence health at a global level. Topics include comparative health systems; emerging global health priorities, such as infectious conditions, poverty, conflicts, and emergencies; social determinants of health; health systems reform; and major global health initiatives for disease prevention and health promotion. Global health ethics, health inequities, and issues of social justice are emphasized. Note: This course may not be taken for credit by students who have successfully completed GEOG 108. Lecture 3 hours. **Recommended Preparation:** ABSE 186, ABSE 187, or ESL 151. **Transfer Credit:** CSU, UC. (C-ID PH 109)

**128
NUTRITION FOR PHYSICAL
FITNESS AND DISEASE
PREVENTION**
3.0 Units

HLTH 128 examines the relationship between nutrition, physical fitness and disease risk in various populations. The impact of food choices on body physiology is explored as it pertains to disease risk and exercise performance. The process of metabolism as a means toward energy production for physical activity and weight management is discussed. Other topics covered include specifics of nutrition labeling, eating disorders, body composition, fitness guidelines, and ergogenic aids. Lecture 3 hours. *Recommended Preparation:* BIOL 115 or equivalent. Course Typically Offered: Fall. *Transfer Credit:* CSU, UC, USC

HISTORY

**48
HISTORY INTERNATIONAL FIELD
STUDIES**
1.0 to 3.0 Units

HIST 48 provides college credit to study history 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

**49
HISTORY INDEPENDENT STUDY**
1.0 to 3.0 Units

HIST 49 provides independent exploration in history to familiarize students with research techniques, career options, and special academic interests in history. 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. Laboratory 3-9 hours. *Corequisite:* Concurrent registration in 6 or more units. *Transfer Credit:* CSU

**101
WORLD HISTORY TO 1500**
3.0 Units

HIST 101 is an introductory course to world history from the Paleolithic period to approximately 1500 CE (Common Era). Students learn how the development of human ideas, arts and institutions influenced the creation and maintenance of major civilizations in Mesopotamia and Egypt, the Indus River valley, the Aegean and Mediterranean regions, and China and the Americas. Students learn the impact of migration and settlement patterns upon geographic regions and understand how religion, philosophy, and technology influenced the human experience. Note: This course may not be taken for credit by students who have completed HIST 140 prior to Fall 2022. Lecture 3 hours. *Recommended Preparation:* ENGL 100 or ESL 151. *Transfer Credit:* CSU, UC. (C-ID HIST 150)

**102
WORLD HISTORY FROM 1500 TO
PRESENT**
3.0 Units

HIST 102 is an introductory course to world history from the 1500s CE (Common Era) to the present. Students learn how the development of human ideas, arts, and institutions influenced the growth of medieval and modern societies. Students learn the impact of various historical forces (cultural, social, economic, political, and geographical) to the rise of the modern world. Note: This course may not be taken for credit by students who have completed HIST 141 prior to Fall 2022. Lecture 3 hours. *Recommended Preparation:* ENGL 100 or ESL 151. *Transfer Credit:* CSU, UC. (C-ID HIST 160)

**102H
HONORS WORLD HISTORY FROM
1500 TO PRESENT**
3.0 Units

HIST 102H is an introductory course to world history from the 1500s CE (Common Era) to the present. Students learn how the development of human ideas, arts, and institutions influenced the growth of medieval and modern societies. Students learn the impact of various historical forces (cultural, social, economic, political, and geographical) to the rise of the modern world. The honors course is enhanced in one or more of the following ways: 1. The course has an increased responsibility for students 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 historical concepts. Note: This course may not be taken for credit by students who have completed HIST 141H prior to Fall 2022. Lecture 3 hours. *Recommended Preparation:* ENGL C1000, ENGL C1000E, or ENGL C1000H, or equivalent. *Transfer Credit:* CSU, UC. (C-ID HIST 160)

**103
HISTORY OF EARLY LATIN
AMERICA**
3.0 Units

HIST 103 surveys Latin America from colonization to independence. Students explore the following topics: the imposition of European civilization in Latin America, the development of the different colonies, colonial institutions, European empires' attempts to monopolize Latin American territories, and the wars of independence. Special attention is given to the short and long-term effects of colonization. The course ends with an introduction to Decolonial Theory. Lecture 3 hours. *Recommended Preparation:* ENGL C1000, ENGL C1000E, or ENGL C1000H, or equivalent. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU, UC, USC

**104
HISTORY OF CONTEMPORARY
LATIN AMERICA**
3.0 Units

HIST 104 is a general survey of 19th and 20th Century Latin American history. Students focus on the political, economic, and social development of Latin America. In addition, the course offers an historical review of U.S. - Latin America relations. The course is designed to acquaint students with the area's basic history to better appreciate and understand contemporary social and political change in Latin American societies. Lecture 3 hours. *Recommended Preparation:* ENGL C1000, ENGL C1000E, or ENGL C1000H, or equivalent. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU, UC, USC

**105
TWENTIETH CENTURY CENTRAL
AMERICA AND THE CARIBBEAN**
3.0 Units

HIST 105 is an introductory course focusing on the contemporary political, economic, and social history in Central America and the Caribbean. Students focus on the 20th century, with particular attention given to the role and impact of United States policy in the region. This class discusses race, gender, ethnicity, and social class in Central America and the Caribbean. Lecture 3 hours. **Recommended Preparation:** ENGL C1000, ENGL C1000E, or ENGL C1000H, or equivalent. **Transfer Credit:** CSU, UC, USC

**106
HISTORY AND POLITICS OF THE
RUSSIAN PEOPLE**
3.0 Units

HIST 106 surveys major political, social, ideological, and economic developments in Russia from the 10th century to the present. Students learn about the Romanov Empire, 19th-century political movements and reforms, early 20th-century revolutions, and the USSR and its collapse. Other regional and international issues involving Russia will also be explored. Lecture 3 hours. **Recommended Preparation:** ENGL C1000, ENGL C1000E, or ENGL C1000H, or equivalent. Course Typically Offered: Spring. **Transfer Credit:** CSU, UC, USC

**111
WOMEN IN AMERICAN HISTORY**
3.0 Units

HIST 111 is a survey of the history of women in America from the colonial period to the present with emphasis on relevant political, economic and social factors. Traditional roles of women as affected by race, ethnicity, and class are analyzed in terms of literary images, popular culture, and stereotypes. The efforts of women to change their traditional roles are examined along with the attitudes and prejudices they encountered from both sexes in their efforts to bring about change. In addition, women's contributions to various wars, reform movements, religious crusades, and the women's rights movements are examined in the context of American history to establish the real contributions women have made to this country. Lecture 3 hours. **Recommended Preparation:** ENGL 100 or ESL 151. Course Typically Offered: Winter/Spring/Summer/Fall. **Transfer Credit:** CSU, UC, USC

**111H
HONORS WOMEN IN AMERICAN
HISTORY**
3.0 Units

HIST 111H is a survey of the history of women in America from the colonial period to the present with emphasis on relevant political, economic and social factors. Traditional roles of women as affected by race, ethnicity, and class are analyzed in terms of literary images, popular culture, and stereotypes. The efforts of women to change their traditional roles are examined along with the attitudes and prejudices they encountered from both sexes in their efforts to bring about change. In addition, women's contributions to various wars, reform movements, religious crusades, and the women's rights movements are examined in the context of American history to establish the real contributions women have made to this country. 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 historical concepts. Lecture 3 hours. **Recommended Preparation:** ENGL 100 or ESL 151. **Transfer Credit:** CSU, UC, USC

**113
HISTORY OF MEXICO**
3.0 Units

HIST 113 is an introduction to major themes in the history of Mexico from the colonial era to the present. Students explore the social, political, and economic conditions in Mexico. Lecture 3 hours. **Recommended Preparation:** ENGL C1000, ENGL C1000E, or ENGL C1000H, or equivalent. Course Typically Offered: Spring. **Transfer Credit:** CSU, UC, USC

**115
REBELLIOUS WOMEN IN MODERN
AMERICA**
3.0 Units

HIST 115 investigates the legal, economic, political and social issues surrounding the dramatic transformation of gender relations in contemporary society. Topics included are women's private lives, public, and political roles, and the public policy that has affected women's lives. The course focuses on leaders of the Women's Movement in the United States who worked to change laws, open doors to new occupations, and create and influence new institutions, as well as old ones. Using biography, primary sources documents, and socio-historical studies, the course focuses on women in the 1940s, then moves forward into the Women's Movement of the 1950s, 1960s, 1970s, and the conservative reactions to the movement in the 1980s and 1990s. Lecture 3 hours. **Recommended Preparation:** ENGL 100 or ESL 151. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU, UC, USC

**116
ECONOMIC HISTORY OF THE
UNITED STATES**
3.0 Units

HIST 116 is a history of the economic development of the United States from its settlement to the present. Topics include: War of Independence, early national development, institution of slavery, regionalism, reconstruction, labor, the industrial revolution, American internationalism, and growth of service industries. Note: This course may not be taken for credit by students who have completed ECON 111. Lecture 3 hours. **Recommended Preparation:** ENGL 100 or ESL 151, or equivalent. Course Typically Offered: Fall. **Transfer Credit:** CSU, UC, USC

**117
UNITED STATES HISTORY 1550-
1877**
3.0 Units

HIST 117 is a survey course that looks in depth at United States history from the Colonial Period to Reconstruction. The English colonies, the Revolutionary War, the Constitution, the New Nation, Jeffersonian and Jacksonian democracy, slavery and the antebellum South, Civil War, and Reconstruction are all examined. Lecture 3 hours. **Recommended Preparation:** ENGL 100 or ESL 151. Course Typically Offered: Winter/Spring/Summer/Fall. **Transfer Credit:** CSU, UC, USC. (C-ID HIST 130)

118
UNITED STATES HISTORY
1865-PRESENT
3.0 Units

HIST 118 is a survey course that looks in depth at United States history from the Reconstruction period to the present. The Reconstruction period, the Gilded Age, Populism and Progressivism, Imperialism, the Great Depression and New Deal, World War II, the Cold War, Vietnam, Watergate, and the Carter, Reagan, Bush, and Obama years, as well as contemporary Twenty-first-century developments, are examined. Lecture 3 hours. *Recommended Preparation:* ENGL C1000, ENGL C1000E, or ENGL C1000H, or equivalent. Course Typically Offered: Winter/Spring/Summer/Fall. *Transfer Credit:* CSU, UC, USC. (C-ID HIST 140)

118H
HONORS UNITED STATES
HISTORY 1865 - PRESENT
3.0 Units

HIST 118H is a survey course that looks in depth at United States history from the Reconstruction period to the present. The Reconstruction period, the Gilded Age, Populism and Progressivism, Imperialism, the Great Depression and New Deal, World War II, the Cold War, Vietnam, Watergate, and the Carter, Reagan, Bush, and Obama years, as well as contemporary Twenty-first-century developments, are examined. 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 historical concepts. Lecture 3 hours. *Recommended Preparation:* ENGL C1000, ENGL C1000E, or ENGL C1000H, or equivalent. *Transfer Credit:* CSU, UC, USC. (C-ID HIST 140)

119
HISTORY OF EAST ASIA
ANTIQUITY-1800
3.0 Units

HIST 119 introduces students to East Asian civilization from antiquity through the nineteenth century. Primary emphasis is placed on China and Japan's political, religious, social, and economic development, with some attention on Korea and Southeast Asia. Lecture 3 hours. *Recommended Preparation:* ENGL C1000, ENGL C1000E, or ENGL C1000H, or equivalent. *Transfer Credit:* CSU, UC, USC

120
HISTORY OF EAST ASIA
1800-PRESENT
3.0 Units

HIST 120 is a general survey of China, Japan, Korea, and Southeast Asia in the international community from the nineteenth century to the present. Students learn about the impact of Western culture and the major political and social movements of the twentieth century, Nationalism, and Communism. Lecture 3 hours. *Recommended Preparation:* ENGL C1000, ENGL C1000E, or ENGL C1000H, or equivalent. Course Typically Offered: Spring. *Transfer Credit:* CSU, UC, USC

121
ARMENIAN HISTORY
3.0 Units

HIST 121 introduces students to the history of the Armenian people from ethnogenesis to the present. Topics include the Artashesian, Arshaguni, Bagratid, and Cilician kingdoms; Armenia under the domination of Persian, Roman, Byzantine, Arab, Mongol, Turkish, and Russian empires; the religious and cultural heritage of the Armenian people; the emergence of the Armenian Question in the 19th Century; World War I and the Armenian Genocide; the first Republic of Armenia and international treaties up to 1923; Soviet Armenia; the Nagorno-Karabakh conflict; re-establishment of an independent Armenian Republic in 1991 and its international relations in the 21st century. Lecture 3 hours. *Recommended Preparation:* ENGL C1000, ENGL C1000E, or ENGL C1000H, or equivalent. Course Typically Offered: Fall. *Transfer Credit:* CSU, UC, USC

122
CALIFORNIA HISTORY
3.0 Units

HIST 122 is a survey of the discovery, exploration, and settlement of California. Students are introduced to topics including the development of particular political, economic, and social institutions in addition to California's relationships with the United States and the rest of the world. Lecture 3 hours. *Recommended Preparation:* ENGL C1000, ENGL C1000E, or ENGL C1000H, or equivalent. Course Typically Offered: Spring. *Transfer Credit:* CSU, UC, USC

131
A HISTORY OF AFRICA SINCE 1800
3.0 Units

HIST 131 surveys Africa's development from 1800 to the present. Students explore themes such as colonization and underdevelopment, neo-colonialism, nationalism, and African independence movements. Case studies of individual African countries are used to analyze the various themes. Lecture 3 hours. *Recommended Preparation:* ENGL C1000, ENGL C1000E, or ENGL C1000H, or equivalent. *Transfer Credit:* CSU, UC, USC

132
HISTORY OF THE PHILIPPINES
3.0 Units

HIST 132 examines the geographical, cultural, and historical realities of the Philippines from the Spanish colonial period until the present. The course emphasizes to students the past and present U.S.-Philippine relations and the contemporary social, economic, and political situation in the Philippines. Lecture 3 hours. *Recommended Preparation:* ENGL C1000, ENGL C1000E, or ENGL C1000H, or equivalent. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU, UC, USC

133
HISTORY OF SCIENCE
3.0 Units

HIST 133 is a seminar, colloquial-style discussion that examines the forces in history that led to the development of the scientific method and the relevance of the idea of Scientific Revolutions. Students explore the development of science in Western civilization. Topics include how science is impacted by socio-political developments, race, and gender while presenting an overview of key turning points such as the Copernican Revolution, the Newtonian Revolution, the Darwinian Revolution, Pasteur and the medical revolution, and the Einstein Revolution. Take this course to understand how major shifts in scientific thinking have shaped modern industrialized society and its culture. Lecture 3 hours. *Recommended Preparation:* ENGL C1000, ENGL C1000E, or ENGL C1000H, or equivalent. Course Typically Offered: Spring. *Transfer Credit:* CSU, UC, USC

133H HONORS HISTORY OF SCIENCE 3.0 Units

HIST 133H is a seminar, colloquial-style discussion that examines the forces in history that led to the development of the scientific method and the relevance of the idea of Scientific Revolutions. Students explore the development of science in Western civilization. Topics include how science is impacted by socio-political developments, race, and gender while presenting an overview of key turning points such as the Copernican Revolution, the Newtonian Revolution, the Darwinian Revolution, Pasteur and the medical revolution, and the Einstein Revolution. Take this course to understand how major shifts in scientific thinking have shaped modern industrialized society and its culture. The honors course is enhanced in one or more of the following ways: 1. Students complete additional readings from the geographic literature and answer additional test questions. 2. Additional homework assignments focused on critical thinking and geographic analysis. 3. Students complete an original, individual research project or paper and present the findings to the class. Lecture 3 hours. **Recommended Preparation:** ENGL C1000, ENGL C1000E, or ENGL C1000H, or equivalent. **Transfer Credit:** CSU, UC, USC

135 THE VIETNAM WAR AND CULTURAL LEGACIES 3.0 Units

HIST 135 examines the history of U.S. involvement in Southeast Asia during the twentieth century and the legacies of the Vietnam War up to the present. The course surveys the histories of Chinese influence in the region, French colonialism, and the different phases of U.S. commitment. It studies wartime experiences on the U.S. home front, the Cold War conflict and rivalry, and decolonization across the world. The course also explores how Vietnam continues to influence the U.S. as shown in its foreign policy and subsequent wars, its political debates, and its popular culture. Lecture 3 hours. **Recommended Preparation:** ENGL C1000, ENGL C1000E, or ENGL C1000H, or equivalent. **Transfer Credit:** CSU, UC, USC

136 WAR: HISTORY CAUSES SOLUTIONS 3.0 Units

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. Lecture 3 hours. **Recommended Preparation:** ENGL C1000, ENGL C1000E, or ENGL C1000H, or equivalent. Course Typically Offered: Fall. **Transfer Credit:** CSU, UC, USC

152 SOCIAL PROTEST IN THE 1960'S 3.0 Units

HIST 152 introduces students to the history of protest movements in the 1960s, focusing on the period 1954-1974. Students learn about the social conditions that gave rise to protest movements, the goals, internal dynamics, leadership, strategy and tactics used by these movements and the impact the various protest movements had on the society within which they existed. Particular emphasis is placed on an examination of the civil rights movements, the student movement, the anti-Vietnam movement, the minority empowerment movements, the women's movement and counter-culture. Lecture 3 hours. **Recommended Preparation:** ENGL C1000, ENGL C1000E, or ENGL C1000H, or equivalent. Course Typically Offered: Spring. **Transfer Credit:** CSU, UC, USC

170 WESTERN CIVILIZATION I 3.0 Units

HIST 170 studies the growth of Western European civilization from the decline of the Roman Empire to the Reformation. It is an introduction to the study of history, giving a general perspective of the development of those political, economic, and social institutions that explain our present-day civilization. An attempt is made to orient the student's thinking to present world problems. Note: This course may not be taken for credit by students who have completed HIST 101 prior to Fall 2021. Lecture 3 hours. **Recommended Preparation:** ENGL 100 or ESL 151. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU, UC, USC. (C-ID HIST 170)

180 WESTERN CIVILIZATION II 3.0 Units

HIST 180 studies the growth of Western European civilization from absolutism to the present. It is an introduction to the study of history, giving a general perspective of the development of those political, economic, and social institutions that explain our present-day civilization. An attempt is made to orient the student's thinking to present world problems. Note: Students who have taken HIST 109 will receive only 1 unit for HIST 102. Note: This course may not be taken for credit by students who have completed HIST 102 prior to Fall 2021. Lecture 3 hours. **Recommended Preparation:** ENGL 100 or ESL 151. Course Typically Offered: Winter/Spring/Summer/Fall. **Transfer Credit:** CSU, UC, USC. (C-ID HIST 180)

HOTEL RESTAURANT MANAGEMENT

50 HRM INTERNSHIP 1.0 to 3.0 Units

HRM 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, Hotel and Restaurant Management 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, HRM. 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. Laboratory 3-9 hours. **Recommended Preparation:** ENGL C1000 or ESL 141, or equivalent. **Transfer Credit:** CSU

115 INTRODUCTION TO HOSPITALITY 3.0 Units

HRM 115 provides an overview of the hospitality industry with an emphasis on career opportunities, customer service, and personal success strategies. Brief history, description and interrelationships of key leisure industry segments emphasizing the application of technology, ethics, leadership, teams, critical thinking, and service standards for the food service, lodging, and travel-related businesses. Lecture 3 hours. **Prerequisite:** None. **Transfer Credit:** CSU. (C-ID HOSP 100)

117 FOOD BEVERAGE AND LABOR COST CONTROL

3.0 Units

HRM 117 is an analysis of menu planning procedures: Inventories, costs, profit and loss sheets, menu work sheets, and weight and measures in quality recipes. Students learn to prepare weekly, monthly, and annual reports and determine food cost per meal, labor cost per meal, operational and total cost per meal. Lecture 2 hours/Laboratory 3 hours. *Prerequisite:* None. *Transfer Credit:* CSU. (C-ID HOSP 120)

201 FOOD AND BEVERAGE OPERATIONS MANAGEMENT

3.0 Units

HRM 201 covers the common principles of managing commercial and noncommercial food service operations. The course explores such areas as the varieties of food service operations, sales and promotions, labor management issues, technology, training, service styles and menu planning. Lecture 3 hours. *Prerequisite:* None. (C-ID HOSP 130)

203 CATERING AND BANQUET OPERATIONS

3.0 Units

HRM 203 introduces the hospitality student to the hands-on mechanics of catering and banquet services in the hospitality industry and provides a checklist of details, tips, and ideas on properly managing a banquet event. Additional emphasis is placed on the management of on-premise and off-premise catering events. Lecture 2 hours/Laboratory 3 hours. *Prerequisite:* None. *Transfer Credit:* CSU

214 BEVERAGE AND BAR OPERATIONS

3.0 Units

HRM 214 is an overview of the beverage industry with emphasis on the identification, use, and service of alcoholic beverages. There is an in-depth analysis of the various elements of beverage operations including purchasing, cost control, marketing, and management as well as an understanding of the history and use of wine, beer and spirits. There is an additional emphasis on researching the current trends in the beverage industry, e.g. smoothie concepts, juice bars, coffee and tea bars, etc. The course prepares students for the National Restaurant Association's ServSafe Alcohol Examination. Lecture 2 hours/Laboratory 3 hours. *Prerequisite:* None.

216 WINE SELECTION AND PRESENTATION

3.0 Units

HRM 216 is an introductory course designed to provide students with an understanding of winemaking, including history, grape growing techniques, wine varieties and styles, fermentation, and winery and cellar operations. The course includes wine tasting and field trip to a winery. Note: Students must be at least 21 years of age and possess a valid form of picture identification to verify age. Lecture 3 hours. *Prerequisite:* None.

222 INTRODUCTION TO HOTEL AND RESORT OPERATIONS

3.0 Units

HRM 222 focuses on the development of the core competencies required of a hotel/resort manager in preparation for successful management careers and leadership roles in the hotel and resort industry. Students will explore the following topics: front office, housekeeping, food and beverage, sales and marketing, accounting, property maintenance, human resources management and information systems. Lecture 3 hours. *Prerequisite:* None. *Transfer Credit:* CSU. (C-ID HOSP 140)

256 MANAGEMENT OF INSTITUTIONAL FOODSERVICE AND HOSPITALITY PERSONNEL AND OPERATIONS

3.0 Units

HRM 256 covers management skills for students pursuing a career in supervision within the restaurant/hospitality/healthcare industry. It includes the application of basic management concepts and techniques necessary in achieving objectives in the management of human resources and foodservice operations. Using case studies, students analyze the hospitality workplace, management responsibilities in budgeting for the operations as well as coaching, training, and communicating with the workforce. Decision making and leadership development is also discussed. Lecture 3 hours. *Recommended Preparation:* ENGL C1000 or ESL 141, or equivalent. *Transfer Credit:* CSU. (C-ID HOSP 170X)

HUMANITIES

105 THE HUMAN STRUGGLE

3.0 Units

HUMAN 105 is an interdisciplinary, intercultural course designed to challenge students to further develop critical reading, writing, and thinking abilities through comparative study of materials from literature and various disciplines. Students evaluate some of the most relevant issues faced by people of the United States and other cultures throughout history, with emphasis on values and ethics. The course examines the creative impulses and destructive forces that have influenced the human struggle for order, acceptance, knowledge, understanding, self expression, power, freedom, individuality and survival. Students improve their abilities to analyze, synthesize, develop original ideas, distinguish fact from opinion or belief, and use logic and reason in language and thought to determine whether the solutions of the past are compatible with the problems of today and tomorrow. Writing instruction focuses on improving advanced composition skills. The course may be team-taught. Lecture 3 hours. *Recommended Preparation:* ENGL C1000 or ESL 151, or equivalent. Course Typically Offered: Winter/Spring/Summer/Fall. *Transfer Credit:* CSU, UC, USC

**105H
HONORS THE HUMAN STRUGGLE**
3.0 Units

HUMAN 105H is an interdisciplinary, intercultural course designed to challenge students to further develop critical reading, writing, and thinking abilities through comparative study of materials from literature and various disciplines. Students evaluate some of the most relevant issues faced by people of the United States and other cultures throughout history, with emphasis on values and ethics. The course examines the creative impulses and destructive forces that have influenced the human struggle for order, acceptance, knowledge, understanding, self expression, power, freedom, individuality and survival. Students improve their abilities to analyze, synthesize, develop original ideas, distinguish fact from opinion or belief, and use logic and reason in language and thought to determine whether the solutions of the past are compatible with the problems of today and tomorrow. Writing instruction focuses on improving advanced composition skills. The course may be team-taught. The honors course will be enhanced in one or more of the following ways: 1. Accelerated standards of reading levels, emphasizing primary sources. 2. Accelerated standards of critical thinking, including critical writing and thesis-based essay exams. Lecture 3 hours. *Recommended Preparation:* ENGL C1000 or ESL 151, or equivalent. *Transfer Credit:* CSU, UC, USC

**106
CULTURES AND MEANING**
3.0 Units

HUMAN 106 is an interdisciplinary course that emphasizes the complex relationship between culture and meaning. Students are encouraged to read, think, discuss and write critically about the concept of modernity, as interpreted from different cultural perspectives. By comparing several literary and scholarly texts, students address several intersectional problems including: identity formation; the politics of representation; technologies; translations; social transformations; and globalization. Lecture 3 hours. *Recommended Preparation:* ENGL 100 or ESL 151. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU, UC, USC

**110
SCIENCE LITERATURE AND
HUMAN INSIGHT**
3.0 Units

HUMAN 110 is an interdisciplinary, intercultural course in which students further apply the principles of critical thinking and comparative critical analysis in order to better understand the relationships among literature, science, and technology. Through directed reading, class discussion, and writing, students develop logical thought processes enabling them to reason, inductively and deductively, to distinguish fact from judgment, to examine evidence and credibility of sources, to propose new ideas, and to reach logical conclusions. Through their study of literature, students learn about human values, behavior and motivations; through their study of scientific and technological achievements, they learn about the methods and limitations of science. Major historical and contemporary themes linking science and literature are presented for evaluation. This course may be team taught. Lecture 3 hours. *Recommended Preparation:* ENGL 100 or ESL 151. *Transfer Credit:* CSU, UC, USC

**111
IRISH HISTORY LITERATURE AND
CULTURE FROM THE BEGINNING
TO THE PRESENT**
3.0 Units

HUMAN 111 is a broad-based, interdisciplinary team-taught course that covers the entire history of Ireland: its mythology, folklore, art, music, literature, and major political events. The course also focuses on the impact of Irish culture on England, Europe, Spain, Canada, and the United States through the centuries. Through assigned readings, discussions, and writing, the students gain critical insights into the causes and consequences of Ireland's turbulent history and struggle for independence as well as its literary and sociopolitical contributions to world culture and civilization. Lecture 3 hours. *Recommended Preparation:* ENGL 100 or ESL 151. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU, UC, USC

**115
WORLD MYTHOLOGY**
3.0 Units

HUMAN 115 is an interdisciplinary course in which students explore how myths give meaning to human experience. The field of mythological studies examines how mythological stories illuminate the worldview of a people or group, account for a practice or a belief, or explain a natural phenomenon. Students will compare myths from several cultures from the perspectives of the cultures where they originate, explore the different ways these manifest as collective experiences, and investigate their continuing relevance to our contemporary lives. Lecture 3 hours. *Recommended Preparation:* ENGL C1000 or ESL 151, or equivalent. Course Typically Offered: Winter/Spring/Summer/Fall. *Transfer Credit:* CSU, UC, USC

**117
CREATIVITY AND CULTURE**
3.0 Units

HUMAN 117 focuses on creativity and innovation in a variety of cultures and periods, including applications within literature, art, drama, music, architecture, film, athletics, dance and movement, as well as in science, technology, engineering, education, mathematics, and business and law. Examining the relationships of creativity to other areas of college study, the course recognizes that creative works are components of larger patterns. Students explore creativity theories and concepts, "creatives", and creative works from a wide variety of media and appraise the interrelationships of creativity and surrounding cultures, exploring the creative process and asking what has led to, as well as what results from, field-specific creative work as well as interdisciplinary expressions. Students learn to analyze, synthesize, draw inferences, propose new ideas, support theses, reach logical conclusions, and become active participants in creative processes. This course may be team-taught. Lecture 3 hours. *Recommended Preparation:* ENGL 100 or ESL 151. *Transfer Credit:* CSU, UC, USC

**125
CROSSCURRENTS: AMERICAN
SOCIAL VALUES****3.0 Units**

HUMAN 125 is an interdisciplinary course designed to enrich students' knowledge and understanding of the cultural influences of ethnic, racial and gender diversity in the shaping of American society-past and present-and to enable them to speculate critically on American society in the future. Students analyze materials from literature, history, and other disciplines. The course explores the development and current reality of commonly held American ideals, attitudes and institutions and their role in the unique balance between freedom and responsibility. Students are encouraged to develop their critical thinking skills through reading, writing, and discussion. This course may be interactively team-taught. Lecture 3 hours. **Recommended Preparation:** ENGL 100 or ESL 151. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU, UC, USC

**135
HUMANITIES AND THE WORLD OF
WORK****3.0 Units**

HUMAN 135 is an interdisciplinary course that combines instruction in fiction and nonfiction, film, ethics, problem solving, and decision making to help students examine today's multicultural society and workplace and develop values that may influence their personal and professional growth throughout their lives. Students analyze and discuss contemporary issues, problems and trends, and become familiar with the history of discrimination on the basis of color, ethnicity, gender, and sexual orientation and the impact of this discrimination on educational opportunities, career choice, and employability. Students participate in group and individual activities designed to develop and reinforce analytical skills. They also keep journals in which they react to assignments and class presentations. Critical analysis of course materials helps students learn to deal with a variety of situation and tasks they may encounter in their career fields. Lecture 3 hours. **Recommended Preparation:** ENGL C1000 or ESL 151, or equivalent. Course Typically Offered: Winter/Spring/Summer/Fall. **Transfer Credit:** CSU, UC

**140
ARMENIAN-AMERICAN
EXPERIENCE THROUGH ARTS
AND LETTERS****3.0 Units**

HUMAN 140 is an interdisciplinary course examining the experience of Armenians in the United States through the arts in the 20th and 21st centuries. Through the study of literature, art, music, film, comedy, architecture, and other creative expressions, this course will study how Armenian-Americans negotiate their identity and develop a notion of selfhood that is, simultaneously, rooted yet mercurial, endangered yet resilient. This course encourages students to think critically about evolving definitions of nationality, examine cultural norms and stereotypes, and understand the unique diasporic experience of Armenians in America. This course may be interactively team-taught by faculty in English, social science, or visual and performing arts. Lecture 3 hours. **Recommended Preparation:** ENGL C1000, ENGL C1000E, or ENGL C1000H, or equivalent. **Transfer Credit:** CSU, UC, USC

**145
HUMAN RESPONSES TO CLIMATE
CRISIS****3.0 Units**

HUMAN 145 is an interdisciplinary course that addresses the climate crisis through the lens of the humanities. With the scientific underpinnings of climate science, including geology and oceanography, students will explore how human thought, culture, and artistic expression reflect and respond to this global crisis. The course emphasizes that emotional and cultural resonances are often more impactful than data alone, that hope is a necessary climate change resource, and that various communities, cultures, and nations have already enacted many solutions. This course may be team-taught. Lecture 3 hours. **Recommended Preparation:** ENGL C1000 or ESL 151, or equivalent. **Transfer Credit:** CSU, UC

INDEPENDENT STUDIES**49
INDEPENDENT STUDIES
1.0 TO 3.0 Units**

Independent Study provides motivated students with an opportunity to explore subjects in greater depth. Emphasis may be on individual projects, research, and presentations. There is no prescribed course content. Students develop a portfolio or research project, have it approved by the sponsoring instructor and appropriate division chairperson, then submit or present the finished product. **Note:** Registration is open to any student at GCC who is currently registered for 6 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 6 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. This course is offered in the following disciplines listed by division: Biology: BIOL; Business: CS/IS, English: ENGL; Health Science: NS; Kinesiology: PE; Language Arts: ASL; ITAL; JOURN; KOREA; MCOMM; SPAN; SPCH; Mathematics: MATH; Physical Science: ASTRO; CHEM; GEOL; OCEAN; PHY; Social Science: ANTHR; CHLDV; ECON; ETH S; GEOG; HIST; PHILO; PSYCH; POLS; SOC; Student Services: ST DV; Technology & Aviation: AT; ENGR; WELD; Visual & Performing Arts: ART; DANCE; FTVM; MUSIC; PHOTO; THTR. Laboratory 3-9 hours. **Prerequisite:** Concurrent registration in 6 or more units. **Transfer Credit:** CSU

INTERNATIONAL FIELD STUDIES

48

INTERNATIONAL FIELD STUDIES

1.0 to 3.0 Units

International Field Studies provides college credit for travel and study in foreign countries. Under the direction of a Glendale Community College instructor, students participate in a study abroad program approved by the College. Students are responsible for paying program fees. **Note:** This course may be taken 4 times; a maximum of 12 units may be earned. Each repetition must be in a different country and/or area of the world. This course may be offered in any of these disciplines: ANTHR, ART, BIOL, CHLDV, ECON, ENGL, ETH S, FREN, GEOG, HIST, ITAL, JAPAN, KIN, LIB, PHILO, POLS, PSYCH, SOC, SPAN, SPCH, ST DV. Lecture 1-3 hours/Laboratory-Studio 2-9 hours. **Prerequisite:** Concurrent registration in 6 or more units. **Transfer Credit:** CSU.

INTERNSHIP

50

INTERNSHIP

1.0 to 3.0 Units

Internship is a self-motivated course which allows students to earn from 1-3 units for structured supervised work off campus under supervision of a faculty advisor. It is designed to provide students with appropriate preparation, a hands-on discipline-linked work experience that will extend their knowledge and understanding of career demands in a field. This course is listed in the following disciplines: ACCTG, ADST, ARCH, ART, AT, BIOL, BUSAD, CHEM, CHLDV, CS/IS, DANCE, ECT, ENGR, FTVM, GEOG, HRM, JOURN, MCOMM, MUSIC, PE, PHOTO, PHY, POLS, RE, SOC, SOCS, THTR. **Note:** This course is a Pass/No Pass only. **Note:** Students must arrange an approved internship prior to enrolling in this class. **Recommended Preparation:** ENGL C1000 or ESL 151, or equivalent. **Transfer Credit:** CSU

51

TEAM INTERNSHIP

1.0 Unit

INT 51 is an interdisciplinary course that allows students to earn course credit for a structured, supervised, on-campus Team Internship under the supervision of a faculty coach. It is designed to help students prepare for entry into the workforce by providing hands-on work experience in partnership with an external business partner. The purpose of this course is to enhance students' knowledge about a certain career sector, increase professional competency in their future career, and develop the soft skills that employers desire: cross-disciplinary teamwork, communication, critical thinking, cultural wealth, problem solving, and public presentation. This course is recommended for students who can work independently and as part of a team, and requires faculty coach approval to register. **Note:** Students must apply for the program and be admitted as an intern prior to enrolling in this course. Successful completion of at least 6 units at Glendale Community College is required before attempting an internship. **Note:** This course is Pass/No Pass only. Lecture 0.5 hour/Laboratory 1.5 hours. **Recommended Preparation:** ESL 141. **Transfer Credit:** CSU

ITALIAN

48

ITALY INTERNATIONAL FIELD STUDIES

1.0 to 3.0 Units

ITAL 48 provides college credit for travel and study in foreign countries. Under the direction of a Glendale Community College instructor, students participate in a study abroad program approved by the College. Students are responsible for paying program fees. This course may be offered in other disciplines. **Note:** This course may be taken 4 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. **Corequisite:** Concurrent registration in 6 or more units or equivalent. **Transfer Credit:** CSU

49

ITALIAN INDEPENDENT STUDY

1.0 to 3.0 Units

ITAL 49 provides motivated students with an opportunity to explore a subject in greater depth than usual, to familiarize students with some basic research techniques, to interest students in possible career areas, and to take advantage of special academic interests. Emphasis shall be on individual research projects, library research and/or preparation of research papers. There is no prescribed course content. Students develop a research project, have it approved by the sponsoring instructor and appropriate division chairperson, and complete the project in accordance with an instructor-approved program. **Note:** Registration is open to any student at GCC who is currently registered for 6 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 6 units per division. The units received may be acceptable for college transfer subject to the approval of the individual college. Laboratory 3-9 hours. **Corequisite:** Concurrent registration in 6 or more units. **Transfer Credit:** CSU

101

BEGINNING ITALIAN I

5.0 Units

ITAL 101 teaches the fundamentals of Italian grammar. Students learn to pronounce Italian correctly, to acquire a small working vocabulary which they use in conversation and writing, and to read simple Italian. **Note:** This course is not intended for students with oral proficiency or who have attended schools where Italian was the language of instruction. Lecture 5 hours. **Recommended Preparation:** ENGL C1000 or ESL 151, or equivalent. Course Typically Offered: Winter/Spring/Summer/Fall. **Transfer Credit:** CSU, UC, USC

102

BEGINNING ITALIAN II

5.0 Units

ITAL 102 is a continuation of Italian 101 and completes the elementary grammar. It includes the reading of simplified texts with emphasis on oral expressions, and further study of Italian history and culture. Lecture 5 hours. **Prerequisite:** ITAL 101 or equivalent. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU, UC, USC

103 INTERMEDIATE ITALIAN I 5.0 Units

ITAL 103 includes further study of Italian grammar. The purpose of the course is to train students in reading comprehension of intermediate prose with stress on documentary aspects of Italian life, character analysis, and the study of ideas. Oral and written discussions are stressed. Lecture 5 hours. *Prerequisite:* ITAL 102 or equivalent. Course Typically Offered: Fall. *Transfer Credit:* CSU, UC, USC

104 INTERMEDIATE ITALIAN II 5.0 Units

ITAL 104 completes the review of the fundamentals of grammar. The purpose of the course is to train students in reading intermediate prose of increasing difficulty with stress on the study of ideas. The training also includes oral discussion and written exposition. Lecture 5 hours. *Prerequisite:* ITAL 103 or equivalent. Course Typically Offered: Spring. *Transfer Credit:* CSU, UC, USC

130 ITALIAN CULTURE AND CIVILIZATION THROUGH CINEMA 3.0 Units

ITAL 130 analyzes the social, economic, religious and political evolution of Italian culture as seen through Italian cinema from the beginning of the 20th century to the present. Lecture 3 hours. *Recommended Preparation:* ENGL C1000 or ESL 151, or equivalent. *Transfer Credit:* CSU, UC, USC

JAPANESE

48 JAPANESE INTERNATIONAL FIELD STUDIES 1.0 to 3.0 Units

JAPAN 48 provides college credit for travel and study in foreign countries at the student's own expense in programs provided by agencies approved in advance by the College and under the direction of a Glendale Community College instructor. Note: This course may be taken up to 4 times; a maximum of 12 units may be earned. Lecture 1-3 hours. *Prerequisite:* Concurrent registration in 6 or more units. *Transfer Credit:* CSU

101 BEGINNING JAPANESE I 5.0 Units

JAPAN 101 presents the fundamentals of Japanese grammar within a cultural context. The students are trained to pronounce correctly, to acquire a small working vocabulary for conversation and writing, and to read and write hiragana, katakana, and some kanji (native Japanese alphabets). Note: This course is not intended for students with oral proficiency or who have attended schools where Japanese was the language of instruction. Lecture 5 hours. *Recommended Preparation:* ESL 141. Course Typically Offered: Winter/Spring/Summer/Fall. *Transfer Credit:* CSU, UC, USC

102 BEGINNING JAPANESE II 5.0 Units

JAPAN 102 students continue to learn the fundamentals of Japanese grammar within a cultural context. Students receive further training in correct pronunciation and continue to learn kanji (Chinese characters). Students also continue practicing hiragana and katakana. Discussions in Japanese stress verb forms and vocabulary building. Lecture 5 hours. *Prerequisite:* JAPAN 101 or equivalent. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU, UC, USC

103 INTERMEDIATE JAPANESE I 5.0 Units

JAPAN 103 continues the study of Japanese grammar and vocabulary and begins the study of short narrative writings. Conversational fluency, composition writing and familiarity with Japanese culture are emphasized in this course. Emphasis is placed on the customs, culture, and institutions of the Japanese people. Students continue developing their skills using hiragana and katakana and learn 100 new kanji. Lecture 5 hours. *Prerequisite:* JAPAN 102 or equivalent. Course Typically Offered: Fall. *Transfer Credit:* CSU, UC, USC

104 INTERMEDIATE JAPANESE II 5.0 Units

JAPAN 104 completes the study of Japanese grammar and continues the study of short narrative writings. Conversational fluency, vocabulary building, composition writing and increased familiarity with Japanese culture are emphasized in this course. Emphasis is placed on the customs, culture, and institutions of the Japanese people. Students continue developing their skills using hiragana and katakana and learn 250 new kanji. Lecture 5 hours. *Prerequisite:* JAPAN 103 or equivalent. Course Typically Offered: Spring. *Transfer Credit:* CSU, UC, USC

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:* CSU, UC

JOURNALISM

49 JOURNALISM INDEPENDENT STUDY 1.0 to 3.0 Units

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. Laboratory 3-9 hours. *Prerequisite:* JOURN 103 and JOURN 104. *Corequisite:* Concurrent registration in 6 or more units. *Transfer Credit:* CSU

50 JOURNALISM INTERNSHIP

1.0 to 3.0 Units

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. Laboratory 3-9 hours. **Prerequisite** or **Corequisite**: Enrollment in appropriate discipline-specific theory or lab course at GCC. **Recommended Preparation**: ENGL 101 or ESL 141. **Transfer Credit**: CSU

102 REPORTING THE NEWS

3.5 Units

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. Lecture 3 hours/Laboratory 1.5 hour. **Recommended Preparation**: ENGL C1000 or ESL 151, or equivalent. Course Typically Offered: Winter/Spring/Summer/Fall. **Transfer Credit**: CSU, UC. (C-ID JOUR 110)

103 STUDENT PUBLICATIONS STAFF

3.0 Units

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. Lecture 2 hours/Laboratory 3 hours. **Recommended Preparation**: JOURN 102 and ENGL C1000 or ESL 151, or equivalent. Course Typically Offered: Fall/Spring. **Transfer Credit**: CSU. (C-ID JOUR 130)

104 STUDENT PUBLICATIONS EDITOR

3.0 Units

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. Lecture 2 hours/Laboratory 3 hours. **Prerequisite**: JOURN 103 or equivalent. Course Typically Offered: Fall/Spring. **Transfer Credit**: CSU. (C-ID JOUR 131)

106 INTRODUCTION TO BROADCAST JOURNALISM

3.5 Units

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. Lecture 3 hours/Laboratory 1.5 hour. **Prerequisite**: None. Course Typically Offered: Fall. **Transfer Credit**: CSU

107 MAGAZINE WRITING

3.0 Units

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. Lecture 3 hours. **Recommended Preparation**: ENGL C1000 or ESL 151, or equivalent. Course Typically Offered: Spring. **Transfer Credit**: CSU

110 PHOTOJOURNALISM

3.0 Units

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. Lecture 2 hours/Laboratory 3 hours. **Recommended Preparation**: PHOTO 100 and PHOTO 101 and ENGL C1000 or ESL 151. Course Typically Offered: Every Other Year. **Transfer Credit**: CSU. (C-ID JOUR 160)

210 ADVANCED NEWS WRITING

3.5 Units

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. Lecture 3 hours/Laboratory 1.5 hour. **Prerequisite**: JOURN 102 or equivalent. **Transfer Credit**: CSU. (C-ID JOUR 210)

250 VISUAL COMMUNICATION

3.5 Units

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. Lecture 3 hours/Laboratory 1.5 hour. **Recommended Preparation**: ENGL C1000 or ESL 151, or equivalent. Course Typically Offered: Fall/Spring. **Transfer Credit**: CSU. (C-ID JOUR 170)

KINESIOLOGY

**48
KINESIOLOGY INTERNATIONAL
FIELD STUDY****1.0 to 3.0 Units**

KIN 48 provides college credit for travel and study in foreign countries at the student's own expense in programs provided by agencies approved in advance by the College and under the direction of a Glendale Community College instructor. Note: This course may be taken up to 4 times; a maximum of 12 units may be earned. Lecture 1-3 hours. **Prerequisite:** Concurrent registration in 6 or more units. **Transfer Credit:** CSU

**50
INTERNSHIP IN KINESIOLOGY****1.0 to 3.0 Units**

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. Laboratory 3-9 hours. **Prerequisite:** Enrollment in appropriate Kinesiology theory or lab course at GCC. **Recommended Preparation:** ENGL C1000 or ESL 151, or equivalent. **Transfer Credit:** CSU

**100
INTRODUCTION TO KINESIOLOGY**
3.0 Units

KIN 100 is designed for students who are interested in pursuing a career in the field of kinesiology, exercise science, or physical education. An overview of the importance of the following sub-disciplines in kinesiology are included: philosophy, history, scientific foundations of physical education, exercise science, health/wellness, fitness/sport, and the future of kinesiology. Topics explored include professional career opportunities in teaching, coaching, athletic training, sport management, fitness leadership and health/wellness. Note: Recommended for physical education majors. This course will not fulfill physical education activity requirements. Lecture 3 hours. **Recommended Preparation:** ESL 151 or ABSE 186 and LIB 100. Course Typically Offered: Fall. **Transfer Credit:** CSU, UC, (C-ID KIN 100)

**144
BASEBALL THEORY**
2.0 Units

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. Lecture 2 hours. **Recommended Preparation:** Knowledge of Baseball fundamentals. Course Typically Offered: Spring. **Transfer Credit:** CSU, UC, USC

**146
ADVANCED BASEBALL THEORY**
2.0 Units

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. Lecture 2 hours. **Prerequisite:** KIN 144 (KIN 144 may be taken concurrently). Course Typically Offered: Fall. **Transfer Credit:** CSU, UC, USC

**151
APPLIED EXERCISE SCIENCE**
4.0 Units

KIN 151 introduces the student to the fundamental scientific concepts applicable to exercise and physical fitness. Areas of study include: functional anatomy, kinesiology, biomechanics and exercise physiology, and the course addresses acute and chronic effects of exercise with practical applications to fitness programming and instruction. This course also prepares students for the scientific content requirements that are common to the certified personal trainer (CPT) and group fitness instructor (GFI) exams offered by several national certification agencies. Lecture 3 hours/Laboratory 3 hours. **Recommended Preparation:** ABSE 186, ABSE 187, or ESL 151 and BIOL 115. **Transfer Credit:** CSU, UC

**155
FOUNDATIONS FOR GROUP
EXERCISE INSTRUCTION**
3.0 Units

KIN 155 covers the theory and practice of designing and leading group exercise classes. This course covers critical competencies required for students interested in taking the certified Group Fitness Instructor (GFI) exams offered by several national certification agencies. The foundations for group exercise instruction include: safety and risk management, group exercise session design, effective demonstration, delivery and motivation, specialized group exercise certifications, and considerations for participant needs. The course also cover emerging group fitness formats, virtual group fitness and creating inclusive group exercise classes. Lab includes practical experience leading group exercise sessions. Lecture 2 hours/Laboratory 3 hours. **Recommended Preparation:** KIN 167, BIOL 115, and ABSE 186, ABSE 187, or ESL 151. **Transfer Credit:** CSU

**156
FOUNDATIONS FOR PERSONAL
FITNESS TRAINING**
4.0 Units

KIN 156 covers the theory and practice of individualized exercise prescription for personal training. The course covers critical competencies required for students interested in taking the certified personal trainer (CPT) exams offered by several national certification agencies. The foundations for personal training include: exercise science review, health risk stratification, fitness assessment, fitness program and session design, proper execution of exercises, technique cuing and error correction, lifestyle coaching skills and considerations for special populations. The lab provides students practical application of knowledge and skills in personal training. Lecture 3 hours/Laboratory 3 hours. **Recommended Preparation:** BIOL 115 and KIN 167, KIN 168, or KIN 151, and ABSE 186, ABSE 187, or ESL 151. **Transfer Credit:** CSU

157 PREVENTION AND CARE OF ATHLETIC INJURIES

3.0 Units

KIN 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. Lecture/Demonstration 3 hours. **Recommended Preparation:** ENGL C1000 or ESL 151, or equivalent. **Transfer Credit:** CSU, UC, USC

158 FITNESS TRAINING FOR SPECIAL POPULATIONS

4.0 Units

KIN 158 provides instruction and practical application of personal and group fitness training techniques for special populations including; older adults, persons with disabilities, persons with musculoskeletal disorders, and persons with chronic diseases. Evidence-based protocols, adaptations of activities, contraindications, and effective fitness programming will be emphasized. Psychosocial issues related to aging, disease and disability will also be addressed, as well as effective methods for communication, demonstration, and creating an accessible environment. This course is recommended for students interested in pursuing careers in physical education, kinesiology, fitness training, physical therapy, occupational therapy or gerontology. Lecture 3 hours/Laboratory 3 hours. **Recommended Preparation:** KIN 167 and KIN 151 or KIN 156 or KIN 157, HLTH 102 or equivalent, ENGL 100 or ESL 151. **Transfer Credit:** CSU, UC

167 WEIGHT TRAINING AND CONDITIONING I

1.5 Units

KIN 167 introduces students to resistance training and functional fitness in the gym. This course emphasizes safety and proper form for lifting weights, exercises to promote healthy posture, and injury prevention strategies. Students will design their own resistance and cardiovascular program to meet health-related fitness goals. Lecture/Demonstration 1.5 hours. **Recommended Corequisite:** PE 101, PE 102, PE 103, PE 104, or ATHPE 100. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU, UC, USC

168 WEIGHT TRAINING AND CONDITIONING II

1.5 Units

KIN 168 builds on basic exercise principles and introduces intermediate training for skill-related fitness goals. This course applies foundational principles of fitness to training for speed, power, agility, coordination, balance and reaction time, as well as conditioning for sports. Students will be introduced to proper technique for high-intensity intervals, plyometrics, and Olympic lifts, as well as training with novel implements such as resistance bands, kettlebells and medicine balls. Lecture/Demonstration 1.5 hours. **Prerequisite:** KIN 167 (KIN 167 may be taken concurrently). **Recommended Corequisite:** PE 101, PE 102, PE 103, or PE 104. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU, UC, USC

170 SPORTS COACHING THEORY

3.0 Units

KIN 170 provides instruction on the fundamental principles of coaching and teaching sports. This course emphasizes developing a coaching philosophy and athlete-centered approach, along with team management, sports-skill pedagogy, risk management and regulations for school, club and professional teams. A broad range of coaching skills are introduced in motivational strategies, coaching for character and developmentally appropriate methods for athletes of various ages, skill levels and abilities. Lecture 3 hours. **Prerequisite:** None. **Transfer Credit:** CSU, UC

171 SMALL SPORTS TEAMS THEORY

2.0 Units

KIN 171 covers theoretical practices in coaching sports with smaller teams or individual events, and may emphasize one or more of the following sports: badminton, basketball, cross-country, golf, tennis, track and field and volleyball. In addition to theory and philosophical principles, the course explores how to plan and implement practice and coaching strategies for recreational and competitive teams. Lecture 2 hours. **Prerequisite:** None. **Transfer Credit:** CSU, UC

195 FOOTBALL THEORY

2.0 Units

KIN 195 covers theory and development of offensive and defensive formations and strategies in football. Note: KIN 195 is recommended for kinesiology majors. Lecture 2 hours. **Prerequisite:** None. Course Typically Offered: Fall. **Transfer Credit:** CSU, UC, USC

196 ADVANCED FOOTBALL THEORY

2.0 Units

KIN 196 continues advanced theoretical foundations and strategies of football. Note: KIN 196 is recommended for kinesiology majors and students who are participating in varsity football for a second year. Lecture 2 hours. **Prerequisite:** KIN 195 or equivalent. **Transfer Credit:** CSU, UC, USC

228 SOCCER THEORY

2.0 Units

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. Lecture 2 hours. **Prerequisite:** None. Course Typically Offered: Fall. **Transfer Credit:** CSU, UC, USC

229 ADVANCED SOCCER THEORY

2.0 Units

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. Lecture 2 hours. **Prerequisite:** KIN 228. **Transfer Credit:** CSU, UC, USC

KOREAN**49
KOREAN INDEPENDENT STUDY**
1.0 to 3.0 Units

KOREA 49 provides independent exploration to familiarize students with research techniques, career options, and special academic interests in Korean language. 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. Laboratory 3-9 hours. **Corequisite:** Concurrent registration in 6 or more units. **Transfer Credit:** CSU

**101
BEGINNING KOREAN I**
5.0 Units

KOREA 101 teaches the fundamentals of Korean grammar within a cultural context. Students are trained to pronounce Korean correctly, to acquire a small working vocabulary which they use in conversation and writing, and to read and write in the native Korean alphabet, Hangul. Note: This course is not intended for students with oral proficiency or who have attended schools where Korean was the language of instruction. Lecture 5 hours. **Recommended Preparation:** ESL 141. Course Typically Offered: Fall. **Transfer Credit:** CSU, UC, USC

**102
BEGINNING KOREAN II**
5.0 Units

KOREA 102 continues to present the fundamentals of Korean grammar. Students are trained to pronounce Korean correctly, to acquire a small working vocabulary which they use in conversation and writing, and to read and write in the native Korean alphabet, Hangul. Lecture 5 hours. **Prerequisite:** KOREA 101 or equivalent. Course Typically Offered: Spring. **Transfer Credit:** CSU, UC, USC

LIBRARY**48
LIBRARY INTERNATIONAL FIELD STUDIES**
1.0 to 3.0 Units

LIB 48 provides college credit to study subject in foreign countries under the direction of a Glendale College instructor. Travel and studies are at the student's own expense, and agencies providing programs must be 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

**100
CRITICAL APPROACHES TO INFORMATION RESEARCH**
3.0 Units

LIB 100 introduces students to the effective use of library and non-library information resources and services to find reliable sources for everything from academic courses to everyday living. Students learn the core concepts of information retrieval and the essential techniques of organizing, presenting, evaluating, and analyzing information as well as how to properly attribute sources used. Topics include: information cycle and timeline; comparing, contrasting, and selecting library and open web resources; types and characteristics of information sources; effective information research planning; search techniques, evaluation criteria, and ethical use of information. This class enhances critical thinking and evaluation skills by using a variety of textual, graphical, visual, and audio (re)sources to assess how information is produced, consumed, and presented and teaches students how to assess sources for perspective, veracity, and authority. Lecture 3 hours. **Recommended Preparation:** ENGL C1000 or ESL 151, or equivalent. **Transfer Credit:** CSU, UC

LINGUISTICS**101
INTRODUCTION TO LANGUAGE AND LINGUISTICS**
3.0 Units

LING 101 provides an introduction to the terminology and methodology used in the modern study of human language. The course emphasizes structural analysis of the sound systems of languages (phonetics and phonology), the composition of words and sentences (morphology and syntax), and the meanings of utterances (semantics and pragmatics). The course also covers current issues in other areas of language, such as first and second language acquisition, historical linguistics, sociolinguistics and neurolinguistics/psycholinguistics. Drawing on a variety of modern linguistic concepts, students will be able to analyze, reason, and generalize from linguistic data representative of the diverse and varied languages of the world. Lecture 3 hours. **Recommended Preparation:** ENGL C1000 or ESL 151, or equivalent. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU, UC, USC

**101H
HONORS INTRODUCTION TO LANGUAGE AND LINGUISTICS**
3.0 Units

LING 101H provides an introduction to the terminology and methodology used in the modern study of human language. The course emphasizes structural analysis of the sound systems of languages (phonetics and phonology), the composition of words and sentences (morphology and syntax), and the meanings of utterances (semantics and pragmatics). The course also covers current issues in other areas of language, such as first and second language acquisition, historical linguistics, sociolinguistics and neurolinguistics/psycholinguistics. Drawing on a variety of modern linguistic concepts, students will be able to analyze, reason, and generalize from linguistic data representative of the diverse and varied languages of the world. The honors course will be enhanced in one or more of the following ways: 1. enhanced components of the research project, such as inclusion of original linguistic data, use of academic peer-reviewed sources, peer reviews of classmates' papers, and/or oral presentations; and 2. enhanced components to weekly assignments, such as using sources, and/or accelerated standards of critical thinking and analysis of important topics related to linguistics. Lecture 3 hours. **Recommended Preparation:** ENGL C1000 or ESL 151, or equivalent. **Transfer Credit:** CSU, UC

102 SOCIOLINGUISTICS

3.0 Units

LING 102 provides a foundation of terminology and methodology used in the current study of cultural and sociological areas of language. The course explores how language creates and shapes culture by examining aspects of societal variation (class, gender, ethnicity, age, and ability), geographic variation (dialects and style), contact variation (multilingualism, pidgins and creoles), as well as language standardization issues (social justice, educational planning, and government policies). Drawing on a variety of modern linguistics concepts, students will be able to analyze, reason, and generalize from linguistic data representative of the diverse and varied languages of the world. Lecture 3 hours. *Recommended Preparation:* ENGL C1000 or ESL 151, or equivalent. *Transfer Credit:* CSU, UC, USC

102H HONORS SOCIOLINGUISTICS

3.0 Units

LING 102H provides a foundation of terminology and methodology used in the current study of cultural and sociological areas of language. The course explores how language creates and shapes culture by examining aspects of societal variation (class, gender, ethnicity, age, and ability), geographic variation (dialects and style), contact variation (multilingualism, pidgins and creoles), as well as language standardization issues (social justice, educational planning, and government policies). Drawing on a variety of modern linguistics concepts, students will be able to analyze, reason, and generalize from linguistic data representative of the diverse and varied languages of the world. The honors course will be enhanced in one or more of the following ways: 1. enhanced components of the research project, such as inclusion of original linguistic data, use of academic peer-reviewed sources, peer reviews of classmates' papers, and/or oral presentations; and 2. enhanced components to weekly assignments, such as using sources, and/or accelerated standards of critical thinking and analysis of important topics related to linguistics. Lecture 3 hours. *Recommended Preparation:* ENGL C1000 or ESL 151, or equivalent. *Transfer Credit:* CSU, UC

103 PSYCHOLINGUISTICS

3.0 Units

LING 103 provides a foundation of terminology and methodology used in the current study of language and the mind. The course emphasizes the cultural and biological aspects of language, first language acquisition, second language acquisition and bilingualism. In addition, language processing (including production and comprehension), areas of the brain that affect language, and language disorders are examined. More recent topics include technologies such as artificial intelligence, natural language processing, and their implications for psycholinguistics. Lecture 3 hours. *Recommended Preparation:* ENGL C1000 or ESL 151, or equivalent. *Transfer Credit:* CSU, UC

103H HONORS PSYCHOLINGUISTICS

3.0 Units

LING 103H provides a foundation of terminology and methodology used in the current study of language and the mind. The course emphasizes the cultural and biological aspects of language, first language acquisition, second language acquisition and bilingualism. In addition, language processing (including production and comprehension), areas of the brain that affect language, and language disorders are examined. More recent topics include technologies such as artificial intelligence, natural language processing, and their implications for psycholinguistics. The honors course will be enhanced in one or more of the following ways: 1. enhanced components of the research project, such as inclusion of original linguistic data, use of academic peer-reviewed sources, peer reviews of classmates' papers, and/or oral presentations; and 2. enhanced components to weekly assignments, such as using sources, and/or accelerated standards of critical thinking and analysis of important topics related to linguistics. Lecture 3 hours. *Recommended Preparation:* ENGL C1000 or ESL 151, or equivalent. *Transfer Credit:* CSU, UC

MACHINE TECHNOLOGY

101 MACHINE TECHNOLOGY I

3.0 Units

MACH 101 covers the fundamentals of the machinist trade. Instructions on the proper care and use of precision equipment are also included. Basic training utilizing lathes, milling machines, drill presses and grinders is emphasized. Lecture 1 hour/Laboratory 6 hours. *Prerequisite:* None. *Transfer Credit:* CSU

102 MACHINE TECHNOLOGY II

3.0 Units

MACH 102 is a continuation of the fundamentals of the machinist trade. Advanced training in set-up work, tool grinding, and machine operations is presented. Related lectures cover types of threads and threading, calculating and cutting of tapers, gears and gear trains. Basic design and capacity of machine tools are investigated. Lecture 1 hour/Laboratory 6 hours. *Prerequisite:* MACH 101 or equivalent. *Transfer Credit:* CSU

103 MACHINE TECHNOLOGY III

3.0 Units

MACH 103 covers more advanced and complicated operations of machine tools and equipment. Precision inspection, production and assembly are studied. Lectures and demonstrations on specialized machine tools and equipment give the student a better understanding of their use and capacities. Lecture 1 hour/Laboratory 6 hours. *Prerequisite:* MACH 102 or equivalent. *Transfer Credit:* CSU

104 MACHINE TECHNOLOGY IV

3.0 Units

MACH 104 is a continuation of advanced and complicated operations of machine tools and equipment. Lectures and demonstrations include an investigation of heat-treatment of metals, special metals and their uses, abrasives, grinding wheels, and efficient use of surface, cylindrical, and tool cutter grinders. Basic tool and die work in which the student designs and builds jigs and fixtures is offered to students showing advanced abilities. Lecture 1 hour/Laboratory 6 hours. *Prerequisite:* MACH 103 or equivalent. *Transfer Credit:* CSU

107 MACHINE PRACTICE I

2.0 Units

NON-DEGREE APPLICABLE

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. Lecture 1 hour/Laboratory 3 hours. *Prerequisite:* None.

109 PRINCIPLES OF TOOL ENGINEERING

5.0 Units

MACH 109 is an advanced course in machine shop training presenting systems of production. Interchangeability, and dimensioning as they pertain to tool design and construction of drill jigs, milling, grinding, and lathe fixtures, locating and clamping of parts, tooling for horizontal turret lathes, and tool room inspection and gauging are examined. Training required for engineers and designers noting duties and positions in manufacturing organizations are investigated. Lecture 3 hours/Laboratory 6 hours. *Prerequisite:* MACH 104 or equivalent. *Transfer Credit:* CSU

112 MACHINE PRACTICE III

1.0 Unit

MACH 112 is designed to allow students or industrial workers to improve and update their machining skills. Techniques practiced are uses of lathe, mill, drill, grinder. Inspection strategies for the purpose of job advancement are presented. Laboratory 3 hours. *Prerequisite:* MACH 101 or MACH 107, or equivalent.

113 INTERMEDIATE ENGINE LATHE PROCESS

2.0 Units

NON-DEGREE APPLICABLE

MACH 113 is a course that provides specialized training on the engine lathe processes. Building on the basic processes, students 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. Lecture 1 hour/Laboratory 3 hours. *Recommended Preparation:* MACH 101 or equivalent.

114 INTERMEDIATE VERTICAL MILL PROCESSES

2.0 Units

NON-DEGREE APPLICABLE

MACH 114 is a course that provides specialized training on the vertical mill. Building on the basic processes, this class develops skills working on vises, fixturing, angular milling, end mills, shell mills, fly cutting, radius cutting, and undercutting. Lecture 1 hour/Laboratory 3 hours. *Recommended Preparation:* MACH 101 or equivalent.

MASS COMMUNICATIONS

49 MASS COMMUNICATIONS INDEPENDENT STUDY

1.0 to 3.0 Units

MCOMM 49 provides independent exploration to familiarize students with research techniques, career options, and special academic interests in mass communications. 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. Laboratory 3-9 hours. *Corequisite:* Concurrent registration in 6 or more units. *Transfer Credit:* CSU

50 INTERNSHIP

1.0 to 3.0 Units

Internship is a self-motivated course which allows students to earn from 1-3 units for structured supervised work off campus under supervision of a faculty advisor. It is designed to provide students with appropriate preparation, a hands-on discipline-linked work experience that will extend their knowledge and understanding of career demands in a field. This course may be offered in all disciplines. Note: Students must arrange an approved internship prior to enrolling in this class. Note: This course is Pass/No Pass only. *Recommended Preparation:* Eligibility for ENGL 120 or ESL 151. *Transfer Credit:* CSU

101 INTRODUCTION TO MASS COMMUNICATIONS

3.0 Units

MCOMM 101 is a survey course that examines mass communication and its interrelationships with society in the digital age. This introductory course explores the history, institutions, and social impact of mass communication media, including the Internet and social media, print, photography, recordings, film, television, computers, and the role of advertising and public relations. The course includes discussion of theories and effects, economics, technology, law and ethics, global media, media literacy, and social issues, including gender and cultural diversity. Special attention is given to the impact of mass media on how we live and believe as individuals and as a society. Lecture 3 hours. *Recommended Preparation:* ENGL C1000 or ESL 151, or equivalent. Course Typically Offered: Winter/Spring/Summer/Fall. *Transfer Credit:* CSU, UC, USC. (C-ID JOUR 100)

120 INTRODUCTION TO PUBLIC RELATIONS

3.0 Units

MCOMM 120 is an introductory course designed to familiarize students with the theory and practice of public relations. Through hands-on exercises and projects, students learn about the nature and history of public relations, the tools of public relations, the ethical and legal responsibilities of a public relations practitioner, and the fundamental elements of a public relations campaign. The course is designed for students who wish to make public relations a career, untrained individuals who are currently (or plan to be) involved in publicity activities, and for all students who wish to enhance their knowledge and skills in the field of public relations. Lecture 3 hours. *Recommended Preparation:* ENGL C1000 or ESL 151, or equivalent. Course Typically Offered: Spring. *Transfer Credit:* CSU

MATHEMATICS

All students who have not taken a math course at Glendale Community College or another accredited college or do not have a qualifying AP Math score should check their math placement in MyGCC prior to enrolling in any math course, except Math 190. Contact your counselor for additional information.

Statistics MATH 136 - has change departments to Statistics with a prefix (STAT) in the catalog.

49

MATH INDEPENDENT STUDY

1.0 to 3.0 Units

MATH 49 provides motivated students with an opportunity to explore a mathematical subject in greater depth than usual, to familiarize students with some basic research techniques, to interest students in possible career areas, and to take advantage of special academic interests. Emphasis shall be on individual mathematical projects, research, and presentations. There is no prescribed course content. Students develop a portfolio or research project, have it approved by the sponsoring instructor and appropriate division chairperson, then submit or present the finished product. Note: Registration is open to any student at GCC who is currently registered for 6 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 6 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. Laboratory 3-9 hours. **Corequisite:** Concurrent registration in 6 or more units. **Recommended Preparation:** MATH 103E. **Transfer Credit:** CSU

100

COLLEGE ALGEBRA FOR STEM

4.0 Units

MATH 100 is a college (transfer) level course in algebra. We cover many topics, including functions and their inverses, transformations of functions, first and second degree equations and inequalities, logarithmic and exponential equations, graphs of linear and quadratic functions, conic sections, polynomial functions, exponential functions, logarithmic functions, real world Science, Technology, Engineering, and Mathematics (STEM) applications, remainder and factor theorems, properties and applications of complex numbers, systems of equations, matrix solutions, and sequences and series. When appropriate, we will discuss the cultural and historical context for these concepts. Note: You will receive no credit for Math 100 if you have completed Math 110 or Math 110A AND Math 110B. You will receive a total of 5 units of credit for completion of Math 100 and Math 110A. Lecture 4 hours. **Prerequisite:** Placement is based on academic background or satisfactory completion of MATH 90. Course Typically Offered: Winter/Spring/Summer/Fall. **Transfer Credit:** CSU, UC, USC. (C-ID MATH 151)

100+

COLLEGE ALGEBRA FOR STEM WITH SUPPORT

4.5 Units

MATH 100+ is a college (transfer) level course in algebra with a built-in support lab component. We cover many topics, including functions and their inverses, transformations of functions, first and second-degree equations and inequalities, logarithmic and exponential equations, graphs of linear and quadratic functions, conic sections, polynomial functions, exponential functions, logarithmic functions, real-world Science, Technology, Engineering, and Mathematics (STEM) applications, remainder and factor theorems, properties and applications of complex numbers, systems of equations, and sequences and series. When appropriate, we will discuss the cultural and historical context for these concepts, and throughout the course, we explore strategies for successful math-classroom experience and critical thinking/problem-solving strategies. Note: You will receive no credit for Math 100+ if you have completed Math 100, Math 110 or Math 110A AND Math 110B. You will receive a total of 5 units of credit for completion of Math 100+ and Math 110A. Lecture 4 hours/ Laboratory 2 hours. **Prerequisite:** Placement is based on academic background or satisfactory completion of MATH 90. **Transfer Credit:** CSU, UC

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

102

TRIGONOMETRY

3.0 Units

MATH 102 is a course in plane trigonometry. The course emphasizes the analytic aspects of the subject. Topics include properties of geometric figures, trigonometric functions of any angle, trigonometric identities, half-angles, trigonometric equations, applications of trigonometric functions, functions, complex numbers, and polar and parametric equations. Lecture 3 hours. **Prerequisite:** Placement is based on an academic background or satisfactory completion of MATH 90 or MATH 90+. Course Typically Offered: Winter/Spring/Summer/Fall. **Transfer Credit:** CSU

102+

TRIGONOMETRY WITH SUPPORT

4.0 Units

MATH 102+ is a course in plane trigonometry with a built-in support lab component. The course emphasizes the analytic aspects of the subject. Topics include trigonometric functions of any angle, trigonometric identities, half-angles, trigonometric equations, applications of trigonometric functions, functions, complex numbers, and polar and parametric equations. The support lab topics include plane geometry, solving algebraic equations, simplifying algebraic expressions, coordinate plane, graphing techniques and basics of Trigonometry. Lecture 3 hours/ Laboratory 3 hours. **Prerequisite:** Placement is based on an academic background or satisfactory completion of MATH 90 or MATH 90+. **Transfer Credit:** CSU

103E
CALCULUS AND ANALYTIC
GEOMETRY I
 5.0 Units

MATH 103E is the first of a sequence of three courses combining the subject matter of analytic geometry and calculus. Functions and their graphs are studied with special attention to differentiation, limits, rules and integration using various techniques. The calculus of inverse functions and transcendental functions as well as applications of differentiation is also covered. Lecture 5 hours. *Prerequisite:* Placement is based on academic background or satisfactory completion of MATH 110 or 110B. *Transfer Credit:* CSU, UC, USC. (C-ID MATH 210)

103E+
CALCULUS AND ANALYTIC
GEOMETRY I WITH SUPPORT
 6.0 Units

MATH 103E+ is the first of a sequence of three courses combining the subject matter of analytic geometry and calculus. The course covers functions and their graphs with special attention to differentiation, limits, rules and integration using various techniques. Students study the calculus of inverse functions and transcendental functions as well as applications of differentiation. Students also learn support topics such as algebra, trigonometry, limits, derivatives, and integrals. Lecture 5 hours/Laboratory 3 hours. *Prerequisite:* Placement is based on academic background or satisfactory completion of MATH 110 or 110B. *Transfer Credit:* CSU, UC

103EH
HONORS CALCULUS AND
ANALYTIC GEOMETRY I
 5.0 Units

MATH 103EH is the first of a sequence of three courses combining the subject matter of analytic geometry and calculus. Functions and their graphs are studied with special attention to differentiation, limits, rules and integration using various techniques. The calculus of inverse functions and transcendental functions as well as applications of differentiation is also covered. The honors section of this course features more theory and proof, and one or more projects related to the topics of the course. Lecture 5 hours. *Prerequisite:* Placement is based on academic background or satisfactory completion of MATH 110 or 110B. *Transfer Credit:* CSU, UC, USC

104E
CALCULUS AND ANALYTIC
GEOMETRY II
 5.0 Units

MATH 104E is a study of techniques of integration, indeterminate forms, applications of integration, differential equations, the calculus of parametric equations, polar coordinates, and conic sections, and the study of infinite sequences and series. Lecture 5 hours. *Prerequisite:* MATH 103E. Course Typically Offered: Winter/Spring/Summer/Fall. *Transfer Credit:* CSU, UC, USC. (C-ID MATH 220)

104EH
HONORS CALCULUS AND
ANALYTIC GEOMETRY II
 5.0 Units

MATH 104EH is a study of techniques of integration, indeterminate forms, applications of integration, differential equations, the calculus of parametric equations, polar coordinates, and conic sections, and the study of infinite sequences and series. The honors section of this course features more theory and proof, and one or more projects related to the topics of the course. Lecture 5 hours. *Prerequisite:* MATH 103E. Course Typically Offered: Winter/Spring/Summer/Fall. *Transfer Credit:* CSU, UC, USC. (C-ID MATH 220)

104EN
SKILLS FOR COLLEGE SUCCESS
IN CALCULUS AND ANALYTIC
GEOMETRY II
 0.00 Units

MATH 104EN is a non-credit course that's meant to complement MATH 104E. Students develop essential study techniques to be successful in calculus and analytic geometry. Topics include algebra, trigonometry, limits, derivatives, and integrals. Lecture 54 hours. Note: Seating in this course is limited through non-credit. Permission from the Math division is mandatory. This course is Pass/No Pass only. *Corequisite:* MATH 104E.

104ES
SKILLS FOR COLLEGE SUCCESS
IN CALCULUS AND ANALYTIC
GEOMETRY II
 1.0 Units

MATH 104ES is a course that's meant to complement MATH 104E. Students develop essential study techniques to be successful in calculus and analytic geometry. Topics include algebra, trigonometry, limits, derivatives, and integrals. Note: This course is Pass/No Pass only. Laboratory 3 hours. *Corequisite:* MATH 104E.

105
MULTIVARIABLE AND VECTOR
CALCULUS
 5.0 Units

MATH 105 is a course in vector calculus. Topics covered include vector functions, vector differentiation, parametric equations, vectors in two, three, and higher dimensional space, multiple integration, and an introduction to vector analysis including divergence, curl, Green's and Stokes' Theorems. Lecture 5 hours. *Prerequisite:* MATH 104, 104E, or MATH 104EH. *Transfer Credit:* CSU, UC, USC. (C-ID MATH 230)

105H
HONORS MULTIVARIABLE AND
VECTOR CALCULUS
 5.0 Units

MATH 105H is a course in vector calculus. Topics covered include vector functions, vector differentiation, parametric equations, vectors in two, three, and higher dimensional space, multiple integration, and an introduction to vector analysis including divergence, curl, Green's and Stokes' Theorems. The honors section of this course features more theory and proof, and one or more projects related to the topics of the course. Lecture 5 hours. *Prerequisite:* MATH 104, 104E, or MATH 104EH. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU, UC, USC. (C-ID MATH 230)

107
LINEAR ALGEBRA
 5.0 Units

MATH 107 covers the topics of vector spaces, linear transformations and matrices, matrix algebra, determinants, eigenvalues and eigenvectors, and solutions of systems of equations. Solution techniques include row operations, Gaussian elimination and matrix algebra. Specific topics in vector spaces and matrix theory include inner products, norms, orthogonality, eigenvalues, eigenspaces, linear transformations and applications. Lecture 5 hours. *Prerequisite:* MATH 104, 104H, 104E, or 104EH. *Recommended Preparation:* MATH 105. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU, UC, USC. (C-ID MATH 250)

GLENDALE COMMUNITY COLLEGE MATH SEQUENCE CHART

All students who have not taken a math course at Glendale Community College or another accredited college or do not have a qualifying AP Math score should check their math placement in MyGCC.

OPTIONAL
NONCREDIT

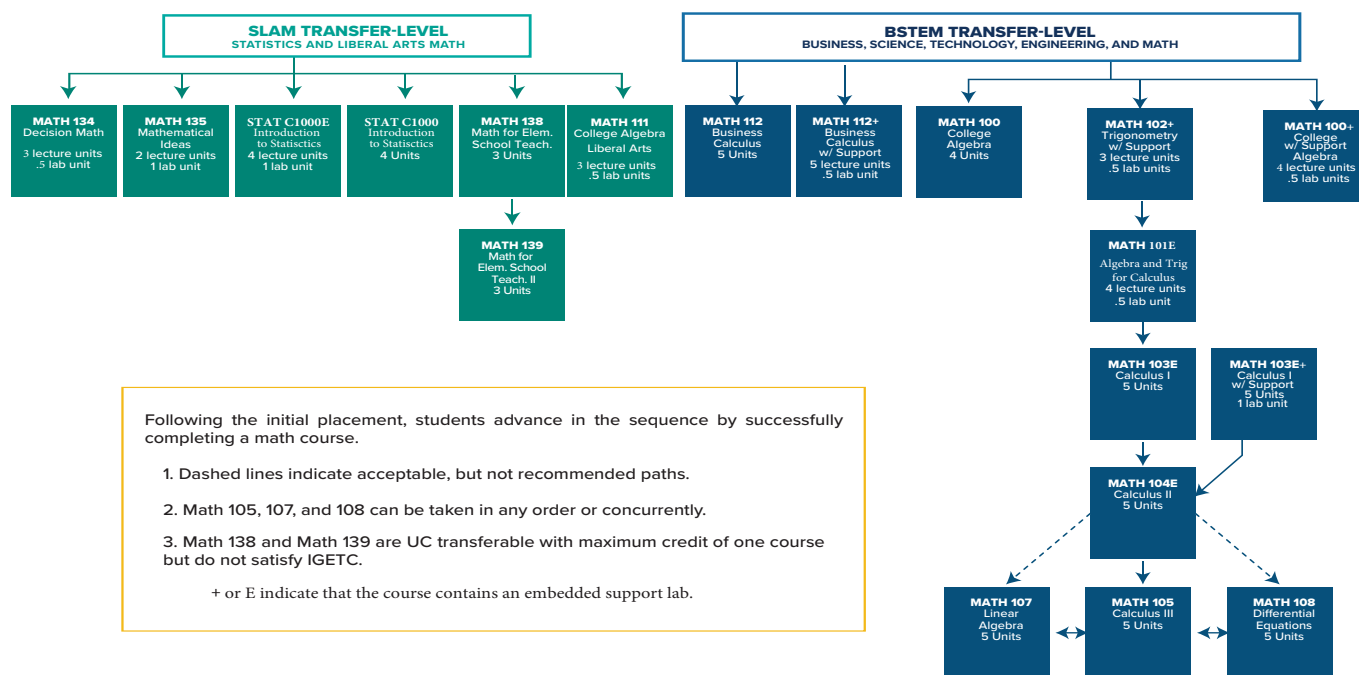
ABSE 122
Basic
Statistics
Review

MATH 190
Overcoming
Math Anxiety
1 Unit

OPTIONAL
NONCREDIT

ABSE 121
Basic
Algebra
Review

The courses below are all transfer-level math courses. Check with your counselor to see what is required by your target four-year school for your degree program. Up-to-date UC and CSU transferability information can be found online at www.assist.org



107H HONORS LINEAR ALGEBRA 5.0 Units

MATH 107H covers the topics of vector spaces, linear transformations and matrices, matrix algebra, determinants, eigenvalues and eigenvectors, and solutions of systems of equations. Solution techniques include row operations, Gaussian elimination and matrix algebra. Specific topics in vector spaces and matrix theory include inner products, norms, orthogonality, eigenvalues, eigenspaces, linear transformations and applications. The honors section of this course features more theory and proof, and one or more projects related to the topics of this course. Lecture 5 hours. **Prerequisite:** MATH 104, 104H, 104E, or 104EH. **Recommended Preparation:** MATH 105. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU, UC, USC. (C-ID MATH 250)

108 ORDINARY DIFFERENTIAL EQUATIONS 5.0 Units

MATH 108 covers the solution of ordinary differential equations using various techniques including variation of parameters, the Laplace transform, power series, and numerical methods. Systems of linear differential equations and an introduction to nonhomogeneous linear systems are also covered. Applications are drawn from the physical sciences. Lecture 5 hours. **Prerequisite:** MATH 104, MATH 104H, MATH 104E, or MATH 104EH. **Recommended Preparation:** MATH 105 and 107. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU, UC, USC. (C-ID MATH 240)

108H HONORS ORDINARY DIFFERENTIAL EQUATIONS 5.0 Units

MATH 108 covers the solution of ordinary differential equations using various techniques including variation of parameters, the Laplace transform, power series, and numerical methods. Systems of linear differential equations and an introduction to nonhomogeneous linear systems are also covered. Applications are drawn from the physical sciences. The honors section of this course features more theory and proof, and one or more projects related to the topics of this course. Lecture 5 hours. **Prerequisite:** MATH 104, MATH 104H, MATH 104E, or MATH 104EH. **Recommended Preparation:** MATH 105 and 107. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU, UC, USC. (C-ID MATH 240)

109 A SURVEY OF ABSTRACT ALGEBRA

3.0 Units

MATH 109 is a survey course designed to expose students to the theory of algebraic equations and the basic notions of abstract algebra. Students will be provided with an overview of sets, groups, rings, fields, and vector spaces. Lecture 3 hours. **Prerequisite:** MATH 104E or equivalent. **Transfer Credit:** CSU, UC

110 PRECALCULUS

5.0 Units

MATH 110 is an accelerated precalculus course which prepares students for calculus. Topics include polynomial, absolute value, radical, rational, exponential, logarithmic, and trigonometric functions and their graphs, inverses, zeroes and applications. Inequalities, trigonometric identities, conic sections, polar equations, parametric equations, systems of equations and mathematical induction are also covered. Note: A maximum of 7 units may be earned from Math 110 with any combination of Math 110A and Math 110B. A maximum of 5 units may be earned from Math 110 and Math 100. Lecture 5 hours. **Prerequisite:** Placement is based on academic background or satisfactory completion of MATH 102. Course Typically Offered: Winter/Spring/Summer/Fall. **Transfer Credit:** CSU, UC, USC. (C-ID MATH 155)

110A PRECALCULUS I

3.5 Units

MATH 110A is the first of two courses that prepares students for calculus. Topics include first and second-degree equations and inequalities, the study of functions and their graphs (polynomial, absolute value, radical, rational, exponential, logarithmic), and remainder and factor theorems. Additional topics include a review of geometry, followed by an introduction to trigonometric functions, solving right triangles, elementary trigonometric identities, inverse trigonometric functions, and solving triangles using the Laws of Sines and the Law of Cosines. Note: You will receive a total of 5 units of credit for completion of Math 100 and Math 110A. Lecture 3 hours/Laboratory 1.5 hour. **Prerequisite:** Placement is based on academic background or satisfactory completion of MATH 90. **Transfer Credit:** CSU, UC, USC. (MATH 110A & 110B C-ID MATH 955)

110B PRECALCULUS II

3.5 Units

MATH 110B is the second of two courses that prepares students for calculus. Topics include the study of trigonometric functions, their inverses and their graphs, identities and their proofs, trigonometric equations, and graphs of polar equations. Additional topics include complex numbers, graphs of parametric equations and conic sections, linear and nonlinear systems of equations, the binomial theorem, partial fraction decomposition, and introduction to vectors. Note: A maximum of 7 units may be earned from Math 110B with any combination of MATH 100 and MATH 110A. Lecture 3 hours/Laboratory 1.5 hour. **Prerequisite:** MATH 110A. **Transfer Credit:** CSU, UC, USC. (MATH 110A & 110B C-ID MATH 955)

111 COLLEGE ALGEBRA FOR LIBERAL ARTS

3.5 Units

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. Lecture 3 hours/Laboratory 2 hours. **Prerequisite:** Placement is based on academic background or satisfactory completion of MATH 90. **Transfer Credit:** CSU, UC, USC

112 CALCULUS FOR BUSINESS

5.0 Units

MATH 112 is a one semester course in calculus for business, management, and social science majors. Topics in this course include: techniques of differentiating, maximum-minimum problems, curve sketching, derivatives and applications of exponential and logarithmic functions, techniques of integration, and simple differential equations. Lecture 5 hours. **Prerequisite:** Placement is based on academic background or completion of MATH 90. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU, UC, USC. (C-ID MATH 140)

112+ CALCULUS FOR BUSINESS WITH SUPPORT

5.5 Units

MATH 112+ is a one-semester course in calculus for business, management, and social science majors. This course has a built-in support lab component. Topics in this course include: techniques of differentiating; maximum-minimum problems; curve sketching; derivatives and applications of exponential and logarithmic functions; techniques of integration; and simple differential equations. Lecture 5 hours/Laboratory 2.5 hours. **Prerequisite:** Placement is based on academic background or completion of MATH 90. **Transfer Credit:** CSU, UC, USC. (C-ID MATH 140)

113 CALCULUS FOR LIFE SCIENCES I

3.5 Units

MATH 113 is the first semester of an applied course in calculus for biological and other life sciences. The course introduces students to functions of one variable, graphs, limits, continuity, derivatives, techniques for finding maxima/minima, integration, fundamental theorem of calculus, and integration by substitution. Students also learn support topics such as algebra, limits, derivatives, and integrals. Lecture 3 hours/Laboratory 2 hours. **Prerequisite:** Placement is based on academic background or satisfactory completion of MATH 110, 110B, or 101E.

114 CALCULUS FOR LIFE SCIENCES II

3.5 Units

MATH 114 is the second semester of an applied calculus course sequence for biological and other life sciences. Students are introduced to techniques of integration, differential equations, applications of calculus in probability, and elements of multivariable calculus and linear algebra. Lecture 3 hours/Laboratory 2 hours. **Prerequisite:** MATH 113 or equivalent.

132 HISTORY OF MATHEMATICS OUTSIDE OF EUROPE

3.0 Units

MATH 132 is devoted to the study of Mathematics developed outside of European civilization. Students explore topics from the ancient civilizations of Egypt, Mesopotamia, India, China, Arabic World, Native American countries. These topics include number systems, methods of geometric measurements, astronomical calculations, and solving equations throughout the centuries. Emphasis is on the analysis of these mathematical concepts and their applications of quantitative reasoning. Lecture 3 hours. **Prerequisite:** Placement is based on academic background or satisfactory completion of MATH 90. **Transfer Credit:** CSU, UC

133 FINITE MATHEMATICS

3.0 Units

MATH 133 is a one-semester course in mathematics for business, management, and social science majors. Topics in this course include systems of equations, matrices, probability with an introduction to statistics, Markov chains, and game theory. Lecture 3 hours. **Prerequisite:** Placement is based on academic background or satisfactory completion of MATH 90. **Transfer Credit:** CSU, UC

134 DECISION MATHEMATICS

3.5 Units

MATH 134 is a one-semester course in quantitative reasoning about decisions. Students learn mathematical techniques including solving algebraic equations and inequalities, Cartesian graphs, probability, and game theory to analyze individual and group decision-making under the conditions of certainty, risk, and uncertainty. Students not only learn these techniques, but also interpret and communicate their results. Lecture 3 hours/Laboratory 1.5 hour. **Prerequisite:** Placement is based on an academic background or satisfactory completion of MATH 90, or equivalent. Recommended **Corequisite:** ABSE 121. **Transfer Credit:** CSU, UC, USC

135 MATHEMATICAL IDEAS IN THE MODERN WORLD

3.0 Units

MATH 135 is a one-semester course designed for SLAM majors that do not require MATH 136 or MATH 138. Topics in this course include units and unit conversion, proportional reasoning, probability, descriptive statistics, basic probability, financial mathematics, apportionment, and voting theory. Emphasis is placed on the application of these concepts to real world data, development of quantitative reasoning, and the interpretation of results. A spreadsheet software will be used as an exploration tool. Lecture 2 hours/Laboratory 3 hours. **Prerequisite:** Placement is based on academic background or completion of MATH 90. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU, UC, USC

137 STATISTICS FOR DATA SCIENCE

5.0 Units

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. Lecture 4 hours/Laboratory 3 hours. **Prerequisite:** Placement is based on academic background or satisfactory completion of MATH 90. **Transfer Credit:** CSU, UC. (C-ID MATH 110)

138 MATHEMATICS FOR ELEMENTARY TEACHERS I

3.0 Units

MATH 138 is designed for prospective elementary school teachers. Topics in this course include: problem-solving techniques, set operations, functions, number theory, ratio, proportion, and percent. Lecture 3 hours. Placement is based on academic background or satisfactory completion of MATH 90. Course Typically Offered: Spring. **Transfer Credit:** CSU, UC. (C-ID MATH 120)

139 ELEMENTS OF ALGEBRA AND STATISTICS FOR ELEMENTARY AND MIDDLE SCHOOL TEACHERS

3.0 Units

MATH 139 is a continuation of MATH 138. It is a second-semester course designed for prospective elementary and middle school teachers. Topics in this course include functions, relations, sequences, discrete structures, probability, data analysis, descriptive statistics, and concepts of inferential statistics. Lecture 3 hours. **Prerequisite:** MATH 138. **Transfer Credit:** CSU, UC

190 OVERCOMING MATH ANXIETY

1.0 Unit

NON-DEGREE APPLICABLE

MATH 190 is designed to provide students of varying mathematical backgrounds with the knowledge, skills and attitudes to be successful in their mathematics related goals. Topics include myths, stereotypes, growth mindset, learning styles, proper placement in classes, problem-solving skills, study skills, note-taking skills, test-taking strategies and stress reduction techniques all specifically tailored for Mathematics. Mathematical recreations, tricks and history may be incorporated into the course. Note: This course is Pass/No Pass only. Lecture 1 hour. **Prerequisite:** None. Course Typically Offered: Fall/Spring.

MEDICAL OFFICE ADMINISTRATION

50 MOA INTERNSHIP

1.0 to 3.0 Units

MOA 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, Medical Office Administration 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, Medical Office Administration. 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. Laboratory 3-9 hours. **Recommended Preparation:** ENGL C1000 or ESL 151 and MOA 180, 182, 183, and 185 (MOA 180, 182, 183, and 185 may be taken concurrently). **Transfer Credit:** CSU

101 HEALTHCARE OCCUPATIONS 2.0 Units

MOA 101 is an overview of health occupations and provides the study of basic medical mathematics and terminology; career foundations, including healthcare of the past, present, and future; interpersonal dynamics, systems and communications; and healthcare safety and healthcare environment practices, including ethics and legal responsibilities. Students will also be introduced to various healthcare career pathways. Lecture 2 hours. *Recommended Preparation:* ENGL C1000E or ESL 141. *Transfer Credit:* CSU

180 HEALTH INFORMATION MANAGEMENT & HIPAA STANDARDS 3.0 Units

MOA 180 introduces students to the fundamental theories and practices of health information management. The course includes an overview of the healthcare Industry, services organization and delivery; health data, record structure and electronic documentation; health content and quality standards confidentiality and compliance; and management, leadership and performance improvement. The course also includes HIPAA regulations, privacy issues and security standards. Lecture 2 hours/Laboratory 3 hours. *Prerequisite:* None. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU

181 BASIC MEDICAL TERMINOLOGY 3.0 Units

MOA 181 is an introductory course designed for office positions in the health sciences as a health technician, medical receptionist, or medical secretary. This course includes basic foundational medical terms and components of medical vocabulary building. Note: This course may not be taken for credit by students who have completed MOA 182. Lecture 3 hours. *Prerequisite:* None. Course Typically Offered: Spring/Winter. *Transfer Credit:* CSU. (C-ID HIT 103X)

182 MEDICAL TERMINOLOGY FOR BODY SYSTEMS 3.0 Units

MOA 182 is designed to familiarize students interested in the medical field with origin, correct spelling, pronunciation, meaning and current usage of common medical terms and their application to clinical records and reports. Students learn the roots, prefixes, suffixes, and word combinations. The course provides a comprehensive overview of each body system's common medical terms. In addition, students become familiar with anatomy, physiology, and disease processes as well as therapeutic measure for each. The course utilizes SOAP (Subjective, Objective, Assessment and Plan) as a tool to showcase the use of medical terminology in patient care service. Lecture 2 hours/Laboratory 3 hours. *Recommended Preparation:* MOA 180 and ENGL C1000 or ESL 151. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU

183 INTRODUCTION TO HEALTH INSURANCE & REIMBURSEMENT 4.0 Units

MOA 183 is designed to familiarize students with the tools necessary to understand the process of medical billing, coding, insurance and reimbursement in a medical setting. The course explores various health insurance companies, policies and regulations and also the relationship between single payer, Medicare and medical insurance providers as well as other private health insurance providers. This course includes various coding standards as well as the medical claims submission process to support the physician with appropriate reimbursement for their services. Lecture/Demonstration 4 hours. *Prerequisite:* None. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU

184 HEALTH CARE DELIVERY SYSTEMS 3.0 Units

MOA 184 provides students with an introduction to healthcare delivery systems, including ambulatory, long-term and managed care, mental health, rehabilitation medicine, hospice and home health. This course also focuses on regulatory and accreditation requirements, funding and reimbursement, licensing and government regulations and explores industry issues, concerns and growth within the United States healthcare system and delivery. Lecture 3 hours. *Prerequisite:* MOA 180. *Transfer Credit:* CSU. (C-ID HIT 104X)

185 MEDICAL OFFICE ADMINISTRATION 3.0 Units

MOA185 is an introduction to the medical office that concentrates on the Medical Assistant's role in the maintenance of a professional and efficient medical office, including career guidelines and professional qualifications; public relations; courteous and effective handling of patients, doctors, and coworkers; preparation and care of medical records; correspondence; financial records; insurance; and general management of a medical facility. Training is applicable in offices of physicians, medical hospitals and clinics, dental and medical/legal agencies and government sponsored medical facilities. Lecture/Demonstration 3 hours. *Prerequisite:* None. Course Typically Offered: Fall/Spring.

188 HEALTHCARE LAW AND ETHICS 3.0 Units

MOA 188 provides the student with an introduction to legal issues pertaining to healthcare, health information, and the patient's health record as a legal document. The course includes instruction on patient privacy and confidentiality, patient rights, release of information, informed consents, advance directives, compliance, criminal activities including fraud and abuse, the Health Insurance Portability and Accountability Act (HIPAA), and Electronic-Health. Lecture 3 hours. *Prerequisite:* MOA 180. *Transfer Credit:* CSU

190 FUNDAMENTALS OF HEALTHCARE ADMINISTRATION 3.0 Units

MOA 190 provides an overview of health care institutions, how they are organized and governed, essential roles and responsibilities of various healthcare administrators, physicians, nurses and clinical support staff as well as other common management functions. The relationship between external and internal forces that impact healthcare environments are inspected to help students understand the foundational framework for addressing healthcare administration problems and challenges along with solutions within the health care organization. Lecture 3 hours. *Recommended Preparation:* MOA 180 and ENGL C1000 or ESL 151. *Transfer Credit:* CSU

191 INTRODUCTION TO PUBLIC HEALTH & COMMUNITY

3.0 Units

MOA 191 introduces key public health concepts, the history, present and future direction of public health, and how the core areas of public health can be integrated to promote health within a diverse population. The course investigates various public health models and will engage in active learning through the use of individual and team activities, discussions, and field experiences to fully explore diverse public health dynamics of cultural, racial and social issues. Lecture 3 hours. *Recommended Preparation:* MOA 180 and ENGL C1000 or ESL 151. *Transfer Credit:* CSU

192 HEALTHCARE QUALITY MANAGEMENT AND PERFORMANCE

3.0 Units

MOA 192 provides the student with an understanding of healthcare quality management and performance improvement principles within the hospital as well as clinical setting. Various theoretical and practical methodologies used in quality assessments will be explored. This course examines regulatory, accreditation, patient safety, performance improvement and utilization along with compliance, credentialing, and licensing standards. Lecture 3 hours. *Recommended Preparation:* MOA 180 and ENGL C1000 or ESL 151. *Transfer Credit:* CSU

193 PRINCIPLES OF CURRENT PROCEDURAL TERMINOLOGY (CPT) CODING

3.0 Units

MOA 193 provides the student with an introduction to Healthcare Common Procedure Coding Systems (HCPCS) and Current Procedural Terminology (CPT) coding for ambulatory services related to facility and professional services, with an overview of coding conventions, principles, regulatory guidance, and coding software. The CPT coding system teaches students a uniform process for coding medical services, and streamlines reporting and increases accuracy and efficiency in healthcare delivery. Lecture 3 hours. *Prerequisite:* MOA 180. *Transfer Credit:* CSU

194 INTERNATIONAL CLASSIFICATION OF DISEASES (ICD) CLINICAL MODIFICATIONS (CM) VERSION 10

3.0 Units

MOA 194 provides the student with an overview of nomenclature and classification systems, with a focus on coding inpatient clinical information from medical records. Instruction includes coding diagnoses, utilizing the International Classification of Diseases (ICD), clinical Modifications (CM) Version 10 sequencing, and coding conventions. Lecture 3 hours. *Prerequisite:* MOA 180. *Transfer Credit:* CSU

195 INTERNATIONAL CLASSIFICATION OF DISEASES: PROCEDURE CLASSIFICATION SYSTEM

3.0 Units

MOA 195 provides the student with an introduction to the overview, structure, and organization of the International Classification of Diseases, Procedure Classification System (ICD-10-PCS). Instruction in coding procedures adheres to national coding guidelines, uses information from cases and health records, and applies coding software (Encoder). Lecture 3 hours. *Prerequisite:* MOA 180. *Transfer Credit:* CSU

197 BODY SYSTEM DISEASES & DIAGNOSES FOR MEDICAL OFFICE STAFF

3.0 Units

MOA 197 is an introduction to diseases and diagnoses in the human body, their treatments, and therapeutic measures. The course emphasizes the understanding of various common diseases: the cause, signs and symptoms, and methods of diagnosis, along with prognosis, medical treatments, and therapeutic procedures that are related and used for medical charting and documentation for coders and other healthcare providers. Lecture 3 hours. *Prerequisite:* MOA 181 or MOA 182. *Transfer Credit:* CSU

METALLURGY

150 PRINCIPLES OF METALLURGY AND HEAT TREATING

3.0 Units

MTLG 150 introduces basic metallurgy as applied to welding, emphasizing common heat treatment procedures, welding enhancement procedures, and thermal control of stress and strain in relation to ferrous and non-ferrous metals. Applications of destructive and nondestructive testing and their role in quality assurance are covered. Lecture 3 hours. *Prerequisite:* None. *Transfer Credit:* CSU

MUSIC

There are four families within Music (See page 123 for more information on course families):

- Piano (Music 160, 161, 162, 163, 164, 165, 166).
- Classical Guitar (Music 150, 156, 157, 158).
- Contemporary Guitar (Music 153, 154, 155).
- Voice Training (Music 135, 136, 137).

48 MUSIC INTERNATIONAL FIELD STUDIES

1.0 to 3.0 Units

MUSIC 48 provides college credit for travel and study in foreign countries. Under the direction of a Glendale Community College instructor, students participate in a study abroad program approved by the College. Students are responsible for paying program fees. This course may be offered in other disciplines. Note: This course may be taken 4 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. *Corequisite:* Concurrent registration in 6 or more units or equivalent. *Transfer Credit:* CSU

49 MUSIC INDEPENDENT STUDY

1.0 to 3.0 Units

MUSIC 49 provides motivated students with an opportunity to explore a subject in greater depth than usual, to familiarize students with some basic research techniques, to interest students in possible career areas, and to take advantage of special academic interests. Emphasis shall be on individual research projects, library research and/or preparation of research papers. There is no prescribed course content. Students develop a research project, have it approved by the sponsoring instructor and appropriate division chairperson, and complete the project in accordance with an instructor-approved program. Note: Registration is open to any student at GCC who is currently registered for 6 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 6 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. Laboratory 3-9 hours. *Corequisite:* Concurrent registration in 6 or more units. *Transfer Credit:* CSU

50
MUSIC INTERNSHIP
 1.0 to 3.0 Units

MUSIC 50 Internship is a self-motivated course which allows students to earn from 1-3 units for structured supervised work off campus under the supervision of a faculty advisor. It is designed to provide students with a hands-on, discipline-linked work experience that will extend their knowledge and understanding of career demands in one of the following fields: recording, production, sound reinforcement, or music business. Internship locations may include: music studios, sound reinforcement companies, record companies, music publishers, music manufacturers, music venues, production companies, or music management companies. Note: This course is Pass/No Pass only. Note: Students must arrange an approved internship prior to enrolling in this class. Laboratory 3-9 hours. **Prerequisite** or **Corequisite**: MUSIC 171, 176, 177, 178, 179, 181, 184, 185, 186, or 187. **Recommended Preparation**: ABSE 186 or ESL 141. **Transfer Credit**: CSU

101
MUSIC FUNDAMENTALS
 3.0 Units

MUSIC 101 is an introductory course designed to provide students with a basic knowledge of the fundamentals of tonal music and music notation. It incorporates the concepts of pitch, rhythm and meter, intervals, diatonic scales, Major and minor keys, triads and inversions, and beginning harmonic analysis. Students learn to notate these elements in bass and treble clefs, and to relate these elements to the piano keyboard. Development of skill in handwritten notation is expected. Lecture 3 hours. **Prerequisite**: None. Course Typically Offered: Winter/Spring/Summer/Fall. **Transfer Credit**: CSU, UC, USC. (C-ID MUS 110)

103
KEYBOARD HARMONY I
 2.0 Units

MUSIC 103 is designed for students who have a basic knowledge of music and music notation. Students review bass and treble clefs, notes and note values, meter signatures and key signatures; identify notes of a piano keyboard; and develop a basic understanding of melody, harmony, and rhythm. In addition, students learn basic piano technique and begin the study of harmony in the context of the piano keyboard, and these concepts are used in the analysis and performance of musical exercises and literature. This course prepares students for advanced harmony and musicianship classes. Note: Students should be able to read musical notation and understand concepts of melody, harmony, and rhythm. Lecture 1.5 hours/Laboratory 1.5 hours. **Recommended Preparation**: MUSIC 160. Course Typically Offered: Fall. **Transfer Credit**: CSU, UC, USC

113
KEYBOARD HARMONY II
 2.0 Units

MUSIC 113 is designed for students who have basic keyboard skills. Students learn transposition, harmonization of melodies, and to work with harmonic progressions in the context of the piano keyboard. In addition, students continue the study of piano technique and literature. These concepts are used in the analysis and performance of musical exercises and literature. This course prepares students for advanced harmony and musicianship classes. Lecture 1.5 hours/Laboratory 1.5 hours. **Prerequisite**: MUSIC 103 or equivalent. Course Typically Offered: Spring. **Transfer Credit**: CSU, UC, USC

120
MUSIC APPRECIATION
 3.0 Units

MUSIC 120 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. Lecture 3 hours. **Prerequisite**: None. Course Typically Offered: Winter/Spring/Summer/Fall. **Transfer Credit**: CSU, UC, USC. (C-ID MUS 100)

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

121
HISTORY OF ROCK MUSIC
 3.0 Units

MUSIC 121 is a course in the evolution of popular music in the United States. Students first study the musical influences which led to the rise of rock and roll in the mid-1950. They then follow the development of the various musical styles which are collectively referred to as rock music. Emerging musical innovations are viewed as reflections of changes within our society. Note: The student is required to attend at least one popular music concert and submit a written report. Lecture 3 hours. **Prerequisite**: None. Course Typically Offered: Fall/Spring. **Transfer Credit**: CSU, UC, USC

122 HISTORY OF JAZZ

3.0 Units

MUSIC 122 traces the evolution of jazz music from its earliest influences in the nineteenth century to current styles. Special emphasis is placed on understanding how to listen for greater enjoyment. Students learn basic elements of music, such as meter, form, and structure, and how the elements of music are used in jazz. Students learn to distinguish the instruments used in jazz performance as well as examining the different types of jazz ensembles. Students learn about the leading practitioners of jazz and listen to the masterworks of jazz. Note: The student is required to attend at least one jazz concert and submit a written report. Lecture 3 hours. *Prerequisite:* None. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU, UC, USC

124 MUSICAL THEATRE HISTORY

3.0 Units

MUSIC 124 explores the rich and diverse history of musical theatre from its origins to the present day. Students will learn the origins of musical theatre, analyze popular musicals, and explore contemporary musical styles and storytelling techniques. Students will gain a deep understanding of the cultural, social, and artistic contexts that have shaped musical theatre over time. Note: Students who have already completed THTR 124 cannot receive credit for this course. Lecture 3 hours. *Prerequisite:* None.

125 HISTORY AND LITERATURE I (ANTIQUITY - 1750)

3.0 Units

MUSIC 125 is a survey of music history and literature from antiquity to 1750, including cultural, intellectual and social influences, and provides an in-depth examination of the development of Western European music through the analysis and synthesis of historical details and stylistic elements of the musical trends of the era. Note: Students are required to attend two (2) concerts featuring music from the historical periods being studied, and to submit two (2) concert reports. Students are urged to take MUSIC 125 and 126 within the same academic year. It is strongly recommended that students entering Music 125 and 126 have a basic understanding of music notation so as to be able to follow a score and do basic analysis. Lecture 3 hours. *Prerequisite:* None. Course Typically Offered: Fall. *Transfer Credit:* CSU, UC, USC. (C-ID MUS 105)

126 HISTORY AND LITERATURE II (1750 - PRESENT)

3.0 Units

MUSIC 126 is a survey of music history and literature from 1750 to present, including cultural, intellectual and social influences, and provides an in-depth examination of the development of Western European music through the analysis and synthesis of historical details and stylistic elements of the musical trends of the era. Note: Students are required to attend two (2) concerts featuring music from the historical periods being studied, and to submit two (2) concert reports. Students are urged to take MUSIC 125 and 126 within the same academic year. It is strongly recommended that students entering Music 125 and 126 have a basic understanding of music notation so as to be able to follow a score and do basic analysis. Lecture 3 hours. *Prerequisite:* None. Course Typically Offered: Spring. *Transfer Credit:* CSU, UC, USC. (C-ID MUS 106)

127 WORLD MUSIC

3.0 Units

MUSIC 127 is designed to provide non-majors with a broader understanding of the multicultural world community. Students are introduced to music through an understanding of culture, as it occurs throughout the world, including Africa, North, Central and South America, Asia, the Indian sub-continent and Europe. Music expression is viewed as an outgrowth of diverse cultural needs. Lecture 3 hours. *Prerequisite:* None. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU, UC, USC

130 INTRODUCTION TO MUSIC EDUCATION

3.0 Units

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. Lecture 3 hours. *Recommended Preparation:* MUSIC 101 and MUSIC 120. *Transfer Credit:* CSU, UC

135 VOICE TRAINING I

2.0 Units

MUSIC 135 stresses the principles of correct vocal production and their application to songs and ballads of different style periods in English. Students practice the following: proper breathing habits, the relationship between breathing and tone making, vocal health, resonance, registration, poise, posture, and song presentation. Students also develop an appreciation for the vocal arts in this course. Lecture 1.5 hours/Laboratory 1.5 hours. *Prerequisite:* None. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU, UC, USC. (Voice Training Family)

136 VOICE TRAINING II

2.0 Units

MUSIC 136 is a continuing focus upon the principles of correct vocal production and their application to songs and ballads in English. Italian art songs are introduced; more difficult exercises both musically and vocally are stressed. Further emphasis is placed on legato singing, diction, resonance, interpretation, and expression. The development of an appreciation for the vocal arts is of continuing importance. Lecture 1.5 hours/Laboratory 1.5 hours. *Prerequisite:* MUSIC 135 or equivalent. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU, UC, USC. (Voice Training Family)

137 VOICE TRAINING III

1.0 Unit

MUSIC 137 continues and broadens the principles of vocal production and proper use of the breath in singing as outlined in MUSIC 135 and 136. Students explore more difficult literature, including contemporary music and songs in foreign languages. Students also integrate vocal technique into the performance and gain expertise in the shaping of the musical phrase through legato singing. Laboratory 3 hours. *Prerequisite:* MUSIC 136 or equivalent. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU, UC, USC. (Voice Training Family)

138 VOICE TRAINING IV

1.0 Unit

MUSIC 138 addresses more advanced techniques regarding vocal production and expressiveness as acquired in MUSIC 135, 136, and 137. Students explore more advanced literature, including contemporary and world music and songs in foreign languages, and integrate vocal technique into the performance, bel canto singing, and preparing for a vocal audition or jury. Laboratory 3 hours. *Prerequisite:* MUSIC 137 or equivalent. *Transfer Credit:* CSU, UC. (Voice Training Family)

140
APPLIED MUSIC LESSONS
0.5 Units

MUSIC 140 is a course in individual and ensemble performance. Students receive eight hours of private instruction on a solo instrument or voice. Emphasis is on solo performance through individual instruction, recital performance through participation in a recital class, and ensemble performance through participation in a performing ensemble. Note: Students must remain in good standing in their *Corequisite* performing ensemble as defined in the ensemble's course overview. Laboratory 1.5 hours. *Prerequisite*: The student must demonstrate a basic proficiency on an instrument or voice. This will be determined by individual audition. *Corequisite*: MUSIC 143, 144, 145, 146, 147, 148, 152, 230, 231, 232, 233, 235, 236, 237, 240, 241, or 242 is required. Note: May be taken 4 times for credit. Course Typically Offered: Fall/Spring. *Transfer Credit*: CSU, UC, USC. (C-ID MUS 160)

143
JAZZ BAND
1.0 Unit

MUSIC 143 is a class for students who wish to learn the techniques used in performing jazz and big band literature. Emphasis is placed on developing music reading skills and gaining additional familiarity with improvisational techniques. Students perform with other instrumentalists or with singers. Selected works by contemporary composers are rehearsed and performed. Note: The class requires the ability to perform in a proficient manner on the trumpet, trombone, saxophone, drums, bass, guitar, vibraphone, or piano. An audition is required. Laboratory 3 hours. *Prerequisite*: The ability to perform in a proficient manner on the trumpet, trombone, saxophone, drums, bass, guitar, vibraphone, or piano. Note: May be taken 4 times for credit. Course Typically Offered: Fall/Spring. *Transfer Credit*: CSU, UC, USC. (C-ID MUS 180)

144
WOODWIND ENSEMBLE
0.5 to 1.0 Units

MUSIC 144 is a small instrumental group which plays for college and community activities. Emphasis is on balance, dynamics, phrasing, and interpretation. Note: Audition is required. Laboratory 1.5-3 hours. *Prerequisite*: Ability to play a musical instrument in a band, orchestra, or chamber music ensemble. Note: May be taken 4 times for credit. Course Typically Offered: Fall/Spring. *Transfer Credit*: CSU, UC, USC

145
BRASS ENSEMBLE
0.5 to 1.0 Units

MUSIC 145 is a small instrumental group which plays for college and community activities. Emphasis is on balance, dynamics, phrasing, and interpretation. Note: Audition is required. Laboratory 1.5-3 hours. *Prerequisite*: Ability to play a musical instrument in a band or orchestra. Note: May be taken 4 times for credit. Course Typically Offered: Fall/Spring. *Transfer Credit*: CSU, UC, USC

146
COMMUNITY ORCHESTRA:
LITERATURE 1725-1850
1.0 Unit

MUSIC 146 is a class for students who want to learn and perform the standard orchestral repertoire from the Baroque era through the Romantic period. Literature includes overtures, symphonies, and suites. Emphasis is placed on interpretation and style. Note: An audition is required. Concert dress is required. Students must provide an appropriate instrument. Laboratory 3 hours. *Prerequisite*: The ability to perform on a standard orchestral instrument is required. Note: May be taken 4 times for credit. *Transfer Credit*: CSU, UC, USC. (C-ID MUS 180)

147
COMMUNITY ORCHESTRA:
LITERATURE 1825-1950
1.0 Unit

MUSIC 147 is a class for students who want to learn and perform the standard orchestral repertoire from the Romantic period through the present. Concerto literature and programmatic music are featured. Emphasis is placed on interpretation and style. Note: An audition is required. Concert dress is required. Students must provide an appropriate instrument. Laboratory 3 hours. *Prerequisite*: The ability to perform on a standard orchestral instrument is required. Note: May be taken 4 times for credit. Course Typically Offered: Fall/Spring. *Transfer Credit*: CSU, UC, USC. (C-ID MUS 180)

148
SMALL PERFORMING ENSEMBLES
1.0 Unit

MUSIC 148 is for the study, rehearsal, and performance of literature for specialized chamber ensembles, with an emphasis on the development of skills needed to perform in the ensemble. Different literature will be studied every semester with the ensembles in the genres of traditional classical, jazz, opera, and world music. The choice of ensemble is based on each student's identified area of performance study. Note: An audition is required. Please contact the instructor prior to the first class meeting. Students must provide an appropriate instrument. Studio 2 hours. *Prerequisite*: None. Note: May be taken 4 times for credit. Course Typically Offered: Fall/Spring. *Transfer Credit*: CSU, UC, USC. (C-ID MUS 185)

150
BEGINNING GUITAR
2.0 Units

MUSIC 150 is an introductory course in playing the guitar. Students learn basic playing technique, tuning, chords, and scales. An emphasis is placed on reading and performance of music in the open position. Repertoire is drawn from a diverse set of styles including but not limited to classical, folk, blues, rock, and jazz. No previous musical training or experience on the guitar is required. Note: This class requires the student to have a full-size guitar in playable condition. Lecture 1.5 hours/Laboratory 1.5 hours. *Prerequisite*: None. Course Typically Offered: Fall/Spring. *Transfer Credit*: CSU, UC, USC. (*Classical Guitar Family*)

152
STRING ENSEMBLE
1.0 Unit

MUSIC 152 is a small string instrumental group that participates in college and community ensembles and activities. Students learn balance, dynamics, phrasing, interpretation, and the ability to play well in an ensemble. This course may be taken four (4) times for credit. Note: An audition is required. Concert dress may be required. Students must supply appropriate instrument. Laboratory 3 hours. *Prerequisite*: The ability to perform on a musical instrument in a band, orchestra, or chamber music ensemble. Note: May be taken 4 times for credit. Course Typically Offered: Fall/Spring. *Transfer Credit*: CSU, UC, USC

153 CONTEMPORARY GUITAR I

2.0 Units

MUSIC 153 is a course in guitar playing in a variety of contemporary styles. Students learn contemporary guitar techniques, triads, moveable chords, major scales, and minor scales and practice reading music in the lower positions of the guitar in several keys. The course features a variety of contemporary guitar styles including but not limited to country, rock, blues, and jazz. Note: This class requires the student to have a full-size guitar in playable condition. Lecture 1.5 hours/Laboratory 1.5 hours. **Recommended Preparation:** MUSIC 150 or equivalent. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU, UC, USC

154 CONTEMPORARY GUITAR II

1.0 Unit

MUSIC 154 continues the study of guitar playing in a variety of contemporary styles. Students continue to develop contemporary guitar techniques, triads, extended chords, moveable chords, major scales, and minor scales. Emphasis is placed on extending reading beyond the open position in multiple keys. Repertoire is drawn from a variety of contemporary guitar styles including but not limited to country, rock, blues, and jazz. Note: This class requires the student to have a full-size guitar in playable condition. Laboratory 3 hours. **Prerequisite:** MUSIC 153 or equivalent. Course Typically Offered: Fall. **Transfer Credit:** CSU, UC, USC. (*Contemporary Guitar Family*)

155 CONTEMPORARY GUITAR III

1.0 Unit

MUSIC 155 continues the study of guitar playing in a variety of contemporary styles. Students continue to develop contemporary guitar techniques at intermediate and advanced levels and practice reading in multiple positions in all keys and reading at sight. This course features a variety of contemporary guitar styles including but not limited to country, rock, blues, and jazz. Note: This class requires the student to have a full-size guitar in playable condition. Laboratory 3 hours. **Prerequisite:** MUSIC 154 or equivalent. Course Typically Offered: Fall. **Transfer Credit:** CSU, UC, USC. (*Contemporary Guitar Family*)

156 CLASSICAL GUITAR I

2.0 Units

MUSIC 156 is for students who wish to learn the elementary techniques of classical guitar playing. Included are the studies of fundamental music reading, skills, notation for guitar, tuning, playing techniques, fingerings, key signatures and scales, and the performance of easy solo classical guitar literature in the first position. Another aspect of the course is to foster an appreciation for the classic guitar, its literature and performing artists. Note: This class requires the student to have a full-size guitar in playable condition. Lecture 1.5 hours/Laboratory 1.5 hours. **Recommended Preparation:** MUSIC 150 or equivalent. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU, UC, USC. (*Classical Guitar Family*)

157 CLASSICAL GUITAR II

1.0 Unit

MUSIC 157 continues with the study of basic classical guitar techniques. Dynamics, ligados, and grace notes are introduced. Students are acquainted with the entire fingerboard through scales in the 2nd, 4th, 5th, 7th and 9th positions, and also through selected compositions for the guitar from the 18th and 19th centuries, and solo arrangements of familiar tunes. Chord structure is discussed and applied to the fingerboard. Note: This class requires the student to have a full-size guitar in playable condition. Laboratory 3 hours. **Prerequisite:** MUSIC 156 or equivalent. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU, UC, USC. (*Classical Guitar Family*)

158 CLASSICAL GUITAR III

1.0 Unit

MUSIC 158 proceeds with techniques and compositions of intermediate level for classical guitar. Included for study are selected pieces from the Renaissance, Baroque, Classic and Romantic eras, as well as solo arrangements of familiar tunes. Knowledge of the entire fingerboard is further enhanced by the practice of two and three octave scales. Basic skills for transcribing music written for keyboard are introduced. Note: This class requires the student to have a full-size guitar in playable condition. Laboratory 3 hours. **Prerequisite:** MUSIC 157 or equivalent. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU, UC, USC. (*Classical Guitar Family*)

160 PIANO I

2.0 Units

MUSIC 160 is a course in the fundamentals of piano technique. It is designed for students with no prior experience in piano playing. Special attention will be given to the rudiments of music notation and reading. Lecture 1.5 hours/Laboratory 1.5 hours. **Prerequisite:** None. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU, UC, USC. (C-ID MUS 170) (*Piano Family*)

161 PIANO II

2.0 Units

MUSIC 161 advances the beginning pianist's fundamental skills. Emphasis will be given to beginning concepts of interpretation and tone coloring. Lecture 1.5 hours/Laboratory 1.5 hours. **Prerequisite:** MUSIC 160 or equivalent. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU, UC, USC. (C-ID MUS 171) (*Piano Family*)

162 PIANO III

2.0 Units

MUSIC 162 covers the theory and interpretation of works from the preclassical, classical, and romantic periods, as well as modern or contemporary music. Students learn development of technique, style, tone-color, dynamics, and phrasing. Laboratory 3 hours. **Prerequisite:** MUSIC 161 or equivalent. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU, UC, USC. (C-ID MUS 172) (*Piano Family*)

163 PIANO WORKSHOP I

1.0 Unit

MUSIC 163 is for Level One advanced students who can benefit from individual study and supervised practice time. Piano Workshop allows students to study solo repertoire, accompanying, ensemble playing, sight-reading, and improvisation. Laboratory 3 hours. **Prerequisite:** MUSIC 161 or equivalent. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU, UC, USC. (*Piano Family*)

164 PIANO WORKSHOP II

1.0 Unit

MUSIC 164 is for Level Two advanced students who can benefit from individual study and supervised practice time. Piano Workshop II allows students to study solo repertoire, accompanying, ensemble playing, sight-reading, and improvisation. Laboratory 3 hours. **Prerequisite:** MUSIC 163 or equivalent. **Transfer Credit:** CSU, UC, USC. (*Piano Family*)

165
PIANO WORKSHOP III
 1.0 Unit

MUSIC 165 is for Level Three advanced students who can benefit from individual study and supervised practice time. Piano Workshop III allows students to study solo repertoire, accompanying, ensemble playing, sight-reading, and improvisation. Laboratory 3 hours. *Prerequisite:* MUSIC 164 or equivalent. *Transfer Credit:* CSU, UC, USC. (*Piano Family*)

166
PIANO WORKSHOP IV
 1.0 Unit

MUSIC 166 is for Level Four advanced students who can benefit from individual study and supervised practice time. Piano Workshop IV allows students to study solo repertoire, accompanying, ensemble playing, sight-reading, and improvisation. Laboratory 3 hours. *Prerequisite:* Music 165 or equivalent. *Transfer Credit:* CSU, UC, USC. (*Piano Family*)

170
MUSIC THEATRE WORKSHOP
 3.0 Units

MUSIC 170 is designed to provide training and experience in the art of musical theatre. Performance of a major production is the objective of the course. Students have the opportunity to participate in the rehearsals and the development of the performances. Course work provides experience in the techniques of stage ensemble, acting, technical stage, costuming, and makeup. Auditions are held for all roles. Note: An audition is required. Students must demonstrate the ability to match pitch, sing a harmony part, maintain steady rhythm, and produce an acceptable vocal quality. Lecture 2 hours/Laboratory 3 hours. *Prerequisite:* None. *Transfer Credit:* CSU, UC, USC

171
INTRODUCTION TO MUSIC BUSINESS
 3.0 Units

MUSIC 171 offers musicians an introduction to the career aspects of the music industry. We explore jobs and roles in the music industry including: songwriters, film and television composers, arrangers, publishers, producers, engineers, record companies, retail, promotion, manufacturing, distribution, agents, music law, and managers. The course examines copyright legalities, publishing, licensing, marketing, contracts, performances, and entrepreneurial opportunities for musicians, and students learn about possible fields of employment and how to effectively present themselves to employers in the music industry. Lecture 3 hours. *Recommended Preparation:* ABSE 186 or ESL 141. Course Typically Offered: Spring. *Transfer Credit:* CSU. (C-ID CMUS 140X)

176
INTRODUCTION TO SONGWRITING
 3.0 Units

MUSIC 176 is designed for students who would like to acquire the skills to write a popular song. Students learn how the components of lyrics, melody, harmony, rhythm and form fit together within the structure of a popular song. In addition, students will become aware of the stylistic elements of different types of popular music and songs. The course will survey the history of songwriting, career opportunities, and business issues relevant to songwriters including copyright law. During the semester students write songs in different styles and learn how to make simple recordings of their songs. Original compositions and performances are expected from all students. Lecture 3 hours. *Recommended Preparation:* MUSIC 101 or equivalent. Course Typically Offered: Fall. *Transfer Credit:* CSU, UC. (C-ID MUS 150X)

177
INTRODUCTION TO MUSIC TECHNOLOGY
 3.0 Units

MUSIC 177 offers an introduction to the current applications of computers and software used in music creation, music sequencing, and music notation. Students will examine the terminology, equipment, techniques, and concepts related to music technology. The course will survey the principles and practices of sound, the musical instrument digital interface (MIDI), synthesis, notation, and using both hardware and software platforms to record audio. Lecture 3 hours. *Prerequisite:* None. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU, UC. (C-ID CMUS 100X)

178
INTRODUCTION TO RECORDING
 3.0 Units

MUSIC 178 offers an introduction to sound recording, acoustics, digital audio, and signal processing. Students learn audio terminology, signal flow, audio hardware operation, digital audio workstation (DAW) operation, and audio engineering techniques. Hardware is studied including microphones, cables, monitors, recorders, consoles, and signal processors. Students experience hands-on use of current music production hardware and software. Students also learn about recording studio procedures, jobs in the recording industry, mixing techniques, mastering, post production, and the product manufacturing process. Lecture 3 hours. *Prerequisite:* None. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU, UC. (C-ID CMUS 130X)

179
STUDIO RECORDING AND MIXING I
 2.0 Units

MUSIC 179 is an intermediate level audio recording and production class. The course covers tracking and recording audio, mixing sessions, using hardware and software based signal processing, and understanding signal flow at an intermediate level. Students will experience hands on use of analog and digital technology including a large format recording console, outboard dynamic processing, digital audio workstations, plugins, and a variety of microphones for audio engineering. The course offers students practical projects and practice in recording and mixing. Lecture 1.5 hours/Laboratory 1.5 hours. *Prerequisite:* MUSIC 177, MUSIC 178, MUSIC 181, MUSIC 184, or MUSIC 187. *Transfer Credit:* CSU. (C-ID CMUS 130X)

181
LIVE SOUND I
 2.0 Units

MUSIC 181 is an overview of live sound reinforcement in the music industry. Students study basic theories of sound system operation, room acoustics, and practical applications and learn setup and operation of sound system components such as microphones, mixing consoles, signal processors, amplifiers, and speakers systems. Students also explore analog and digital mixing and transmission technologies and will participate in hands-on experiences with system design, setup, troubleshooting, sound checking, mixing, and recording of live music events. Lecture 1.5 hours/Laboratory 1.5 hours. *Recommended Preparation:* MUSIC 177 or MUSIC 178. *Transfer Credit:* CSU. (C-ID CMUS 120X)

184 ELECTRONIC MUSIC I

2.0 Units

MUSIC 184 introduces the techniques and elements of electronic music production. Students will explore analog and digital synthesis techniques and will learn to craft original sounds with these synthesis techniques. Students will also learn the principles and techniques of digital sampling and Musical Digital Instrument Interface (MIDI) sequencing, eventually creating compositions using electronic music techniques. Lecture 1.5 hours/Laboratory 1.5 hours. **Recommended Preparation:** MUSIC 177. **Transfer Credit:** CSU, UC. (C-ID CMUS 110X)

187 PRO TOOLS I

3.0 Units

MUSIC 187 is an introductory course in the principles and operation of Pro Tools software. Students learn about fundamental software configuration, operation, and features from project creation to session completion. Students build skills through hands on Pro Tools projects that include audio and MIDI (musical instrument digital interface) recording, mixing, editing, effects processing, external controllers and the use of virtual instruments. Students use Pro Tools in a variety of contexts including music and post, multitrack mixing, music production and creation. This course also prepares students for the optional Pro Tools User certification exam in Pro Tools 101 and 110. The certification exam may be taken at the conclusion of the course. Note: Students who take MUS 187 cannot take MUS 185 or 186. Lecture 3 hours. **Recommended Preparation:** MUSIC 178. **Transfer Credit:** CSU

201 MUSICIANSHIP I

1.0 Unit

MUSIC 201 is a course designed for those who have an elementary knowledge of music and music notation. Students should be able to read bass and treble clefs, notes and notes values, time signatures and key signatures, and identify notes of a piano keyboard. Using this basic knowledge, fundamental concepts such as meter, scales and intervals are studied. These musical concepts are then applied in ear training, performing, and analysis exercises. Laboratory 3 hours. **Corequisite:** MUSIC 211. **Transfer Credit:** CSU, UC, USC. (C-ID MUS 125)

202 MUSICIANSHIP II

1.0 Unit

MUSIC 202 is a course designed to train the student to recognize, develop, and apply the rhythmic, melodic and harmonic materials studied in Harmony I through ear training, sight singing, dictation, and analysis. Content includes major and minor keys, simple and compound meter, and rhythms containing divisions and subdivisions. Laboratory 3 hours. **Prerequisite:** MUSIC 201. **Corequisite:** MUSIC 212. Course Typically Offered: Fall. **Transfer Credit:** CSU, UC, USC. (C-ID MUS 135)

203 MUSICIANSHIP III

1.0 Unit

MUSIC 203 is a course designed to train the student to recognize, develop, and apply the rhythmic, melodic and harmonic materials studied in Harmony III through ear training, sight singing, dictation, and analysis. Content includes more advanced metrical rhythms, chromatic alterations, secondary chords and modulation to closely-related keys. Laboratory 3 hours. **Prerequisite:** MUSIC 202 or equivalent. **Corequisite:** MUSIC 213 or equivalent. Course Typically Offered: Spring. **Transfer Credit:** CSU, UC, USC. (C-ID MUS 145)

204 MUSICIANSHIP IV

1.0 Unit

MUSIC 204 is a course designed to train the student to recognize, develop, and apply the rhythmic, melodic and harmonic materials studied in Harmony IV through ear training, sight singing, dictation, and analysis. Content includes advanced rhythms and meters, and contemporary scales, harmonies and melodic construction. Laboratory 3 hours. **Prerequisite:** MUSIC 203 or equivalent. **Corequisite:** MUSIC 214. **Transfer Credit:** CSU, UC, USC. (C-ID MUS 155)

211 HARMONY I

3.0 Units

MUSIC 211 is designed for students who have a beginning knowledge of music and music notation (reading bass and treble clefs, notes and note values, time signatures and key signatures and identifying notes of a piano keyboard). This course begins with the fundamental concepts of meter, scales, intervals, chords, and transposition, and then covers figured bass realization, 4-part writing and voice leading principles, Roman numeral analysis, basic chord function, and non-harmonic tones. These concepts are applied in analysis and composition exercises. Lecture 3 hours. **Corequisite:** MUSIC 201. Course Typically Offered: Spring. **Transfer Credit:** CSU, UC, USC. (C-ID MUS 120)

212 HARMONY II

3.0 Units

MUSIC 212 is a course designed to provide a working knowledge of the basics of musical composition. Emphasis is placed on voice leading, figured bass, and harmonizing melodies in diatonic harmony, including 7th chords. Students will be introduced to extended diatonic harmony through modulation, secondary chords and sequences, and to formal analysis through the study of binary and ternary forms. Students will both analyze and compose examples of the musical concepts being studied. Lecture 3 hours. **Prerequisite:** MUSIC 211 or equivalent. **Corequisite:** MUSIC 202. Course Typically Offered: Fall. **Transfer Credit:** CSU, UC, USC. (C-ID MUS 130)

213 HARMONY III

3.0 Units

MUSIC 213 is a course designed to provide student with a deeper understand of traditional composition. Emphasis is placed on secondary chords, borrowed and mixture chords, sequences, modulation, and using these elements in figured bass realization, harmonization, and analysis. MUSIC 213 also includes an introduction to chromatic harmony. Students will conduct formal analysis of music using binary and ternary forms, and will compose examples of the music concepts being studied. Lecture 3 hours. **Prerequisite:** MUSIC 212 or equivalent. **Corequisite:** MUSIC 203. Course Typically Offered: Spring. **Transfer Credit:** CSU, UC, USC. (C-ID MUS 140)

214 HARMONY IV

3.0 Units

MUSIC 214 is a course that further explores chromatic harmony and introduces the student to 20th century compositional techniques. Emphasis is placed on Neapolitan, augmented-sixth, tall, added sixth and altered dominant chords, and modulation to distantly-related keys. Students will compose examples of the music concepts being studied. 20th compositional techniques covered in MUSIC 214 include impressionism, tone rows, pandiatonicism, polytonalism, and advanced approaches to meter and rhythm. Lecture 3 hours. **Prerequisite:** MUSIC 213 or equivalent. **Corequisite:** MUSIC 204. **Transfer Credit:** CSU, UC, USC. (C-ID MUS 150)

**230
CHORUS****1.0 Unit**

MUSIC 230 is an intermediate course in the appreciation and performance of standard choral literature, with special emphasis on principles of part-singing, vocal control, interpretation, diction, phrasing, and breath control. Public performances are required. Note: Students must demonstrate the ability to match pitches and maintain steady rhythm. An audition is required. Laboratory 3 hours. *Prerequisite:* None. Note: May be taken 4 times for credit. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU, UC, USC. (C-ID MUS 180)

**231
COLLEGE CHOIR****1.0 Unit**

MUSIC 231 is a beginning course in the appreciation and performance of standard choral literature, with special emphasis on principles of part-singing, vocal control, interpretation, diction, phrasing, and breath control. Public performances are required. Note: Students must demonstrate the ability to match pitches and maintain steady rhythm. An audition is required. Laboratory 3 hours. *Prerequisite:* None. Note: May be taken 4 times for credit. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU, UC, USC. (C-ID MUS 180)

**232
CHAMBER CHORALE: WINTER PRODUCTIONS****1.0 Unit**

MUSIC 232 is a course in the appreciation and performance of choral literature designed for a chamber size ensemble of mixed voices (soprano, alto, tenor, bass). Emphasis is placed on a cappella music suitable for the winter holiday season. Public performance is required. Note: Students must demonstrate the ability to match pitches and maintain steady rhythm. An audition is required. Laboratory 3 hours. *Prerequisite:* None. Note: May be taken 4 times for credit. Course Typically Offered: Fall. *Transfer Credit:* CSU, UC, USC. (C-ID MUS 180)

**233
CHAMBER CHORALE: FESTIVAL****1.0 Unit**

MUSIC 233 is a course in the appreciation and performance of choral literature designed for a chamber size ensemble of mixed voices (soprano, alto, tenor, bass). Emphasis is placed on a cappella music of the Renaissance, Romantic motets, appropriate seasonal literature and art music suitable for performance at adjudicated festivals. Public performance is required. Note: Students must demonstrate the ability to match pitches and maintain steady rhythm. An audition is required. Laboratory 3 hours. *Prerequisite:* None. Note: May be taken 4 times for credit. Course Typically Offered: Spring. *Transfer Credit:* CSU, UC, USC. (C-ID MUS 180)

**235
CONCERT SINGERS:
MASTERWORKS****0.5 to 1.0 Units**

MUSIC 235 is a course in the appreciation and performance of large-scale choral masterworks composed with orchestral or instrumental ensemble accompaniment. Emphasis is placed on music composed after 1600. Public performance is required. Note: Students must demonstrate the ability to match pitches and maintain steady rhythm. An audition is required. Studio 3 hours. *Prerequisite:* None. Note: May be taken 4 times for credit. *Transfer Credit:* CSU, UC, USC

**236
VOCAL JAZZ ENSEMBLE:
TRADITIONAL****1.0 Unit**

MUSIC 236 is the study and performance of choral literature composed for small vocal ensembles in the jazz idiom. Traditional jazz and popular repertoire prior to the 1970s is emphasized and traditional seasonal music may be included. Improvisation is emphasized and microphones are used for group and individual tone production. Note: An audition is required. Students must demonstrate the ability to match pitch, sing a harmony part, maintain steady rhythm, and produce and acceptable vocal quality. Laboratory 3 hours. *Prerequisite:* None. Note: May be taken 4 times for credit. Course Typically Offered: Fall. *Transfer Credit:* CSU, UC, USC

**237
VOCAL JAZZ ENSEMBLE:
CONTEMPORARY****1.0 Unit**

MUSIC 237 is the study and performance of choral literature composed for small vocal ensembles in the jazz idiom. Contemporary jazz and pop repertoire from the 1950s or later is emphasized. Improvisation is incorporated into performances and microphones are used for group and individual tone production. Note: An audition is required. Students must demonstrate the ability to match pitch, sing a harmony part, maintain steady rhythm, and produce and acceptable vocal quality. Laboratory 3 hours. *Prerequisite:* None. Note: May be taken 4 times for credit. Course Typically Offered: Spring. *Transfer Credit:* CSU, UC, USC

**240
CONCERT SINGERS: HOLIDAY
CONCERT****1.0 Unit**

MUSIC 240 is a course in the appreciation and performance of traditional choral literature. Students study the cultural, historic and aesthetic context of the music performed. Emphasis is placed on non-orchestral music composed for the winter holiday season. Public performance is required. Note: Students must demonstrate the ability to match pitches and maintain steady rhythm. An audition is required. Laboratory 3 hours. *Prerequisite:* None. Note: May be taken 4 times for credit. *Transfer Credit:* CSU, UC, USC. (C-ID MUS 180)

**241
CONCERT SINGERS:
TRADITIONAL****1.0 Unit**

MUSIC 241 is a course in the appreciation and performance of traditional small-scale choral literature from the Renaissance, Baroque, Classical, and Romantic eras. Both a cappella and keyboard-accompanied literature will be studied. Emphasis is placed on music composed before the 20th century. Public performance is required. Note: Students must demonstrate the ability to match pitches and maintain steady rhythm. An audition is required. Laboratory 3 hours. *Prerequisite:* None. Note: May be taken 4 times for credit. Course Typically Offered: Fall. *Transfer Credit:* CSU, UC, USC. (C-ID MUS 180)

242 CONCERT SINGERS: CONTEMPORARY

1.0 Unit

MUSIC 242 is a course in the appreciation and performance of contemporary choral literature. Emphasis is placed on music composed during the 20th and 21st centuries. Public performance is required. Note: Students must demonstrate the ability to match pitches and maintain steady rhythm. An audition is required. Laboratory 3 hours. **Prerequisite:** None. Note: May be taken 4 times for credit. Course Typically Offered: Spring. **Transfer Credit:** CSU, UC, USC. (C-ID MUS 180)

NURSING SCIENCE

49 NURSING SCIENCE INDEPENDENT STUDY

1.0 to 3.0 Units

NS 49 provides independent exploration to familiarize students with research techniques, career options, and special academic interests in nursing. 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, with emphasis on individual research projects, library research, and/or preparation of research papers. 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 of 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. Laboratory 3-9 hours. **Corequisite:** Concurrent registration in 6 or more units. **Transfer Credit:** CSU

200 NURSING PERSPECTIVES

1.5 Units

NS 200 provides an overview of current health and nursing practice issues with their historical and contemporary influences. The course also introduces the nursing student to the attributes of the healthcare participant as an individual, a family, or a community within the healthcare system. Lecture 1.5 hours. **Prerequisite:** Selection for enrollment in the Registered Nursing Program. **Recommended Preparation:** LIB 100. Course Typically Offered: Winter/Summer. **Transfer Credit:** CSU

201 NURSING SEMINAR I

1.0 Unit

NS 201 reinforces the foundational nursing concepts across the lifespan for the level one nursing student. Principles of safety, evidence-based practice, clinical judgment, cultural competence, and pharmacology are explored and applied to simulated patients with acute and chronic conditions. Clinical skills are introduced facilitating the transition to their introductory clinical rotation in Medical-Surgical Nursing I. Note: This course is Pass/No Pass only. Laboratory 3 hours. **Prerequisite:** NS 200 and 205 or previous completion of equivalent coursework. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU

202 NURSING SEMINAR II

1.5 Units

NS 202 provides an enrichment opportunity for level two nursing students to apply medical-surgical, psychiatric, and pharmacological concepts to the clinical situation based on nursing core competencies. Note: This course is Pass/No Pass only. Lecture 1 hour/Laboratory 1.5 hours. **Prerequisite:** NS 211, or previous completion of equivalent coursework. Recommended **Corequisite:** NS 212 and 222 or previous completion of equivalent coursework. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU

203 NURSING SEMINAR III

1.5 Units

NS 203 provides an enrichment opportunity for all level three nursing students to further explore the application of medical-surgical and maternal-child health classroom content to the clinical situation. Note: This course is Pass/No Pass only. Lecture 1 hour/Laboratory 1.5 hours. **Prerequisite:** NS 212 (Generic Nursing Program) or NS 217 (Career Ladder LVN-RN Nursing Program) or previous completion of equivalent coursework. Recommended **Corequisite:** NS 213 and NS 223 or equivalent. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU

204 NURSING SEMINAR IV

1.0 Unit

NS 204 provides an enrichment opportunity for all level four nursing students to further explore the application of medical-surgical nursing and leadership classroom content to the contemporary clinical situation. The class provides an arena for the student to practice career-planning and employment-seeking strategies as well as cardiac arrhythmia detection/identification, respiratory complications, and advanced intravenous skills. This course includes discussion, demonstration, use of computer software, guided practice, audiovisual presentations, as well as high fidelity simulation. Note: An optional but highly recommended class in the Registered Nursing curriculum. Note: This course is Pass/No Pass only. Lecture 0.5 hour/Laboratory 1.5 hours. **Prerequisite:** NS 213 or previous completion of equivalent coursework. **Corequisite:** NS 214 Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU

205 ESSENTIALS OF MEDICATION ADMINISTRATION

0.5 Units

NS 205 introduces the foundational concepts of pharmacology and the nurse's role in safe medication administration. Laboratory 1.5 hours. **Prerequisite:** Selection for enrollment in the Registered Nursing Program. **Recommended Preparation:** LIB 100. Course Typically Offered: Winter/Summer. **Transfer Credit:** CSU

208 PHARMACOLOGY FOR NURSING

2.5 Units

NS 208 introduces the student to pharmacologic nursing practice from a conceptual approach using core competencies for nurses. Safe and effective pharmacologic management of acute and chronic conditions is emphasized. Lecture 2.5 hours. **Prerequisite:** NS 205 or previous completion of equivalent coursework. **Transfer Credit:** CSU

210 FUNDAMENTALS OF NURSING

3.5 Units

NS 210 provides the foundation of nursing knowledge, skills, and caring attitudes upon which subsequent nursing courses build. This course introduces fundamental nursing skills and facilitates the application of concepts, while employing principles of patient-centered and clinical judgment. Note: A material/lab fee may be required for this course. Lecture 1.5 hours/Laboratory 6 hours. **Prerequisite:** NS 200 and NS 205 or previous completion of equivalent coursework. **Corequisite:** Enrollment in NS 201 and NS 208 or previous completion of equivalent coursework. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU

211 MEDICAL-SURGICAL NURSING I

3.5 Units

NS 211 focuses on health and illness concepts for care of individuals with common acute or chronic health conditions. Emphasis is placed on introductory concepts and the care of adult and older adult patients with alterations in mobility, sensory perception, tissue integrity, nutrition, and elimination. Lecture 1.5 hours/Laboratory 6 hours. **Prerequisite:** NS 205 and 210 or previous completion of equivalent coursework. **Corequisite:** NS 201 and 208 or previous completion of equivalent coursework. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU

212 MEDICAL-SURGICAL NURSING II

4.0 Units

NS 212 continues the study of adults with complex acute and chronic health conditions requiring more complex nursing interventions and skills using the nursing process. Quality and Safety Education for Nurses (QSEN) competencies and professionalism are emphasized. The student builds on previously acquired nursing knowledge and skills. Curricular concepts are applied in didactic and clinical experiences. Lecture 2 hours/Laboratory 6 hours. **Prerequisite:** NS 211 or previous completion of equivalent coursework. Recommended **Corequisite:** Enrollment in NS 202 is highly recommended. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU

213 MEDICAL-SURGICAL NURSING III

4.0 Units

NS 213 continues the study of the adult with unmet needs resulting from multisystem and emergent health conditions. In the clinical settings students will have an opportunity to apply theoretical concepts, demonstrate clinical reasoning and augment clinical skills. Lecture 2 hours/Laboratory 6 hours. **Prerequisite:** NS 212 or NS 217 and NS 218 or previous completion of equivalent coursework. Recommended **Corequisite:** Enrollment in NS 203 Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU

214 MEDICAL-SURGICAL NURSING IV

6.0 Units

NS 214 continues the study of the adult with unmet needs resulting from complex health problems. This course addresses the needs of patients/clients whose health care needs require complex nursing interventions and proficiency in the planning and delivery of safe, effective, and optimal care. Content includes licensure issues and leadership principles in preparation for entry into practice as a licensed registered nurse. Clinical experiences are structured in a preceptorship format to provide a greater opportunity for the student to refine teamwork and collaboration skills, apply theoretical concepts and manage multiple priorities, as well as enhance critical thinking and clinical skills. Emphasis is placed on the evaluation of electronic information available in the workplace to promote delivery of patient-centered care. Lecture 2.5 hours/Laboratory 10.5 hours. **Prerequisite:** Completion of NS 213 Recommended **Corequisite:** NS 204 Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU

215 NURSING PRACTICE IN CONTEMPORARY SETTINGS

2.5 Units

NS 215 provides the fourth semester nursing student with the opportunity to integrate and apply previously learned skills and knowledge from all areas of nursing practice to new, current, and/or evolving health care settings. Classroom content focuses on the forces which have influenced contemporary health care in America as well as the sociological, political, and economic/legal issues which shape the delivery of current health care and the practice of nursing. Classroom and clinical experiences assist the student to acquire additional proficiency which will assist in securing an entry level registered nurse position. Lecture 1.5 hours/Laboratory 3 hours. **Prerequisite:** NS 213. **Corequisite:** NS 214. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU

216 INTERMEDIATE CLINICAL EXPERIENCE

2.0 Units

NS 216 focuses on contemporary health and illness concepts toward care of individuals with complex acute or chronic health conditions in the acute care setting. This clinical course serves as a bridge to facilitate the transition to the final semester of the nursing program, further enhancing safe and effective patient-centered care, teamwork and collaboration with all members of the healthcare team. Note: This course is Pass/No Pass only. Laboratory 6 hours. **Prerequisite:** NS 212 (Generic Nursing Program) or NS 213 and NS 217 (Career Ladder LVN-RN Program) or equivalent. Course Typically Offered: Winter/Summer. **Transfer Credit:** CSU

217 ADVANCED PLACEMENT NURSING BRIDGE COURSE

1.0 Unit

NS 217 is an introduction for the advanced placement student (Licensed Vocational Nurse-Registered Nurse, Foreign Nurse Graduate, or Generic Transfer) to the concepts central to registered nursing practice. It provides clarification of the philosophy, unifying theme, and the nursing process that serve as the foundation for the registered nurse curriculum at Glendale Community College. Topics also provide an overview of regulatory scopes of practice, healthcare delivery trends, and the influence of commissions and agencies on nursing practice, such as the Quality and Safety Education for Nurses framework (QSEN). Methods and review of contemporary library and database research and their application to nursing scholarship and practice are presented. Lecture 1 hour/Laboratory 1.5 hours. **Prerequisite:** Selection for enrollment in the Registered Nursing Program. **Recommended Preparation:** LIB 191. **Transfer Credit:** CSU

218 NURSING PHARMACOLOGY REVIEW AND UPDATE

1.5 Units

NS 218 encompasses a review of basic pharmacology content and dosage calculation, emphasizing pharmaceutical principles. Current changes in medication administration safety measures are stressed, including intravenous medication administration. The course establishes a current foundation for pharmacological therapy in nursing by providing a review of drug classifications while giving prominence to current changes in these classifications and representative agents. Lecture 1.5 hours. **Prerequisite:** Selection for enrollment in the Registered Nursing Program.

219 CLINICAL ENRICHMENT

2.0 Units

NS 219 provides the currently enrolled or returning nursing student with additional supervised clinical experience in the acute care hospital setting. Clinical assignments are intended to provide the opportunity for the student to strengthen previously learned basic nursing skills through repetition. This course fosters the knowledge and skills of the student to effectively perform patient-centered care. The rotation is designed to improve general patient care skills by offering experiences which foster confidence, critical thinking, time management and prioritizing skills, communication in the clinical setting, and collaboration/teamwork with all members of the healthcare team. Note: This course is Pass/No Pass only. Laboratory 6 hours. **Prerequisite:** NS 210 or equivalent. **Transfer Credit:** CSU

222 PSYCHIATRIC NURSING

3.5 Units

NS 222 focuses on acute and chronic mental health and psychosocial disorders. Student gains the knowledge, attitudes/behaviors, and skills to care for the patient with developmental, environmental, cultural, psychological, and socioeconomic needs. Emphasis is placed on a conceptual approach using core competencies for nurses in didactic and clinical experiences. Lecture 2 hours/Laboratory 4.5 hours. **Prerequisite:** NS211 or previous completion of equivalent coursework. Recommended **Corequisite:** Enrollment in NS202 is highly recommended. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU

223 MATERNAL CHILD HEALTH

5.5 Units

NS 223 focuses on maternal, newborn, pediatric, and women's health concepts. Curricular concepts are applied in seminar, laboratory, and clinical settings specific to these specialties. Lecture 3.5 hours/Laboratory 6 hours. **Prerequisite:** NS 222 or previous completion of equivalent coursework. Recommended **Corequisite:** Enrollment in NS203 Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU

NUTRITION

50 DIETETIC SERVICES INTERNSHIP

3.0 Units

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. Laboratory 9 hours. **Prerequisite:** CULIN 111 and 113; NUTR 114 and 118 (NUTR 118 can be taken concurrently). **Recommended Preparation:** ENGL C1000 or ESL 141. **Transfer Credit:** CSU

114 NUTRITION AND MENU PLANNING

3.0 Units

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. Lecture 3 hours. **Recommended Preparation:** NUTR 125 and ENGL C1000 or ESL 151.

118 DIETARY HEALTH CARE

4.0 Units

NUTR 118 is a study of the functions of a health care facility's dietary department and its policies, procedures, and the management of its food service operations. Consideration is given to appropriate menus for various age groups and disease conditions, accommodation of therapeutic diet prescriptions and special needs, standards of tray service, patient satisfaction, regulatory agency guidelines, and general organizational and operational issues. Lecture 4 hours. **Prerequisite:** NUTR 114 (NUTR 114 may be taken concurrently). **Recommended Preparation:** ENGL C1000 or ESL 151. **Transfer Credit:** CSU

125 ELEMENTS OF NUTRITION

3.0 Units

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. Lecture 3 hours. **Recommended Preparation:** ENGL C1000 or ESL 151, or equivalent. **Transfer Credit:** CSU, UC, USC. (C-ID NUTR 110)

201 CERTIFIED DIETARY MANAGER (CDM) BOARD EXAM REVIEW

2.0 Units

NON-DEGREE APPLICABLE

NUTR 201 provides students with information, resources and insights to facilitate their preparation for the national credentialing examination for dietary managers in health care institutions. Topics cover the five competency areas included in the Certified Dietary manager (CDM) Board exam, namely: Nutrition, Foodservice, Personnel and Communications, Sanitation and Food Safety, and Business Operations. Note: This is a Pass/No Pass only. Lecture 2 hours. **Recommended Preparation:** Dietetic Services Supervisor (DSS) Certificate and ENGL C1000 or ESL 151.

OCEANOGRAPHY

**49
OCEANOGRAPHY INDEPENDENT
STUDY****1.0 to 3.0 Units**

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. Laboratory 3-9 hours. **Corequisite:** Concurrent registration in 6 or more units. **Transfer Credit:** CSU

**115
OCEANOGRAPHY**
3.0 Units

OCEAN 115 is an introduction to the physical, chemical, and geological aspects of oceanography. Lecture 3 hours. **Recommended Preparation:** ABSE 187 or ESL 141, or equivalent. Course Typically Offered: Winter/Spring/Summer/Fall. **Transfer Credit:** CSU, UC, USC

**116
OCEANOGRAPHY LABORATORY**
1.0 Unit

OCEAN 116 is an introduction to the common laboratory practices and exercises on the physiochemical and geological aspects of oceanography. Laboratory 3 hours per week including 8 hours of supervised observations and data collection aboard an oceanographic research vessel. Laboratory 3 hours. **Prerequisite:** OCEAN 115. (OCEAN 115 may be taken concurrently.) Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU, UC, USC

PHILOSOPHY

**48
PHILOSOPHY INTERNATIONAL
FIELD STUDIES****1.0 to 3.0 Units**

PHILO 48 provides college credit to study philosophy 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. **Corequisite:** Concurrent registration in 6 or more units or equivalent. **Transfer Credit:** CSU

**49
PHILOSOPHY INDEPENDENT
STUDY****1.0 to 3.0 Units**

PHILO 49 provides independent exploration to familiarize students with research techniques, career options, and special academic interests in philosophy. 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. Laboratory 3-9 hours. **Corequisite:** Concurrent registration in 6 or more units. **Transfer Credit:** CSU

**101
INTRODUCTION TO PHILOSOPHY**
3.0 Units

PHILO 101 is an overview of the classical and modern problems of philosophy. Students examine the source and limits of knowledge and ethical values. The course explores a range of philosophical issues, including problems about political justice, the self, death, art, and truth itself. Lecture 3 hours. **Recommended Preparation:** ENGL C1000, ENGL C1000E, or ENGL C1000H, or equivalent. Course Typically Offered: Winter/Spring/Summer/Fall. **Transfer Credit:** CSU, UC, USC. (C-ID PHIL 100)

**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 C1000, ENGL C1000E, or ENGL C1000H, or equivalent. **Transfer Credit:** CSU, UC. (C-ID PHIL 100)

**115
RELIGIONS OF THE WORLD**
3.0 Units

PHILO 115 examines the ideas and philosophical debates from the world's religious traditions, including Hinduism, Buddhism, Daoism, Christianity, and Islam. In the process, students think through and discuss some of the biggest questions that have concerned humanity: What is the nature of ultimate reality? What is the purpose of human life? Why does evil exist in the world? Note: This course may not be taken by students who have completed PHILO 113 or PHILO 114 prior to Fall 2018. Lecture 3 hours. **Recommended Preparation:** ENGL C1000, ENGL C1000E, or ENGL C1000H, or equivalent. **Transfer Credit:** CSU, UC, USC

**116
ETHICS FOR MODERN LIFE**
3.0 Units

PHILO 116 analyzes ethical concepts like the notion of goodness, the scope of morality, and the role (or lack of) free will. Students are introduced to major ethical systems including utilitarianism, modern Aristotelianism (or virtue ethics), Kant's deontology, Marxism, existentialism, and feminist critiques of those systems. Students also apply these frameworks to the moral questions of today. Lecture 3 hours. **Recommended Preparation:** ENGL C1000, ENGL C1000E, or ENGL C1000H, or equivalent. Course Typically Offered: Spring. **Transfer Credit:** CSU, UC, USC. (C-ID PHIL 120)

117 INTRODUCTION TO LOGIC

3.0 Units

PHILO 117 is a study of the structure and function of language, inductive and deductive forms of reasoning and argumentation. The course includes the study of formal argumentation, the predicate calculus, the methods of experimental inquiry, and the nature of scientific proof. Lecture 3 hours. **Recommended Preparation:** ENGL 100 or ESL 151. Course Typically Offered: Winter/Spring/Summer/Fall. **Transfer Credit:** CSU, UC, USC. (C-ID PHIL 110)

119 HISTORY OF PHILOSOPHY: ANCIENT PERIOD

3.0 Units

PHILO 119 is a critical study of the philosophic systems of the ancient Greeks and Romans, with special emphasis on the Pre-Socratics, the Sophists, Plato, Aristotle, and post-Aristotelian philosophical thinkers. Lecture 3 hours. **Recommended Preparation:** ENGL 100 or ESL 151. Course Typically Offered: Fall. **Transfer Credit:** CSU, UC, USC. (C-ID PHIL 130)

120 HISTORY OF PHILOSOPHY: MODERN PERIOD

3.0 Units

PHILO 120 is a critical study of the philosophic systems and ideas of the early modern period that have had a dominant impact on Western civilization, with special emphasis on Descartes, Spinoza, Leibniz, Locke, Berkeley, Hume, and Kant. Lecture 3 hours. **Recommended Preparation:** ENGL 100 or ESL 151. Course Typically Offered: Spring. **Transfer Credit:** CSU, UC, USC. (C-ID PHIL 140)

121 HISTORY OF PHILOSOPHY IN THE ISLAMIC WORLD

3.0 Units

PHILO 121 introduces students to the traditions and debates of philosophy in the Islamic world. We explore the relationship between philosophy and religion; the nature of divine knowledge (what does God know?) and of human knowledge (what can humans know?); the world's creation (is it eternal or created in time?); and ideals of government and political leadership. Students read selections from multiple religious traditions and from thinkers such as Al-Fārābī, Ibn Sīnā (or Avicenna), Al-Ghazālī, Ibn Rushd (or Averroës), and Maimonides. The course also covers necessary historical and cultural context: there is no assumption of prior study in philosophy or history. Lecture 3 hours. **Recommended Preparation:** ENGL C1000, ENGL C1000E, or ENGL C1000H, or equivalent. Course Typically Offered: Spring. **Transfer Credit:** CSU, UC, USC

130 INTRODUCTION TO SOCIAL AND POLITICAL PHILOSOPHY

3.0 Units

PHILO 130 introduces students to the most influential theories and thinkers of social and political philosophy. We will discuss issues including justice, freedom, power, authority, labor, and racial and gender equity from perspectives such as liberalism, Marxism, and post-colonialism. We will also examine contemporary social and political issues with these frameworks. Lecture 3 hours. **Recommended Preparation:** ENGL C1000, ENGL C1000E, or ENGL C1000H, or equivalent. **Transfer Credit:** CSU, UC

PHOTOGRAPHY

49 PHOTOGRAPHY INDEPENDENT STUDY

1.0 to 3.0 Units

PHOTO 49 provides independent exploration to familiarize students with research techniques, career options, and special academic interests in, photography. 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. Laboratory 3-9 hours. **Corequisite:** Concurrent registration in 6 or more units.

50 PHOTOGRAPHY INTERNSHIP

1.0 to 3.0 Units

PHOTO 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, photography 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, photography. 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. Laboratory 3-9 hours. **Prerequisite or Corequisite:** PHOTO 103, 111, 112, 130, 132, 140, 144, or 146. **Recommended Preparation:** ENGL C1000 or ESL 151. **Transfer Credit:** CSU

100
DIGITAL PHOTOGRAPHY I
3.0 Units

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. Note: A material/lab fee may be required for this course. Studio 6 hours. **Recommended Preparation:** ESL 125 and ABSE 20. **Transfer Credit:** CSU, UC, USC

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. Note: A material/lab fee may be required for this course. Studio 6 hours. **Recommended Preparation:** ESL 125 and ABSE 20. Course Typically Offered: Winter/Spring/Summer/Fall. **Transfer Credit:** CSU, UC, USC

103
TRADITIONAL PHOTOGRAPHY II
3.0 Units

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. Note: A material/lab fee may be required for this course. Studio 6 hours. **Prerequisite:** PHOTO 101 or equivalent. Course Typically Offered: Spring. **Transfer Credit:** CSU, UC

105
TRADITIONAL PHOTOGRAPHY III
3.0 Units

PHOTO 105 allows students to refine and develop skills learned in PHOTO 103. This course provides a concentrated study in black and white photographic techniques. Students combine technique and concept to explore the black and white process and participate in group and individual critique throughout the term. Students study the work of historic and contemporary photographers working in black and white photography. Students are encouraged to develop their own expressive aesthetics and concepts in their work. Note: Medium and large format cameras are available for checkout from Photography Department. Studio 6 hours. **Prerequisite:** PHOTO 103. **Transfer Credit:** CSU, UC

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. Note: A material/lab fee may be required for this course. Studio 6 hours. **Prerequisite:** PHOTO 100 or equivalent. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU

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. Note: A material/lab fee may be required for this course. Studio 6 hours. **Prerequisite:** PHOTO 111 or equivalent. Course Typically Offered: Fall. **Transfer Credit:** CSU

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. Note: A material/lab fee may be required for this course. Studio 6 hours. **Prerequisite:** PHOTO 100 or PHOTO 101. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU, UC

132
DIGITAL PHOTOGRAPHY III
3.0 Units

PHOTO 132 provides second level instruction in digital image editing and cataloging software, like Adobe Lightroom and Photoshop for digital photography. Retouching, compositing and printing skills are enhanced with hands on training. Students work on projects using their own digital photos. Note: A material/lab fee may be required for this course. Studio 6 hours. **Prerequisite:** PHOTO 130 or equivalent. **Transfer Credit:** CSU, UC

136
DRONE PHOTOGRAPHY
2.0 Units

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. Lecture 1 hour/Laboratory 3 hours. **Recommended Corequisite:** AT 152. **Transfer Credit:** CSU

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. Note: A material/lab fee may be required for this course. Studio 6 hours. **Prerequisite:** PHOTO 103, PHOTO 111, or PHOTO 130, or equivalent. **Transfer Credit:** CSU

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. Note: A material/lab fee may be required for this course. Studio 6 hours. **Prerequisite:** PHOTO 112 or equivalent (PHOTO 112 may be taken concurrently). **Transfer Credit:** CSU

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. Note: This course may not be taken by students who have completed PHOTO 118 prior to Fall 2019. Studio 6 hours. **Prerequisite:** PHOTO 103, PHOTO 111, or PHOTO 130, or equivalent. **Transfer Credit:** CSU

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. Note: A material/lab fee may be required for this course. Studio 6 hours. **Prerequisite:** PHOTO 103, PHOTO 111, or PHOTO 130, or equivalent. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU

156 PROFESSIONAL PRACTICES FOR PHOTOGRAPHERS

3.0 Units

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. Lecture 3 hours. **Prerequisite:** PHOTO 101. Course Typically Offered: Spring.

158 CONTEMPORARY PHOTOGRAPHY AND PRACTICES

3.0 Units

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. Lecture 3 hours. **Recommended Preparation:** ENGL C1000 or ESL 151, or equivalent. Course Typically Offered: Spring. **Transfer Credit:** CSU

160 PHOTOSHOP

3.0 Units

PHOTO 160 introduces students to basic imaging techniques using Photoshop, an industry standard graphics software and image editor. Students will work with tools, layers, adjustments, and layer masks to create graphics, enhance images, and composite. Students create projects using course information. Note: Photography majors should enroll in PHOTO 130 rather than PHOTO 160. Note: This course may not be taken by students who have completed PHOTO 121 prior to Fall 2019. Lecture 2 hours/Studio 2 hours. **Prerequisite:** None. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU, UC

170 FIELD STUDIES IN PHOTOGRAPHY

1.0 to 2.0 Units

PHOTO 170 provides students with hands-on experience photographing in the field. Students will travel and study in the United States at the student's own expense. Each course offering will concentrate on a specific target area, chosen for its cultural or social significance. Each student will create an individual project that relates to each site, under the direction of a Glendale Community College Photography instructor. Note: This course may be taken 4 times; a maximum of 12 units may be earned. Each repetition must be in a different area of the United States. Studio 2-4 hours. **Prerequisite:** PHOTO 100 or equivalent. **Transfer Credit:** CSU

PHYSICAL EDUCATION

The Kinesiology Division/Physical Education Department offers a wide variety of physical education (PE) courses to meet the varied interests of the student. PE courses are activity courses offered as laboratory units.

Intercollegiate athletics courses can be found under the Athletic Physical Education department (ATHPE) in the catalog. Student-athletes should refer to these courses for participation on intercollegiate athletics teams.

Kinesiology majors and Fitness Specialist Certificate students should consult the KIN AA-T degree model curriculum and/or the FS Certificate requirements to determine appropriate courses for the major/certificate in the Kinesiology (KIN), Physical Education (PE), Health (HTLH) departments.

PE classes are organized into the families listed below, based on the type of activity performed. Students are encouraged to explore a variety of activities from different families during their educational journey.

- Cardio Fitness (PE 101, 102, 103, 104).
- Cycling (PE 110, 111, 112).
- Basketball (PE 150, 151, 152).
- Motor Performance Fitness (PE 108, 180, 181, 182, 295, 296, 297).
- Golf (PE 202, 203, 204).
- Martial Arts (PE 215, 216, 217, 218, 219, 220, 221).
- Racquet (PE, 140, 141, 142, 256, 257, 258, 261, 262, 263).
- Soccer/Football (210, 211, 212, 238, 239, 240).
- Volleyball (PE 274, 275, 276).
- Adapted Physical Education (PE 130, 131, 132, 134, 135).

49 PHYSICAL EDUCATION INDEPENDENT STUDY 1.0 to 3.0 Units

PE 49 provides well-qualified students with an opportunity to explore a subject in greater depth than usual, to familiarize students with some basic research techniques, to interest students in possible career areas, and to take advantage of special academic interests. Emphasis shall be on individual research projects, library research and preparation of research papers. There is no prescribed course content. Students develop a research project, have it approved by the sponsoring instructor and appropriate division chairperson, then submit the finished project, which may be library research, or perhaps a supervised experimental program related to a specific course of instruction. Registration is open to any student at GCC who is currently registered for 6 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 6 units per division. The units received may be acceptable for college transfer subject to the approval of the individual college. Note: Independent Study are arranged by faculty in the Kinesiology Division. This course may be taken 3 times; a maximum of 9 units may be earned. Laboratory 3-9 hours. **Corequisite:** Concurrent registration in 6 or more units. **Transfer Credit:** CSU

101 FITNESS LAB I 1.0 to 2.0 Units

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. Laboratory 3.0-6.0 hours. **Prerequisite:** None. Course Typically Offered: Winter/Spring/Summer/Fall. **Transfer Credit:** CSU, UC, USC. (*Cardio Fitness Family*)

102 FITNESS LAB II 1.0 to 2.0 Units

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. Laboratory 3.0-6.0 hours. **Recommended Preparation:** PE 101. Course Typically Offered: Winter/Spring/Summer/Fall. **Transfer Credit:** CSU, UC, USC. (*Cardio Fitness Family*)

103 FITNESS LAB III 1.0 Unit

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. Laboratory 3 hours. **Recommended Preparation:** PE 102. **Transfer Credit:** CSU, UC, USC. (*Cardio Fitness Family*)

104 FITNESS LAB IV 1.0 Unit

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. Laboratory 3 hours. **Recommended Preparation:** PE 103. **Transfer Credit:** CSU, UC, USC. (*Cardio Fitness Family*)

108 GROUP EXERCISE I 1.0 Unit

PE 108 offers various modes of moderate-vigorous aerobic exercise set to contemporary music. Course includes instruction on group exercise formats as well as basic physiology, safety protocols and programming of aerobic fitness. Note: Students who have completed PE 164 or DANCE 164 may not receive credit for this course. Laboratory 3 hours. **Prerequisite:** None. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU, UC, USC. (*Motor Performance Family*)

110 INDOOR CYCLING I

1.0 Unit

PE 110 offers instruction in indoor cycling, a low-impact, non-weight-bearing physical activity, enhancing cardiorespiratory and muscular performance, and promoting mental and emotional well-being. Various cycling routines are performed on a stationary spinning bicycle accompanied by both auditory and visual cues. Laboratory 3 hours. *Prerequisite:* None. Course Typically Offered: Fall. *Transfer Credit:* CSU, UC, USC. (*Cycling Family*)

111 INDOOR CYCLING II

1.0 Unit

PE 111 offers instruction in indoor cycling dealing with basic cardiovascular fitness which is achieved through general cycling, fast cycling, sprints, intervals, and climbing. Cycling safety, bike fit, and heart rate training are incorporated with choreographed workouts. Note: This course may not be taken by students who have completed PE 121 prior to Spring 2016. Laboratory 3 hours. *Prerequisite:* PE 110. Course Typically Offered: Fall/Spring/Winter. *Transfer Credit:* CSU, UC, USC. (*Cycling Family*)

112 INDOOR CYCLING III

1.0 Unit

PE 112 offers instruction in advanced techniques of indoor cycling to improve cardiovascular and muscular fitness, including steady-state training, intervals, hill climbs, sprints and high-intensity interval training (HIIT). Targeting appropriate heart rate zones and arranging various components of training are discussed, as well as programming appropriate revolutions-per-minute (RPM) and music tempo for choreographed workouts. Laboratory 3 hours. *Prerequisite:* PE 111. *Transfer Credit:* CSU, UC. (*Cycling Family*)

130 ADAPTED ACTIVITIES

1.0 Unit

PE 130 is a diversified program of developmental activities for students with disabilities which enable their participation in a regular physical education program. The emphasis is on the student's abilities, not their disabilities. Note: This course is primarily designed for students who meet Title 5 eligibility requirements for the Disabled Students Programs and Services (DSPS). Laboratory 3 hours. *Prerequisite:* None. Note: May be taken 4 times for credit. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU, UC, USC. (*Adapted Physical Education*)

131 ADAPTED SELF DEFENSE

1.0 Unit

PE 131 teaches the basics of self-defense training. Instruction includes practice in the fundamental techniques, and the philosophy of self-defense for students with disabilities. Students learn the practice of Tai Chi forms to promote body awareness, motor development and the ability to protect and defend themselves. Note: This course is primarily designed for students who meet Title 5 eligibility requirements for Disabled Students Programs and Services (DSPS). Laboratory 3 hours. *Recommended Preparation:* PE 134. Note: May be taken 4 times for credit. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU, UC, USC. (*Adapted Physical Education*)

132 ADAPTED AQUATICS

1.0 Unit

PE 132 is a diversified program of aquatics for students with disabilities that enables their participation in a regular physical education aquatics program. The emphasis is on the student's abilities and adapting them to facilitate swimming, water aerobics, and aquatic skills proficiency. Note: This course is primarily designed for students who meet Title 5 eligibility requirements for Disabled Students Programs and Services (DSPS). Laboratory 3 hours. *Prerequisite:* None. Note: May be taken 4 times for credit. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU, UC, USC. (*Adapted Physical Education*)

134 ADAPTED WELLNESS AND FITNESS LABORATORY

1.0 Unit

PE 134 is a laboratory physical fitness course for students with disabilities. This course is designed to develop and encourage positive attitudes and habits with regard to cardiovascular efficiency, body composition, muscular strength, endurance and flexibility. Students are assessed in these areas to establish a personalized fitness program. Note: This course is primarily designed for students who meet Title 5 eligibility requirements for Disabled Students Programs and Services (DSPS). Note: This course is Pass/No Pass only. Laboratory 3 hours. *Prerequisite:* None. Note: May be taken 4 times for credit. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU, UC, USC. (*Adapted Physical Education*)

135 ADAPTED INDOOR CYCLING FOR FITNESS

1.0 Unit

PE 135 offers students with disabilities instruction in indoor cycling. Indoor cycling is a low-impact, non-weight-bearing physical activity, which enhances cardiorespiratory and muscular performance. The course promotes physical, as well as mental and emotional well-being. Various cycling routines are performed on a stationary spinning bicycle accompanied by both auditory and visual cues. Note: This course is primarily designed for students who meet Title 5 eligibility requirements for Disabled Student Programs and Services (DSPS). Laboratory 3 hours. *Recommended Preparation:* PE 134. Note: May be taken 4 times for credit. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU, UC, USC. (*Adapted Physical Education*)

140 BADMINTON I

1.0 Unit

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. Laboratory 3 hours. *Prerequisite:* None. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU, UC, USC. (*Racquet Family*)

141 BADMINTON II

1.0 Unit

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. Laboratory 3 hours. *Prerequisite:* PE 140. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU, UC, USC. (*Racquet Family*)

142 BADMINTON III

1.0 Unit

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. Laboratory 3 hours. *Prerequisite:* PE 141. *Transfer Credit:* CSU, UC, USC. (*Racquet Family*)

**150
BASKETBALL I****1.0 Unit**

PE 150 teaches the beginning concepts of basketball as a life-time activity. Instruction includes practice in fundamental techniques, rules of basketball, development of team play, and competitive participation. Students learn fundamental warm-up and cool-down techniques, basketball fundamentals, safety, and physiological and psychological benefits of playing basketball. Laboratory 3 hours. *Prerequisite:* None. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU, UC, USC. (*Basketball Family*)

**151
BASKETBALL II****1.0 Unit**

PE 151 teaches the intermediate concepts of basketball as a life-time activity. Instruction includes a review of the fundamental techniques, rules of basketball, development of team play and competitive participation. Students also learn several offensive and defensive strategies and game planning, how to organize effective practice drills to perfect offensive and defensive player development, and the physiological and psychological benefits of playing basketball, and the psychological considerations of competition. Laboratory 3 hours. *Prerequisite:* PE 150. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU, UC, USC. (*Basketball Family*)

**152
BASKETBALL III****1.0 Unit**

PE 152 teaches the advanced concepts of basketball and the application of practice and game situational strategies. Instruction includes a review of intermediate techniques, rules of basketball, development of team play and competitive participation. Students also learn several offensive and defensive strategies and game planning, how to organize effective practice drills to perfect offensive and defensive fundamentals, and the physiological and psychological considerations of basketball competition. Laboratory 3 hours. *Prerequisite:* PE 151. *Transfer Credit:* CSU, UC, USC. (*Basketball Family*)

**180
RUNNING AEROBICS I****1.0 Unit**

PE 180 teaches the beginning concepts of running aerobics as a life-time activity. Instruction includes training components, heart rate zones, stride technique, and proper alignment. Students learn the fundamental warm-up and cool-down techniques, running health, safety, and physiological and psychological benefits of running. Note: This course may not be taken by students who have completed PE 226 prior to Spring 2016. Laboratory 3 hours. *Prerequisite:* None. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU, UC, USC. (*Motor Performance Family*)

**181
RUNNING AEROBICS II****1.0 Unit**

PE 181 offers instruction and practice in intermediate running aerobics training. This course builds upon the application of the basic training components, heart rate zones, stride technique, and proper alignment learned in PE 180. Students learn the intermediate training techniques such as tempo runs and hills, design their own training program, and train to compete in 5K road races. Laboratory 3 hours. *Prerequisite:* PE 180. *Transfer Credit:* CSU, UC, USC. (*Motor Performance Family*)

**182
RUNNING AEROBICS III****1.0 Unit**

PE 182 offers instruction and practice in advanced running aerobics training. The main goal is to provide the student with continued advancement in running while competing in the 10K distance road race. The course emphasizes advanced training techniques such as variable intensity and durations, interval training, and anaerobic training. Laboratory 3 hours. *Prerequisite:* PE 181. Course Typically Offered: Fall. *Transfer Credit:* CSU, UC, USC. (*Motor Performance Family*)

**202
GOLF I****1.0 Unit**

PE 202 introduces students to the fundamentals of golf. Instruction and practice on the golf range and course include an overview of equipment, rules and etiquette, proper swing technique and mental aspects of game play. This course is conducted at an off-campus golf facility. Note: Each student must pay a golf course facilities fee and provide their own golf clubs. Laboratory 3 hours. *Prerequisite:* None. Course Typically Offered: Fall. *Transfer Credit:* CSU, UC, USC. (*Golf Family*)

**203
GOLF II****1.0 Unit**

PE 203 offers instruction and practice in intermediate golf. This course builds on the application of the fundamental knowledge and skills developed in PE 202. Students learn intermediate level golf techniques including analysis of the course, shot strategies and problem-solving skills. This course is conducted at an off-campus golf facility. Note: Each student must pay a golf course facilities fee and provide their own golf clubs. Laboratory 3 hours. *Prerequisite:* PE 202. Course Typically Offered: Fall. *Transfer Credit:* CSU, UC, USC. (*Golf Family*)

**204
GOLF III****1.0 Unit**

PE 204 offers instruction and practice in advanced golf. This course builds on the application of the intermediate knowledge and skills developed in PE 203. Students learn advanced level golf techniques including advanced skill development, strategies of game play, and mental preparation techniques. This course is conducted at an off-campus golf facility. Note: Each student must pay a golf course facilities fee and provide their own golf clubs. Laboratory 3 hours. *Prerequisite:* PE 203. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU, UC, USC. (*Golf Family*)

**210
FLAG FOOTBALL I****1.0 Unit**

PE 210 is instruction and practice in the fundamentals of flag football with a focus on the development of team play and competition. This course covers the fundamental motor skills of flag football and introduces the student to the rules of different organizations, proper etiquette, and team strategies for game play. Social skills, sportsmanship and teamwork are emphasized. Laboratory 3 hours. *Prerequisite:* None. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU, UC, USC. (*Soccer/Football Family*)

**211
FLAG FOOTBALL II****1.0 Unit**

PE 211 offers instruction and practice in intermediate flag football techniques and team play in a recreational environment. This course builds upon the basic skills, team play, and offensive and defensive fundamentals learned in PE 210. Rules, football etiquette, and team strategies are major components of this course. Laboratory 3 hours. *Prerequisite:* PE 210. *Transfer Credit:* CSU, UC, USC. (*Soccer/Football Family*)

212 FLAG FOOTBALL III

1.0 Unit

PE 212 offers instruction and practice in advanced flag football techniques and team play in a recreational environment. This course builds upon the application of skills, offensive and defensive strategies learned in PE 211. Rules, football etiquette, and team plays are major components of this course. Laboratory 3 hours. *Prerequisite:* PE 211. *Transfer Credit:* CSU, UC, USC. (Soccer/Football Family)

215 SELF DEFENSE FOR WOMEN I

1.0 Unit

PE 215 is designed to help women focus on principles and practical aspects of personal safety. The course covers methods and tactics of practical self defense, including alternatives for situational defense strategies. It provides rigorous conditioning exercises and develops skills in perception, analysis, escape, compromise, avoidance, blocking, throwing, and striking. Note: Students who have successfully completed PE 227 may not receive credit for this course. Laboratory 3 hours. *Prerequisite:* None. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU, UC, USC. (Martial Arts Family)

216 SELF DEFENSE FOR WOMEN II

1.0 Unit

PE 216 is designed to help women develop and master principles and practical aspects of personal safety. The course covers methods and tactics of practical self-defense, and builds on fundamental techniques taught in PE 215. It provides rigorous conditioning exercises and develops proficiency in skills in perception, analysis, escape, compromise, avoidance, blocking, throwing, and striking. Laboratory 3 hours. *Prerequisite:* PE 215. *Transfer Credit:* CSU, UC, USC. (Martial Arts Family)

217 BRAZILIAN JIU-JITSU I

1.0 Unit

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. Laboratory 3 hours. *Prerequisite:* None. *Transfer Credit:* CSU, UC, USC. (Martial Arts Family)

218 BRAZILIAN JIU-JITSU II

1.0 Unit

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. Laboratory 3 hours. *Prerequisite:* PE 217. *Transfer Credit:* CSU, UC, USC. (Martial Arts Family)

219 BRAZILIAN JIU-JITSU III

1.0 Unit

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. Laboratory 3 hours. *Prerequisite:* PE 218. *Transfer Credit:* CSU, UC, USC. (Martial Arts Family)

220 KICKBOXING I

1.0 Unit

PE 220 instructs students in the basics of kickboxing as a martial art, self-defense technique and exercise format to improve physical conditioning. Instruction focuses on achieving safe practice and proper form for fundamental stance, footwork, punches, kicks, knees and elbows, as well as simple combinations. This course utilizes bag-work for conditioning drills, and emphasizes injury prevention. Laboratory 3 hours. *Prerequisite:* None. *Transfer Credit:* CSU, UC, USC. (Martial Arts Family)

221 KICKBOXING II

1.0 Unit

PE 221 builds on the fundamental skills learned in Kickboxing I and introduces the student to intermediate techniques in kickboxing for self-defense, competition and exercise. Instruction focuses on adding power and placement to basic punches, kicks, knees and elbows, as well as adapting to an opponent's movements and evasive techniques. Physical conditioning for injury prevention and performance are emphasized. Students are introduced to focus pads and mitt-work, as well as safe sparring between training partners. Laboratory 3 hours. *Prerequisite:* PE 220. *Transfer Credit:* CSU, UC, USC. (Martial Arts Family)

238 SOCCER I

1.0 Unit

PE 238 teaches the beginning concepts of soccer in a recreational environment. Instruction includes basic skills of soccer: passing, receiving, trapping, dribbling, and control techniques. Students learn the fundamental history, rules, etiquette, and safe play pertaining to soccer. Laboratory 3 hours. *Prerequisite:* None. *Transfer Credit:* CSU, UC, USC. (Soccer/Football Family)

239 SOCCER II

1.0 Unit

PE 239 offers instruction and practice in intermediate soccer techniques and team concepts in a recreational environment. This course builds upon the application of basic skills, team play, and offensive and defensive fundamentals learned in PE 238. Rules, soccer etiquette, and team strategies are major components of this course. Laboratory 3 hours. *Prerequisite:* PE 238. *Transfer Credit:* CSU, UC, USC. (Soccer/Football Family)

240 SOCCER III

1.0 Unit

PE 240 teaches advanced concepts of soccer in a recreational environment. The main goal is to provide the student with continued advancement in soccer while incorporating a better understanding of teamwork and communication. The course emphasizes principles relating to advanced individual skills, theory, tactics, rules, and strategy. Team competition is a major component of the course. Laboratory 3 hours. *Prerequisite:* PE 239. *Transfer Credit:* CSU, UC. (Soccer/Football Family)

256 PICKLEBALL I

1.0 Unit

PE 256 covers the beginning concepts of pickleball. Emphasis is placed on fundamental skills including rules, terminology, and court etiquette. Instruction is given on basic strokes: forehand, backhand, volley and serve. Laboratory 3 hours. *Prerequisite:* None. *Transfer Credit:* CSU, UC, USC. (Racquet Family)

257 PICKLEBALL II

1.0 Unit

PE 257 builds on fundamental knowledge of pickleball rules, etiquette, basic skills, strokes, footwork, scoring and strategy. Emphasis is on intermediate skills development including: the dink, dropshot, lob, overhead smash and shot placement. Laboratory 3 hours. *Prerequisite:* PE 256. *Transfer Credit:* CSU, UC, USC. (Racquet Family)

**258
PICKLEBALL III**
1.0 Unit

PE 258 offers instruction and practice in advanced pickleball techniques, strategy and conditioning. Emphasis is on mastering basic and intermediate techniques and integrating them into game strategies and match play. Laboratory 3 hours. *Prerequisite:* PE 257. *Transfer Credit:* CSU, UC, USC. (*Racquet Family*)

**261
TENNIS I**
1.0 Unit

PE 261 covers the beginning concepts of tennis, including the rules, terminology, and court etiquette. Students will practice fundamental groundstrokes including forehand and backhand, as well as developing skills for volley and serve. Laboratory 3 hours. *Prerequisite:* None. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU, UC, USC. (*Racquet Family*)

**262
TENNIS II**
1.0 Unit

PE 262 builds on the student's fundamental knowledge of tennis rules, etiquette, basic skills, strokes, footwork, scoring and strategy. Students continue developing skills including shot placement in game situations, the lob and overhead smash, and the use of spins in fundamental strokes. Laboratory 3 hours. *Prerequisite:* PE 261. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU, UC, USC. (*Racquet Family*)

**263
TENNIS III**
1.0 Unit

PE 263 offers students instruction and practice in advanced tennis techniques, strategy, conditioning, and preparation for tournament play of singles and/or doubles tennis. Students identify their strengths and develop strategies that fit into their own style of play, and learn counter-strategies for an opponent's style. Laboratory 3 hours. *Prerequisite:* PE 262. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU, UC, USC. (*Racquet Family*)

**274
VOLLEYBALL I**
1.0 Unit

PE 274 teaches the beginning concepts of volleyball in a recreational environment. Instruction includes six basic skills of volleyball: passing, setting, hitting, serving, blocking and individual defense. Students learn the fundamental history, rules, etiquette, and safe play pertaining to volleyball. Laboratory 3 hours. *Prerequisite:* None. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU, UC, USC. (*Volleyball Family*)

**275
VOLLEYBALL II**
1.0 Unit

PE 275 offers instruction and practice in intermediate volleyball techniques and team concepts in a recreational environment. This course builds upon the application of basic skills, team play, and offensive and defensive fundamentals learned in PE 274. Rules, volleyball etiquette, and team strategies are major components of this course. Laboratory 3 hours. *Prerequisite:* PE 274. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU, UC, USC. (*Volleyball Family*)

**276
VOLLEYBALL III**
1.0 Unit

PE 276 teaches advanced concepts of volleyball in a recreational environment. The main goal is to provide the student with continued advancement in volleyball while incorporating a better understating of teamwork and communication. The course emphasizes principles relating to advanced individual skills, theory, tactics, rules, and strategy. Team competition is a major component of this course. Laboratory 3 hours. *Prerequisite:* PE 275. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU, UC, USC. (*Volleyball Family*)

**295
WALKING FOR HEALTH AND FITNESS I**
1.0 Unit

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. Laboratory 3 hours. *Prerequisite:* None. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU, UC, USC. (*Motor Performance Family*)

**296
WALKING FOR HEALTH AND FITNESS II**
1.0 Unit

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. Laboratory 3 hours. *Prerequisite:* PE 295. *Transfer Credit:* CSU, UC, USC. (*Motor Performance Family*)

**297
WALKING FOR HEALTH AND FITNESS III**
1.0 Unit

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. Laboratory 3 hours. *Prerequisite:* PE 296. *Transfer Credit:* CSU, UC, USC. (*Motor Performance Family*)

PHYSICS

**49
PHYSICS INDEPENDENT STUDY**
1.0 to 3.0 Units

PHY 49 provides independent exploration to familiarize students with research techniques, career options, and special academic interests in physics. 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. Laboratory 3-9 hours. *Corequisite:* Concurrent registration in 6 or more units. *Transfer Credit:* CSU

50
PHYSICS INTERNSHIP
 1.0 to 3.0 Units

PHY 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 physics 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 physics. 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. Laboratory 3-9 hours. *Prerequisite* or *Corequisite*: Enrollment in appropriate discipline-specific theory or lab course at GCC. *Recommended Preparation*: ENGL C1000, ESL 151, or LIB 100. *Transfer Credit*: CSU

101
PHYSICS FOR SCIENTISTS AND ENGINEERS: A
 5.0 Units

PHY 101 is the first course in a three-semester sequence intended for students majoring in engineering and the physical sciences. The course covers topics in classical mechanics, including motion, kinematics, forces, work, energy, momentum, angular motion, static equilibrium, and Newtonian gravity. Vectors and derivatives are used extensively throughout the course. Computers and numerical techniques are used extensively in the laboratory component of the course. Lecture 4 hours/Laboratory 3 hours. *Prerequisite*: MATH 103E and MATH 104E (MATH 104E may be taken concurrently). *Recommended Preparation*: High school physics. Course Typically Offered: Fall/Spring. *Transfer Credit*: CSU, UC, USC. (C-ID PHYS 205)

101H
HONORS PHYSICS FOR SCIENTISTS AND ENGINEERS: A
 5.0 Units

PHY 101H is the first course in a three-semester sequence intended for students majoring in engineering and the physical sciences. The course covers topics in classical mechanics, including motion, kinematics, forces, work, energy, momentum, angular motion, static equilibrium, and Newtonian gravity. Vectors and derivatives are used extensively throughout the course. Computers and numerical techniques are used extensively in the laboratory component of the course. The honors course will be enhanced in one or more of the following ways: 1. Readings from Principia, Newton's original formulation of mechanics; 2. A written paper and an oral presentation on topics in contemporary mechanics such as gyroscopic stability, G.P.S. systems, and celestial mechanics; 3. Advanced homework problem sets. Lecture 4 hours/Laboratory 3 hours. *Prerequisite*: MATH 103E and MATH 104E (MATH 104E may be taken concurrently). *Recommended Preparation*: High school physics. *Transfer Credit*: CSU, UC, USC. (C-ID PHYS 205)

102
PHYSICS FOR SCIENTISTS AND ENGINEERS: B
 5.0 Units

PHY 102 is the second course in a three-semester sequence intended for students majoring in engineering and the physical sciences. The course covers topics in electricity and magnetism, including fields, potentials, Maxwell's equations, and electromagnetic waves. Applications, such as circuits and electric motors, will also be covered. Computers and numerical techniques are used extensively in the laboratory component of the course. Lecture 4 hours/Laboratory 3 hours. *Prerequisite*: PHY 101 and MATH 104E. Course Typically Offered: Fall. *Transfer Credit*: CSU, UC, USC. (C-ID PHYS 210)

103
PHYSICS FOR SCIENTISTS AND ENGINEERS: C
 5.0 Units

PHY 103 is the third course in a three-semester sequence intended for students majoring in engineering and the physical sciences. The course covers topics in theory of waves, acoustics, optics, thermodynamics, and modern physics. Computers and numerical techniques are used extensively in the laboratory component of the course. Note: PHY 103 may be taken prior to PHY 102. Lecture 4 hours/Laboratory 3 hours. *Prerequisite*: PHY 101 or equivalent, and MATH 104E. Course Typically Offered: Spring. *Transfer Credit*: CSU, UC, USC. (C-ID PHYS 215)

105
ALGEBRA-BASED PHYSICS: A
 4.0 Units

PHY 105 is a general course that focuses on properties of matter, mechanics, heat, wave motion, and sound. It includes lectures, demonstrations, problems, and laboratory work. Lecture 3 hours/Laboratory 3 hours. *Prerequisite*: MATH 102 or 110. Course Typically Offered: Fall/Spring. *Transfer Credit*: CSU, UC, USC. (C-ID PHYS 105)

106
ALGEBRA-BASED PHYSICS: B
 4.0 Units

PHY 106 is a general course that focuses on the study of light, electricity, magnetism, and modern physics. It includes lectures, demonstrations, problems, and laboratory work. Lecture 3 hours/Laboratory 3 hours. *Prerequisite*: PHY 105. Course Typically Offered: Spring. *Transfer Credit*: CSU, UC, USC. (PHY 105 & 106 C-ID PHYS 100S)

110
INTRODUCTION TO PHYSICS
 3.0 Units

PHY 110 provides an overview of important phenomena in physics using classroom demonstrations and lectures in mechanics, heat, sound, light, electricity and magnetism, and modern physics. Note: This course may not be taken for credit by students who have completed PHY 101 or 105. Lecture 3 hours. *Prerequisite*: None. Course Typically Offered: Winter/Spring/Summer/Fall. *Transfer Credit*: CSU, UC, USC

POLITICAL SCIENCE

Political Science (POL S) prefix has changed to Political Science (POLS) in the catalog.

48
POLITICAL SCIENCE
INTERNATIONAL FIELD STUDIES
 1.0 - 3.0 Units

POLS 48 provides college credit to study political 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

49
POLITICAL SCIENCE
INDEPENDENT STUDY
 1.0 - 3.0 Units

POLS 49 provides independent exploration to familiarize students with research techniques, career options, and special academic interests in political science. 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. Laboratory 3-9 hours. **Corequisite:** Concurrent registration in 6 or more units. **Transfer Credit:** CSU

50
POLITICAL SCIENCE INTERNSHIP
 1.0 - 3.0 Units

POLS 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 political 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 political 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. Laboratory 3-9 hours. Laboratory 3-9 hours. **Recommended Preparation:** ENGL C1000. **Transfer Credit:** CSU

C1000
AMERICAN GOVERNMENT AND
POLITICS
 3.0 Units

(Previously POL S 101)

This course is an introduction to government and politics in the United States and California. Students examine the constitutions, structure, and operation of governing institutions, civil liberties and civil rights, political behaviors, political issues, and public policy using political science theory and methodology. Note: This course was previously POL S 101. Lecture 3 hours. **Recommended Preparation:** ENGL C1000. **Transfer Credit:** CSU, UC, USC. (C-ID POLS 110)

101H
HONORS INTRODUCTION TO
UNITED STATES AND CALIFORNIA
GOVERNMENT AND POLITICS
 3.0 Units

POLS 101H is an introduction to the principles, institutions, policies, and politics of government in the United States and California. 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 are focused on critical thinking and the analysis of important topics related to political science. Lecture 3 hours. **Recommended Preparation:** ENGL C1000. **Transfer Credit:** CSU

102
MODERN COMPARATIVE
GOVERNMENTS
 3.0 Units

POLS 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. Lecture 3 hours. **Prerequisite:** POLS C1000 and POLS 103. **Transfer Credit:** CSU, UC, USC. (C-ID POLS 130)

103
INTRODUCTION TO WORLD
POLITICS
 3.0 Units

POLS 103 develops an intellectual framework which will order students' thoughts on world politics and enable them to analyze and evaluate various actors, institutions, interactions, and processes as they relate to international power and the pursuit of peace. **Prerequisite:** POLS C1000. **Transfer Credit:** CSU, UC. (C-ID POLS 140)

104
INTRODUCTION TO POLITICAL
THEORY
 3.0 Units

POLS 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. Lecture 3 hours. **Prerequisite:** POLS C1000 and POLS 102. **Transfer Credit:** CSU, UC, USC. (C-ID POLS 120)

108
POLITICS AND PRACTICE OF THE
UNITED NATIONS
 3.0 Units

POLS 108 introduces students to international organizations through the study of the origin, structure and function of the United Nations. The course includes discussion of pressing international problems, established international law, and the protocol and procedure of diplomacy. Students learn the applied skills used by actual diplomats that represent their countries at the United Nations through class simulations and at a Model United Nations conference. Lecture 3 hours. **Prerequisite:** ENGL C1000. **Transfer Credit:** CSU, UC.

111
THE MODERN MIDDLE EAST:
ITS POLITICAL AND ECONOMIC
IMPACT
 3.0 Units

POLS 111 is a survey of the historical background and current politics of the Middle East. Students explore an introduction to the land, peoples, cultures, and religions; overview of the modern history of the region, with an emphasis on the Eastern Question; emergence of the modern nation-states following World War I; internal developments in major countries up to the present; Westernization and Islamic resurgence; regional conflicts and international connections; the economic and political impact of oil; European and Russian involvement; Middle Eastern lobbies in the United States; and U.S. foreign policy toward the Middle East. Lecture 3 hours. **Recommended Preparation:** ENGL C1000. **Transfer Credit:** CSU, UC.

112
MODEL UNITED NATIONS
LABORATORY
 3.0 Units

POLS 112 introduces students to a selected group of international issues for which they will seek solutions through research and participation in simulations. The course will consist of instruction and direction for intercollegiate Model United Nations Conferences and Competitions which incorporate international current event debates, parliamentary debates, and conflict resolution exercises. Note: This class may be taken four times; a maximum of six units may be earned. Lecture 1 hour/Laboratory 1.5 hours. **Prerequisite:** POLS 108 (POLS 108 may be taken concurrently). **Transfer Credit:** CSU.

114 INTRODUCTION TO THE AMERICAN LEGAL TRADITION

3.0 Units

POLS 114 is an introduction to law in the United States. It addresses key historical developments and philosophical debates that shape how conflict is resolved. Conflicts in the areas of civil liberties and civil rights, as well as contemporary legal issues, are addressed. This course satisfies a requirement for the Law Pathway program. Lecture 3 hours. **Recommended Preparation:** POLS C1000 and ENGL C1000. **Transfer Credit:** CSU, UC.

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

3.0 Units

POLS 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. Lecture 3 hours. **Recommended Preparation:** ENGL C1000. **Transfer Credit:** CSU, UC.

170 INTRODUCTION TO GLOBAL STUDIES

3.0 Units

POLS 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. Lecture 3 hours. **Recommended Preparation:** ENGL C1000. **Transfer Credit:** CSU, UC.

171 GLOBAL ISSUES

3.0 Units

POLS 171 introduces students to the origins, current status, and future trends of major transnational issues confronting the global community. Topics can include population trends, economic development and inequality, basic human needs (for food, water, health care), human rights, international conflict and security concerns, and environmental problems. The course also focuses on global governance, including the study of collective global responsibilities. Note: This course is cross-listed with GEOG 171 and SOC 171. This course may not be taken for credit by students who have completed GEOG 171 or SOC 171. Lecture 3 hours. **Recommended Preparation:** ENGL C1000. **Transfer Credit:** CSU, UC.

PSYCHOLOGY

Psychology (PSYCH) prefix has changed to Psychology (PSYC) in the catalog.

48 PSYCHOLOGY INTERNATIONAL FIELD STUDIES

1.0 - 3.0 Units

PSYC 48 provides college credit to study psychology 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

49 PSYCHOLOGY INDEPENDENT STUDY

1.0 - 3.0 Units

PSYC 49 provides independent exploration to familiarize students with research techniques, career options, and special academic interests in psychology. 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. Laboratory 3-9 hours. **Corequisite:** Concurrent registration in 6 or more units. **Transfer Credit:** CSU

50 PSYCHOLOGY INTERNSHIP

1.0 - 3.0 Units

PSYC 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 psychology 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 psychology. 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. Laboratory 3-9 hours. **Transfer Credit:** CSU

C1000 INTRODUCTION TO PSYCHOLOGY

3.0 Units

(Previously PSYCH 101)

This course is an introduction to psychology, which is the study of the mind and behavior. Students focus on theories and concepts of biological, cognitive, developmental, environmental, social, and cultural influences; their applications; and their research foundations. Note: This course was previously PSYCH 101. Lecture 3 hours. **Recommended Preparation:** ENGL C1000. **Transfer Credit:** CSU, UC, USC. (C-ID PSY 110)

**C1000H
INTRODUCTION TO PSYCHOLOGY
- HONORS****3.0 Units***(Previously PSYCH 101H)*

This course is an introduction to psychology, which is the study of the mind and behavior. Students focus on theories and concepts of biological, cognitive, developmental, environmental, social, and cultural influences; their applications; and their research foundations. This is an honors course. 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 are focused on critical thinking and the analysis of important topics related to psychology. Note: This course was previously PSYCH 101H. Lecture 3 hours. **Recommended Preparation:** ENGL C1000. **Transfer Credit:** CSU, UC, USC. (C-ID PSY 110)

**103
PHYSIOLOGICAL PSYCHOLOGY****3.0 Units**

PSYC 103 introduces students to the scientific study of the biological bases of behavior and its fundamental role in the neurosciences. Students will explore physiological, hormonal, and neurochemical mechanisms and brain-behavior relationships underlying the psychological phenomena of sensation, perception, regulatory processes, emotion, learning, memory, and psychological disorders. The course includes historical and scientific contributions and current research principles for studying brain-behavior relationships and mental processes. Ethical standards for human and animal research are discussed in the context of experimental research. Lecture 3 hours. **Prerequisite:** PSYC C1000. **Transfer Credit:** CSU, UC, USC. (C-ID PSY 150)

**104
SOCIAL PSYCHOLOGY****3.0 Units**

PSYC 104 explores individual human behavior in relation to the social environment. Students examine the power of the situation, other individuals, and the social group. Emphasized topics include: aggression, prejudice and stereotypes, interpersonal attraction, attitudes and attitude change, conformity, group phenomena, gender roles, cultural norms, person perception, and social cognition. Note: This course may not be taken for credit by students who have completed SOC 114. Lecture 3 hours. **Prerequisite:** PSYC C1000. **Transfer Credit:** CSU, UC, USC. (C-ID PSY 170)

**104H
HONORS SOCIAL PSYCHOLOGY****3.0 Units**

PSYC 104H considers individual human behavior in relation to the social environment. The power of the situation, other individuals, and the social group are examined. Emphasized topics include: aggression, prejudice and stereotypes, interpersonal attraction, attitudes and attitude change, conformity, group phenomena, gender roles, cultural norms, person perception, and social cognition. 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 and theoretical interpretation of research, and the application of social psychology concepts. Note: This course may not be taken for credit by students who have completed SOC 114. Lecture 3 hours. **Prerequisite:** PSYC C1000. **Transfer Credit:** CSU, UC, USC. (C-ID PSY 170)

**105
HUMAN SEXUALITY****3.0 Units**

PSYC 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. Lecture 3 hours. **Recommended Preparation:** ENGL C1000. **Transfer Credit:** CSU, UC. (C-ID PSY 130)

**106
DEVELOPMENTAL PSYCHOLOGY****3.0 Units**

PSYC 106 provides an overview, from a psychological perspective, of human development from conception through death, including biological, cultural, and environmental influences. Students examine theories and research in physical, cognitive, personality, and social development, as well as attention to developmental problems. Lecture 3 hours. **Recommended Preparation:** ENGL C1000, ENGL C1000E, or ENGL C1000H, or equivalent. Course Typically Offered: Winter/Spring/Summer/Fall. **Transfer Credit:** CSU, UC, USC. (C-ID PSY 180)

**110
THE PSYCHOLOGY OF PERSONAL
AND SOCIAL ADJUSTMENT****3.0 Units**

PSYC 110 teaches students how to apply psychology in everyday life. The course surveys psychological perspectives and theoretical foundations and how they are used across a person's life. It emphasizes the influence of culture, gender, ethnicity, historical cohort, and socio-economic status. A broad understanding of how scientists, clinicians, and practitioners study and apply psychology is emphasized. Lecture 3 hours. **Recommended Preparation:** ENGL C1000, ENGL C1000E, or ENGL C1000H, or equivalent. **Transfer Credit:** CSU. (C-ID PSY 115)

**113
PSYCHOLOGY OF WOMEN****3.0 Units**

PSYC 113 explores the psychological factors that contribute to the present emotional, sexual, and economic status of the American woman. In this course, students will better understand the experiences of women through the examination of family structure, social structure, female sexuality, and self-esteem. Lecture 3 hours. **Recommended Preparation:** ENGL C1000, ENGL C1000E, or ENGL C1000H, or equivalent. **Transfer Credit:** CSU UC.

**115
ABNORMAL PSYCHOLOGY****3.0 Units**

PSYC 115 introduces the scientific study of psychopathology and atypical behaviors, broadly defined. Students investigate abnormal behavior from a variety of perspectives including biological, psychological, and sociocultural approaches. An integrative survey of theory and research in abnormal behavior, and intervention and prevention strategies for psychological disorders are also introduced. Lecture 3 hours. **Prerequisite:** PSYC C1000. **Transfer Credit:** CSU, UC, USC. (C-ID PSY 120)

**150
EDUCATIONAL PSYCHOLOGY****3.0 Units**

PSYC 150 is designed to provide students with a fundamental understanding of the theoretical foundations of learning theories and their application in school settings. The course will focus on the evaluation of these applications as each contributed to the development of American Education. It will also provide a basis for understanding both failed and successful efforts toward remediations and reform, using psychology as a means of analysis. Lecture 3 hours. **Recommended Preparation:** PSY C1000 or SOCS 101. **Transfer Credit:** CSU, UC, USC.

**170
SPORTS PSYCHOLOGY**
3.0 Units

PSYC 170 is designed for students who would like to develop a proficiency in using psychological knowledge and skills to improve athletic performance and promote the well-being of athletes. Topics covered include developmental psychology, identity theory, motivation, emotion, stress, and arousal. The course also focuses on the communication dynamics needed to establish healthy relationships. Both individual and team sports are reviewed in order to apply class concepts. Lecture 3 hours. *Prerequisite:* ENGL 100 or ESL 151. *Transfer Credit:* CSU, UC, USC

**200
RESEARCH METHODS FOR
PSYCHOLOGY**
4.0 Units

PSYC 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. Lecture 3 hours/Laboratory 1.5 hours. *Prerequisite:* PSYC C1000 and STAT C1000. (C-ID PSYC 200, PSY 205B)

**203
PHYSIOLOGICAL PSYCHOLOGY
LAB**
1 Unit

PSYC 203 is an introductory science laboratory course that surveys structure and function of the nervous system, neurological correlates of behavior, psychophysiological research methodology, and scientific research investigation. Students explore neuroanatomy, behavioral neuroscience, consciousness, emotion, stress, sensation and perception of vision, audition, touch, olfaction, and gustation. Laboratory 3 hours. *Prerequisite:* PSYC 103 (PSYC 103 may be taken concurrently). *Transfer Credit:* CSU, UC, USC

REAL ESTATE

**101
REAL ESTATE PRINCIPLES**
3.0 Units

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. Lecture 3 hours. *Prerequisite:* None. Course Typically Offered: Winter/Spring/Summer/Fall. *Transfer Credit:* CSU

**105
REAL ESTATE PRE-LICENSE**
3.0 Units

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. Lecture 3 hours. *Prerequisite:* None. Course Typically Offered: Fall/Spring.

**120
REAL ESTATE PRACTICE**
3.0 Units

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. Lecture 3 hours. *Prerequisite:* None. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU

**130
REAL ESTATE ECONOMICS**
3.0 Units

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. Lecture 3 hours. *Prerequisite:* None. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU

**140
LEGAL ASPECTS OF REAL
ESTATE**
3.0 Units

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. Lecture 3 hours. *Recommended Preparation:* RE 101. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU

**150
REAL ESTATE FINANCE**
3.0 Units

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. Lecture 3 hours. *Recommended Preparation:* RE 162 or RE 163. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU

**161
INCOME APPRAISAL REPORT
WRITING**
3.0 Units

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. Lecture 3 hours. *Prerequisite:* None. Course Typically Offered: Spring (Every Other Year). *Transfer Credit:* CSU

**162
BASIC APPRAISAL PRINCIPLES
AND PROCEDURES****3.5 Units**

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. Lecture 3.5 hours. *Prerequisite:* None. Course Typically Offered: Spring (Every Other Year). *Transfer Credit:* CSU

**163
BASIC RESIDENTIAL REAL
ESTATE APPRAISAL****3.5 Units**

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. Lecture 3.5 hours. *Prerequisite:* None. Course Typically Offered: Fall (Every Other Year). *Transfer Credit:* CSU

**164
RESIDENTIAL APPLICATIONS AND
RESIDENTIAL REPORT WRITING****3.0 Units**

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. Lecture 3 hours. *Prerequisite:* None. Course Typically Offered: Fall (Every Other Year). *Transfer Credit:* CSU

**165
UNIFORM STANDARDS OF
PROFESSIONAL APPRAISAL
PRACTICE (USPAP)****1.0 Unit**

RE 165 meets the requirements of the Appraisal Qualifications Board (AQB) of the Appraisal Foundation for state licensing and certification. This course includes the national examination as required by the AQB. Completion of this course and successful completion of the three-hour national examination (the course final examination) are required by the California Office of Real Estate Appraisers (OREA) for initial trainee licensure. Note: Students with disabilities who require special accommodations must contact the GCC Business Division (818) 240-1000, X5484 before registering for information to obtain prior written approval from the AQB. Note: This course is Pass/No Pass only. Lecture 1 hour. *Prerequisite:* None. Course Typically Offered: Fall/Spring.

**180
MORTGAGE LOAN BROKERING****3.0 Units**

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. Lecture 3 hours. *Recommended Preparation:* RE 101 or equivalent. Course Typically Offered: Fall/Winter. *Transfer Credit:* CSU

**190
PROPERTY MANAGEMENT****3.0 Units**

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. Lecture 3 hours. *Recommended Preparation:* RE 101 or equivalent. Course Typically Offered: Fall/Spring. *Transfer Credit:* CSU

**195
COMMON INTEREST
DEVELOPMENTS (HOMEOWNERS
ASSOCIATIONS MANAGEMENT)****3.0 Units**

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. Lecture 3 hours. *Recommended Preparation:* RE 101. Course Typically Offered: Fall (Every Other Year). *Transfer Credit:* CSU

**250
ESCROW I****3.0 Units**

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. Lecture 3 hours. *Recommended Preparation:* RE 101 or equivalent. *Transfer Credit:* CSU

SOCIAL SCIENCE

**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

50
SOCIAL SCIENCE INTERNSHIP
 1.0 to 3.0 Units

SOC S 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 social 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 social 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. Laboratory 3-9 hours. **Recommended Preparation:** ENGL C1000, ENGL C1000E, or ENGL C1000H, or equivalent. **Transfer Credit:** CSU

101
URBAN EDUCATION IN AMERICA
 3.0 Units

SOC S 101 is designed to provide students with a fundamental understanding of the American system of education, especially in urban multi-cultural schools. It deals with the psychology, sociology, politics and philosophy of urban education. The course covers current conditions of American schools and selected challenges of California's diverse urban schools. The focus is on the issues facing teachers and students working in diverse, multiracial, multi-ethnic urban settings and on the efforts being made to respond to the needs of teachers and students. Lecture 3 hours. **Recommended Preparation:** ENGL C1000, ENGL C1000E, or ENGL C1000H, or equivalent. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU, UC, USC

105
OUR DIGITAL WORLD: THE
INTERNET, SOCIAL MEDIA, AND
SOCIETY
 3.0 Units

SOC S 105 introduces students to the landscape of emerging media within the information society. Using an interdisciplinary approach, students develop a critical understanding of the psychology, history, politics, and economics of new information technologies and the sociocultural shifts from which they evolved. By focusing on cutting edge content and events, students study and apply theoretical concepts to real life issues, such as the impact of technology on society, the relationship between digital devices and identity, privacy and surveillance, intellectual property, hacktivism, cybercrime, and more. Through the use of multimedia materials, students explore the complex and interconnected relationship between emerging media, technology, and society. Lecture 3 hours. **Recommended Preparation:** ENGL C1000, ENGL C1000E, or ENGL C1000H, or equivalent. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU, UC, USC

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. (C-ID PH 102)

110
AMERICAN POP CULTURE
 3.0 Units

SOC S 110 is an interdisciplinary course that examines how popular culture impacts everyday American life. Various forms of popular culture including music, film television, advertising, sports, fashion, design, toys, magazines, comic books and cyber culture are analyzed. Students assess how American popular culture reveals historical forces at work that influence the lives of people living in the United States. Via a contextualized discussion of American popular culture, this course introduces students to other academic fields such as History, Ethnic Studies, Political Science and Economics. Lecture 3 hours. **Recommended Preparation:** ENGL C1000, ENGL C1000E, or ENGL C1000H, or equivalent. **Transfer Credit:** CSU, UC, USC

120
RESPONSES TO POVERTY
 3.0 Units

SOC S 120 explores the causes and immediate effects of poverty using a cultural, economic, political, and social context. Students will analyze theories and solutions to address the issues of poverty. The course will focus on the United States but will also cover global issues. Lecture 3 hours. **Recommended Preparation:** ENGL C1000, ENGL C1000E, or ENGL C1000H, or equivalent. **Transfer Credit:** CSU, UC, USC

127
LOS ANGELES COUNTY: HISTORY,
POLITICS, AND CULTURE
 3.0 Units

SOC S 127 examines one of the most culturally diverse places on Earth - Los Angeles County. The region is viewed in three contexts: its history, its portrayals in literature, and the issues it faces today. The historic underpinnings of the region are explored from the Gabrielino people of the Spanish, Mexican, and United States eras. This course includes the stories of ethnic and racial groups, including some not often associated with the area's history. The last segment of the course examines contemporary issues, opportunities, and problems facing Los Angeles County. Lecture 3 hours. **Recommended Preparation:** ENGL 100 or ESL 151. **Transfer Credit:** CSU, UC, USC

**130
INTRODUCTION TO LGBTQ
STUDIES****3.0 Units**

SOC S 130 is an interdisciplinary course that introduces the field of lesbian, gay, bisexual, transgender, and queer studies (LGBTQ studies). This course traces the history of LGBTQ identities, communities, organizations, and resistance movements in the United States from the colonial era to the contemporary moment, with particular emphasis since World War II. Students interrogate the political, economic, and cultural inequalities related to sexuality and gender identity as well as examine the historical emergence of LGBTQ as an academic discipline. Through an interdisciplinary lens, this course further explores the diversity of sexuality and gender in relation to the intersections of race, ethnicity, and class. Lecture 3 hours. **Recommended Preparation:** ENGL 100 or ESL 141. **Transfer Credit:** CSU, UC, USC. (C-ID SJS 130)

**145
INTRODUCTION TO COMMUNITY
VOLUNTEERISM****2.0 Units**

SOC S 145 is designed to give students an academic background in community service volunteerism and service learning as well as to allow them an opportunity to do community volunteer work for credit. The course will include one lecture hour per week and three lab hours of community service work per week. The course emphasizes social and psychological factors associated with volunteer service in America. It also uses an interdisciplinary lens to examine the nature of possible solutions to problems within the community. The course will include one lecture hour per week and three lab hours of volunteer work per week. Lecture 1 hour/ Laboratory 3 hours. **Recommended Preparation:** ENGL C1000, ENGL C1000E, or ENGL C1000H, or equivalent. **Transfer Credit:** CSU

SOCIOLOGY

**48
SOCIOLOGY INTERNATIONAL
FIELD STUDIES****1.0 to 3.0 Units**

SOC 48 provides college credit to study sociology 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. **Corequisite:** Concurrent registration in 6 or more units or equivalent. **Transfer Credit:** CSU

**49
SOCIOLOGY INDEPENDENT
STUDY****1.0 to 3.0 Units**

SOC 49 provides independent exploration to familiarize students with research techniques, career options, and special academic interests in sociology. 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. Laboratory 3-9 hours. **Corequisite:** Concurrent registration in 6 or more units. **Transfer Credit:** CSU

**50
SOCIOLOGY INTERNSHIP****1.0 to 3.0 Units**

SOC 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 sociology 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 sociology. 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. Laboratory 3-9 hours. **Recommended Preparation:** ENGL C1000, ENGL C1000E, or ENGL C1000H, or equivalent. **Transfer Credit:** CSU

**101
INTRODUCTION TO SOCIOLOGY****3.0 Units**

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. Lecture 3 hours. **Recommended Preparation:** ENGL C1000, ENGL C1000E, or ENGL C1000H, or equivalent. Course Typically Offered: Winter/Spring/Summer/Fall. **Transfer Credit:** CSU, UC, USC. (C-ID SOCI 110)

**101H
HONORS INTRODUCTION TO
SOCIOLOGY****3.0 Units**

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. Lecture 3 hours. **Recommended Preparation:** ENGL C1000, ENGL C1000E, or ENGL C1000H, or equivalent. **Transfer Credit:** CSU, UC, USC. (C-ID SOCI 110)

**102
SOCIAL CRISES OF TODAY****3.0 Units**

SOC 102 covers the identification and analysis of contemporary social problems, including the role of power and ideology in the definition of social problems. Students explore the causes and consequences of social problems, evaluate proposed solutions, and discuss methods of intervention. Lecture 3 hours. **Recommended Preparation:** ENGL C1000, ENGL C1000E, or ENGL C1000H, or equivalent. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU, UC, USC. (C-ID SOCI 115)

**103
INTRODUCTION TO DEVIANCE
AND CRIMINOLOGY****3.0 Units**

SOC 103 provides a sociological analysis of crime, criminal behavior, and the criminal justice system. The course explores the history and social construction of crime and criminality and examines the definition of crime and its violations as well as the laws and methods used to control criminal behavior. Moreover, there is discussion of the measurement of crime and basic theoretical explanations of criminal behavior. Lecture 3 hours. **Recommended Preparation:** ENGL 100 or ESL 141. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU, UC, USC. (C-ID SOCI 160)

104 SOCIOLOGY OF SEX AND GENDER

3.0 Units

SOC 104 is a survey course that provides a sociological analysis of the social construction of masculinity and femininity historically and cross-culturally. Students will examine the debates on sex and gender. The impact of economic and political change on gender expectations and practices will also be explored. The course focuses on macro-analyses of how institutions shape gender and micro-analyses of how individuals are socialized and how they do" and practice gender. Lecture 3 hours. **Recommended Preparation:** ENGL C1000, ENGL C1000E or ENGL C1000H or equivalent. Course Typically Offered: Spring. **Transfer Credit:** CSU, UC, USC. (C-ID SOCI 140)

105 INTRODUCTION TO GERONTOLOGY

3.0 Units

SOC 105 is an introduction to the study of social gerontology and aging. Using a multi-disciplinary 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. Lecture 3 hours. **Recommended Preparation:** ENGL C1000, ENGL C1000E, or ENGL C1000H, or equivalent. Course Typically Offered: Fall. **Transfer Credit:** CSU, UC, USC

108 MEN AND MASCULINITIES

3.0 Units

SOC 108 introduces students to the field of masculinity by examining the socialization and the general experience of boys and men from a sociological perspective. It explores the social construction of masculinity in sports, family, work, and other social relationships to show how it affects people, institutions, and society. It studies the connections between masculinity, gender, and violence, as well as how masculinity intersects with race and ethnicity, class, occupation, physical ability, and sexuality. The course analyzes hegemonic masculinity and its impact on our lives. Finally, the course evaluates the prospects for social change in gendered roles by examining the structural conditions that produce toxic masculinity. Although its emphasis is on western masculinities, the course also explores transnational and cross-cultural perspectives on these questions. Lecture 3 hours. **Recommended Preparation:** ENGL C1000, ENGL C1000E, or ENGL C1000H, or equivalent. **Transfer Credit:** CSU, UC, USC

114 SOCIAL PSYCHOLOGY

3.0 Units

SOC 114 considers individual human behavior in relation to the social environment. The power of the situation, other individuals, and the social group are examined. Emphasized topics include: aggression, prejudice and stereotypes, interpersonal attraction, attitudes and attitude change, conformity, group phenomena, gender roles, cultural norms, person perception, and social cognition. Note: This course may not be taken for credit by students who have completed PSYCH 104. Lecture 3 hours. **Prerequisite:** PSYC C1000. **Transfer Credit:** CSU, UC, USC. (C-ID PSYCH 170)

131 MARRIAGE AND INTIMATE RELATIONSHIPS

3.0 Units

SOC 131 provides a sociological analysis of the family, including historical and recent changes, present nature and the socio-cultural and economic forces shaping these changes. Major topics will include single adulthood vs. married adulthood, the nature of historical and contemporary marriages, marital compatibility and conflict, marital adjustment, family dynamic interactions, including kinship roles, children vs. childless marriage, child-rearing techniques, dissolution and speculations concerning the future of the family. Note: This course may not be taken for credit by students who have completed PSYCH 131. Lecture 3 hours. **Recommended Preparation:** ENGL C1000, ENGL C1000E, or ENGL C1000H, or equivalent. **Transfer Credit:** CSU, UC, USC. (C-ID SOCI 130)

140 INTRODUCTION TO SOCIAL WORK

3.0 Units

SOC 140 introduces students to social welfare and social work. It provides an analysis of current functions and purposes of social welfare as an institution. This course examines social welfare within the context of cultural, economical, political, psychological, and social forces in the United States and other nations. Knowledge, values, and skills underpinning social work practice are introduced in this course. Lecture 3 hours. **Recommended Preparation:** ENGL C1000, ENGL C1000E, or ENGL C1000H, or equivalent. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU, UC, USC

141 FIELD WORK IN SOCIAL WORK AND HUMAN SERVICES

3.0 Units

SOC 141 provides students an opportunity to gain first-hand experience in the fields of Social Work and Human Services and to develop skills to facilitate employment in the field. It introduces and allows students to apply the code of ethics and to practice standards and guidelines in Social Work. Note: Students will be required to complete forty hours of service learning. Lecture 3 hours. **Recommended Preparation:** SOC 140 and ENGL 100 or 120 or ESL 151, or equivalent. **Transfer Credit:** CSU

141A SOCIAL WORK AND HUMAN SERVICES SEMINAR

1.0 Unit

SOC 141A provides students participating in supervised field experience in a community organization, agency or institution the opportunity to attend a weekly class meeting that provides the academic element to the experiential course offering. The knowledge gained from the **Corequisite** course will help students frame their field experience. This course provides students with an opportunity to develop skills that would facilitate gaining employment in the human services field. Note: This course may not be taken for credit by students who have completed SOC 141 prior to Fall 2022. Lecture 1 hour. **Corequisite:** SOC 141B. **Recommended Preparation:** SOC 140 and ENG 100 or ESL 151. **Transfer Credit:** CSU

141B SOCIAL WORK AND HUMAN SERVICES FIELDWORK

2.0 Units

SOC 141B provides students with supervised field experience in a community organization, agency, or institution, allowing the student to apply knowledge and learn new skills outside of the classroom environment. This course provides students with an opportunity to observe, practice, and develop skills that would facilitate gaining employment in the human services field. Note: This course may not be taken for credit by students who have completed SOC 141 prior to Fall 2022. Laboratory 6 hours. **Corequisite:** SOC 141A. **Prerequisite:** SOC 140, PSYC C1000, or SOC 101. **Recommended Preparation:** ENGL C1000 or ESL 151. **Transfer Credit:** CSU

171
GLOBAL ISSUES
3.0 Units

SOC 171 introduces students to the origins, current status, and future trends of major transnational issues confronting the global community. Topics can include population trends, economic development and inequality, basic human needs (for food, water, health care), human rights, international conflict and security concerns, and environmental problems. The course also focuses on global governance, including the study of collective global responsibilities. Note: This course is cross-listed with GEOG 171 and POL S 171. This course may not be taken for credit by students who have completed GEOG 171 or POL S 171. Lecture 3 hours. **Recommended Preparation:** ENGL C1000, ENGL C1000E, or ENGL C1000H, or equivalent. **Transfer Credit:** CSU, UC, USC

200
RESEARCH METHODS FOR
SOCIOLOGY
3.5 Units

SOC 200 is a lecture and laboratory course focusing on the nature of theory and the principles of descriptive and inferential research. Topics covered in the course include: an analysis of the scientific method, research design, ethical principles, internal and external validity, and scientific writing. The course is built around the application of these topics in a laboratory environment. Note: This course may not be taken for credit by students who have successfully completed PSYCH 200. Lecture 3 hours/Laboratory 1.5 hour. **Prerequisite:** SOC 101 and STAT C1000. **Transfer Credit:** CSU, UC, USC. (C-ID SOCI 120)

SPANISH

48
SPANISH INTERNATIONAL FIELD
STUDIES
1.0 to 3.0 Units

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. Lecture 1-3 hours. **Corequisite:** Concurrent registration in 6 or more units. **Transfer Credit:** CSU

49
SPANISH INDEPENDENT STUDY
1.0 to 3.0 Units

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. Laboratory 3-9 hours. **Corequisite:** Concurrent registration in 6 or more units. **Transfer Credit:** CSU

101
BEGINNING SPANISH I
5.0 Units

SPAN 101 teaches the fundamentals of Spanish grammar in a cultural context. Students are trained to utilize correct pronunciation in Spanish, to acquire a small working vocabulary which they use in conversation and writing, and to read simple Spanish. The class is taught primarily in Spanish. Note: Students with oral proficiency or who have attended schools where Spanish was the language of instruction should enroll in SPAN 115. Lecture 5 hours. **Recommended Preparation:** ENGL 100 or ESL 141. Course Typically Offered: Winter/Spring/Summer/Fall. **Transfer Credit:** CSU, UC, USC. (C-ID SPAN 100)

102
BEGINNING SPANISH II
5.0 Units

SPAN 102 continues the work begun in Spanish 101, presenting the fundamentals of Spanish grammar in a cultural context. It emphasizes correct pronunciation and presents more difficult elementary prose. The discussions in Spanish stress the correct use of verbs and idioms and efficient methods of vocabulary building. Lecture 5 hours. **Prerequisite:** SPAN 101 or equivalent. Course Typically Offered: Fall/Spring. **Transfer Credit:** CSU, UC, USC. (C-ID SPAN 110)

103
INTERMEDIATE SPANISH I
5.0 Units

SPAN 103 teaches culture and facilitates language acquisition through listening, speaking, reading and writing. Content is expanded beyond survival needs in order to express opinions on familiar topics as well as abstract issues. Students demonstrate an increased awareness of cultural norms and values by making cross-cultural comparisons. A higher level of accuracy for high frequency structures and vocabulary is expected. Students demonstrate the ability to think critically by analyzing linguistic structures and literary works. This course is taught in Spanish. Lecture 5 hours. **Prerequisite:** SPAN 102 or 116 or the equivalent. Course Typically Offered: Fall. **Transfer Credit:** CSU, UC, USC. (C-ID SPAN 200)

104
INTERMEDIATE SPANISH II
5.0 Units

SPAN 104 continues to expand upon culture and facilitate language acquisition through listening, speaking, reading and writing. Content continues to expand in order to express more complex ideas as well as some abstract issues and plans. Students continue to demonstrate the ability to think critically by analyzing linguistic structures and demonstrate an increased awareness of cultural norms and values by reflecting on and making cross-cultural comparisons. This course is taught in Spanish. Lecture 5 hours. **Prerequisite:** SPAN 103 or SPAN 115 or equivalent Course Typically Offered: Spring. **Transfer Credit:** CSU, UC, USC. (C-ID SPAN 210)

115 SPANISH FOR THE SPANISH SPEAKING I

5.0 Units

SPAN 115 is designed for heritage speakers of Spanish 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 Hispanic cultures as manifested in Spanish speaking countries and in the United States. This course is conducted entirely in Spanish. Note: Heritage and native speakers of Spanish 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*: SPAN 102 or equivalent. Course Typically Offered: Fall/Spring. *Transfer Credit*: CSU, UC, USC. (C-ID SPAN 220)

124H HONORS ENGLISH TRANSLATIONS OF HISPANIC LITERATURE

3.0 Units

SPAN 124H is the study of a selected representation of significant works of literature of Spain and Spanish America in English translation. Students study the various literary movements and genres to which the works pertain in order to critically analyze the literature. No knowledge of Spanish is necessary. The honors class is enhanced in one or more of the following ways: 1. Students write a research paper utilizing critical thinking skills and literary analysis on an approved thesis using the MLA guidelines. 2. There is an increased emphasis on critical thinking skills by increasing the value of essay answers on examinations. 3. Students attend a theatrical presentation of one of the dramas studied and/or attend literary conferences hosted by nearby 4-year institutions. Lecture 3 hours. *Recommended Preparation*: ENGL C1000 or ESL 151, or equivalent. Course Typically Offered: Spring. *Transfer Credit*: CSU, UC, USC

131 CULTURAL AWARENESS THROUGH CONVERSATION

3.0 Units

SPAN 131 is a course of intensive practice for improving oral communicative skills in the Spanish language while exploring culturally significant topics in the Spanish speaking world. By means of a variety of media such as short films, comic strips, and readings in different genres by important literary figures, students participate in conversational tertulias 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 Spanish. Lecture 3 hours. *Prerequisite*: SPAN 102 or equivalent. *Transfer Credit*: CSU, UC, USC

SPEECH COMMUNICATION

Speech Communication courses can now be found in Communication Studies (COMM) department in the catalog.

STATISTICS

Statistics MATH 136 - has change departments to Statistics with a prefix (STAT) in the catalog.

C1000 INTRODUCTION TO STATISTICS

4.0 Units

(Previously MATH 136)

This course is an introduction to statistical thinking and processes, including methods and concepts for discovery and decision-making using data. Topics include descriptive statistics; probability and sampling distributions; statistical inference; correlation and linear regression; analysis of variance, chi-squared, and t-tests; and application of technology for statistical analysis including the interpretation of the relevance of the statistical findings. Students apply methods and processes to applications using data from a broad range of disciplines. Note: This course was previously MATH 136. Lecture 4 hours. *Prerequisite*: Placement is based on academic background or satisfactory completion of MATH 90. *Recommended Preparation*: ENGL C1000. *Transfer Credit*: CSU, UC. (C-ID MATH 110)

C1000E INTRODUCTION TO STATISTICS

5.0 Units

(Previously MATH 136+)

This course is an introduction to statistical thinking and processes, including methods and concepts for discovery and decision-making using data. Topics include descriptive statistics; probability and sampling distributions; statistical inference; correlation and linear regression; analysis of variance, chi-squared, and t-tests; and application of technology for statistical analysis including the interpretation of the relevance of the statistical findings. Students apply methods and processes to applications using data from a broad range of disciplines. This course has embedded support. Note: This course was previously MATH 136+. Lecture 4 hours/Laboratory 3 hours. *Prerequisite*: Placement is based on academic background or satisfactory completion of MATH 90. *Recommended Preparation*: ENGL C1000. *Transfer Credit*: CSU, UC. (C-ID MATH 110)

C1000H INTRODUCTION TO STATISTICS - HONORS

4.0 Units

(Previously MATH 136H)

This course is an introduction to statistical thinking and processes, including methods and concepts for discovery and decision-making using data. Topics include descriptive statistics; probability and sampling distributions; statistical inference; correlation and linear regression; analysis of variance, chi-squared, and t-tests; and application of technology for statistical analysis including the interpretation of the relevance of the statistical findings. Students apply methods and processes to applications using data from a broad range of disciplines. This is an honors course. The honors section of this course features more in depth theory and one or more projects related to the topics of the course. Note: This course was previously MATH 136H. Lecture 4 hours. *Prerequisite*: Placement is based on academic background or satisfactory completion of MATH 90. *Recommended Preparation*: ENGL C1000. *Transfer Credit*: CSU, UC. (C-ID MATH 110)

STUDENT DEVELOPMENT

48 STUDENT DEVELOPMENT INTERNATIONAL FIELD STUDIES 1.0 to 3.0 Units

ST DV 48 provides students the opportunity to develop a skill set specific to international travel, such as how to travel safely, adjust to a new environment, study abroad, develop critical thinking skills abroad, and explore personal identity while traveling, among many other related themes within the area of student/personal development. Under the direction of a Glendale Community College instructor, students participate in a study abroad program approved by the College. Students are responsible for paying program fees. This course may be offered in other disciplines. Note: This course may be taken 4 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. **Corequisite:** Concurrent registration in 6 or more units or equivalent. **Transfer Credit:** CSU

49 STUDENT DEVELOPMENT INDEPENDENT STUDY 1.0 to 3.0 Units

ST DV 49 provides motivated students with an opportunity to explore a subject in greater depth than usual, to familiarize students with some basic research techniques, to interest students in possible career areas, and to take advantage of special academic interests. Emphasis shall be on individual research projects, library research and/or preparation of research papers. There is no prescribed course content. Students develop a research project, have it approved by the sponsoring instructor and appropriate division chairperson, and complete the project in accordance with an instructor-approved program. Note: Registration is open to any student at GCC who is currently registered for 6 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 6 units per division. The units received may be acceptable for college transfer subject to the approval of the individual college. Laboratory 3-9 hours. **Corequisite:** Concurrent registration in 6 or more units. **Transfer Credit:** CSU

100 COLLEGE ORIENTATION AND STUDENT SUCCESS 1.0 Unit

ST DV 100 is a survey course designed to increase students' abilities to navigate the higher educational system, utilize resources, and efficiently reach their academic goals. Topics include the history, significance, and benefits of the Extended Opportunity Programs and Services (EOPS) program, college policies, academic program requirements, study and time management skills, self-efficacy, decision-making, personal responsibility, and the role of diversity and culture. Emphasis is placed on learning how an individual's psychological, social, physical, and environmental factors impact academic achievement and academic, career, and personal life choices. Note: This course is open to all students and satisfies EOPS program requirements. This course is Pass/No Pass only. Lecture 1 hour. **Recommended Preparation:** ENGL 100 or ESL 133. **Transfer Credit:** CSU

101 SKILLS FOR COLLEGE SUCCESS AND LIFE MANAGEMENT 1.0 Unit

ST DV 101 is dedicated to ensuring students' college success and motivating their journeys toward lifelong learning. Students develop their own plan for personal, academic, and career success through self-evaluation, application of specific techniques, and classroom activities. Topics include effective study strategies, short and long-term goals, time management, and campus resources. This course is about making choices, especially those about setting and meeting personal, academic, and career goals. Note: This course is Pass/No Pass only. Lecture 1 hour. **Recommended Preparation:** ESL 133. **Transfer Credit:** CSU, UC

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

103 COLLEGE ORIENTATION FOR INTERNATIONAL STUDENTS 1.0 Unit

ST DV 103 is an introduction to customs unique to the American culture, prevalent American attitudes, United States Immigration regulations affecting F-1 Visa international students, and general principles for living and studying in the United States of America. Additionally, the course covers college academic regulations, requirements for transfer to four-year colleges and universities, college services, and specialized student support services. At the conclusion of the course, the student is able to produce a Student Educational Plan. Note: This course is Pass/No Pass only. Lecture 1 hour. **Prerequisite:** None. **Transfer Credit:** CSU

105 COLLEGE SUCCESS FOR STUDENTS WITH DISABILITIES

3.0 Units

ST DV 105 is an introductory college orientation course for newly enrolled and continuing students with disabilities. Students develop an understanding of how disability-related factors may influence the educational decision-making process in college. Topics include effective study strategies, short and long-term goals, time management, self-advocacy, college academic regulations; associate degree options, including transfer; student services and specialized student support services. Note: The course is specially designed for students who meet Title 5 eligibility requirements for Disabled Student Programs and Services. Lecture 3 hours. *Recommended Preparation:* ENGL 100 or ESL 141. *Transfer Credit:* CSU, UC

110 INTRODUCTION TO COLLEGE

1.0 Unit

ST DV 110 is a college orientation course that helps newly enrolled students become familiar with the campus. Students will discover the wealth of specialized student support services, understand college academic regulations and policies, learn graduation requirements for associate degrees and certificate programs, confidently navigate the GCC campus and website, and understand how they are part of a diverse campus community. Ultimately, students are able to develop a preliminary student educational plan. Note: This course is Pass/No Pass only. Lecture 1 hour. *Prerequisite:* None.

120 TRANSFER ORIENTATION

1.0 Unit

ST DV 120 is a course to assist students who are seeking to transfer to a UC, CSU, private, or out-of-state four-year university by understanding the value of higher education, admission and academic requirements, application processes, major choice(s), financial aid options, and various campus programs and services at universities. Students will also learn how to outline, write, and tailor their personal experiences as they relate to essay questions desired by various universities. Note: This course is Pass/No Pass only. Lecture 1 hour. *Recommended Preparation:* ESL 141. *Transfer Credit:* CSU, UC

125 CAREER PLANNING

1.0 Unit

ST DV 125 is a course that helps students choose a career goal by assessing and analyzing personal values, aptitudes, skills, interests, and traits and relating them to career areas. Decision-making strategies are taught and a tentative career plan is developed. Note: This course is Pass/No Pass only. A material/lab fee may be required for this course. Lecture 1 hour. *Recommended Preparation:* ENGL 100 or ESL 141. *Transfer Credit:* CSU, UC

127 MAJORS EXPLORATION

1.0 Unit

ST DV 127 is a course designed to help students select majors that will lead to a potential career. Emphasis is placed on introducing students to the required education and training within a particular major. Guest lecturers from various industries will present on career options and discuss preferred desirable skills. Students will be able to connect majors to professions. Note: This course is Pass/No Pass only. Lecture 1 hour. *Recommended Preparation:* ESL 141. *Transfer Credit:* CSU

130 PROFESSIONAL CAREER PATHS - BUSINESS

3.0 Units

ST DV 130 introduces the main components of identifying a major in business entrepreneurship and management. Career fields include, but are not limited to, management, marketing, sales, real estate, banking, finance, human resources, database administration, and computer support for business organization. Through self-assessment, this course explores individual work interests, personality, preferences/temperament, skills, values, strengths, and career goals in order to find purpose in academic curriculum. This course includes career planning, occupational research, and career decision-making to formulate a real-world perspective on the local and national opportunities in these fields and the requirements needed to achieve them. Topics include job searching, networking, and interviewing skills in preparation for an internship search, as well as how to research job trends, salary, employment projections, and educational requirements. Lecture 3 hours. *Recommended Preparation:* ENGL 100 or ESL 141. *Transfer Credit:* CSU, UC

135 IDENTITY DEVELOPMENT, SELF- CARE, & STUDENT SUCCESS

3.0 Units

ST DV 135 increases students' awareness of some of the challenges and coping skills that can impact their academic and vocational goals. We will explore the interplay of thoughts, feelings, behaviors, cultural influences and abilities, and how this relationship can affect self-esteem, motivation, and choices that impact academic performance. We will also explore various life conflicts that can influence success and will learn various strategies to navigate them more effectively. Lecture 3 hours. *Recommended Preparation:* ESL 141. *Transfer Credit:* CSU

141 IMPROVING COLLEGE PERFORMANCE AND STUDY SKILLS

1.0 Unit

ST DV 141 is designed to help students develop effective academic study skills and critical thinking strategies to reach desired educational goals. The completion of this course prepares students to learn academic success strategies, such as principles of memory and learning, motivation and concentration, effective note-taking, textbook study methods, efficient time management, test-taking strategies, stress management, and develop knowledge of campus resources. Note: This course is Pass/No Pass only. Lecture 1 hour. *Recommended Preparation:* ESL 133.

143 STUDY SKILLS LAB

1.0 Unit

NON-DEGREE APPLICABLE

ST DV 143 is a laboratory course designed to meet the needs of students with disabilities who are enrolled in a credit math and/or credit English class. Specialized tutoring and study skills in those two subjects are offered to assist students in developing compensatory strategies. Students will meet for three hours a week with a DSPS specialist and/or tutor to fulfill the required hours. Note: This course is Pass/No Pass only. Laboratory 3 hours. *Corequisite:* Students must be enrolled in a credit English and/or credit Math class.

**145
ACHIEVING ACADEMIC AND
CAREER SUCCESS****3.0 Units**

ST DV 145 is a survey course designed to increase academic motivation and career success throughout the life span. The primary goal of this course is to examine how an individual's psychological, social, physical, and environmental factors impact academic achievement and academic, career and personal life choices. Topics include learning theory, achievement motivation, identity development, critical thinking strategies, study and time management techniques, career exploration, decision making, and vocational planning. Note: ST DV 145 may not be taken for credit by students who have successfully completed ST DV 125 or ST DV 128. Fee for three assessments. A material/lab fee may be required for this course. Lecture 3 hours. *Recommended Preparation:* ENGL 100 or ESL 141, or equivalent. *Transfer Credit:* CSU, UC

**171
INTRODUCTION TO STUDENT
LEADERSHIP****1.0 Unit**

ST DV 171 presents the fundamentals of leadership, where students can develop an understanding of self and their positionality within an organization. Are you interested in becoming an emerging student leader? This course will help you explore personal responsibility, work ethic, and your own leadership philosophies. Students will have a safe space to learn leadership competencies such as team building, effective communication, management styles, and conflict resolution. This course also covers academic and professional preparedness, organizational structures and rules of procedures, and how to create transformational and positive social change within the community. Lecture 1 hour. *Recommended Preparation:* ESL 133 and ESL 136. *Transfer Credit:* CSU

**190
INTRODUCTION TO ADAPTED
WORD PROCESSING****1.0 Unit****NON-DEGREE APPLICABLE**

ST DV 190 is designed to provide individualized instruction to students with disabilities. The course uses assistive computer technology and word processing programs to teach students how to prepare simple written documents. Note: This course is Pass/No Pass only, and is primarily designed for students who meet Title 5 eligibility requirements for Disabled Students Programs and Services (DSPS). This course may be taken up to four times for credit. This course was formerly known as and is equivalent to CABOT 93. Laboratory 3 hours. *Recommended Preparation:* ESL 123 or equivalent.

**191
INTRODUCTION TO MICROSOFT
OFFICE 365/GOOGLE SUITE****2.0 Units****NON-DEGREE APPLICABLE**

ST DV 191 provides an overview of Microsoft Office 365 and Google Suite, including the core applications and features of both platforms. Students will learn how to navigate these tools, create and edit documents, collaborate with others, and organize their work efficiently. The course will also cover best practices for data security and privacy. Note: This course is primarily designed for students who meet Title 5 eligibility requirements for Disabled Student Programs and Services (DSPS). The course may be repeated 4 times for credit. Students should have access to a computer or laptop and reliable internet connection. Lecture 1 hour/Laboratory 3 hours. *Recommended Preparation:* ST DV 190 and ESL 133.

**192
INTRODUCTION TO ASSISTIVE
TECHNOLOGY****1.0 Unit****NON-DEGREE APPLICABLE**

ST DV 192 introduces students to the use of assistive technology. Students will learn about a variety of assistive technologies that can help individuals with disabilities to access, use, and control computer systems. This includes technologies such as screen readers, speech recognition software, text-to-speech, speech-to-text, notetaking software, and alternative input methods. Through hands-on activities and discussions, students will gain an understanding of the benefits and limitations of different types of assistive technology, as well as the ethical and social implications of their use. Note: This course is primarily designed for students who meet Title 5 eligibility requirements for Disabled Student Programs and Services (DSPS). This course may be repeated 4 times for credit. Laboratory 3 hours. *Recommended Preparation:* ESL 141.

**193
COMPUTER TECHNOLOGY
LITERACY****1.0 Unit****NON-DEGREE APPLICABLE**

ST DV 193 introduces students to the basics of computer technology, including hardware, software, and the Internet. Students will learn how to use common computer applications, troubleshoot basic computer problems, and stay safe online. By choosing disability-specific programs and/or the assistive technology best suited to their individual needs, students will set and work toward goals related to their education. Note: this course is primarily designed for students who meet Title 5 eligibility requirements for Disabled Student Programs and Services. The course may be repeated 4 times for credit. Laboratory 3 hours. *Recommended Preparation:* ESL 151.

THEATRE ARTS

Theatre Arts contains seven families (See page 123 for more information on course families):

- Acting (THTR 100, 103, 104, 111, 140)
- Directing, Playwriting, Management (THTR 106)
- Costume & Makeup (THTR 109, 110, 123)
- Scenic & Lighting (THTR 121, 173)
- Technical Theatre: Stagecraft/Building (THTR 171)
- Theatre Production-Rehearsal & Performance (THTR 160, 161, 162, 163, 164)
- Technical Theatre Production-Running Crew (THTR 180, 181, 182, 183, 184)

Theatre Arts (T ART) prefix has changed to Theatre Arts (THTR) in the catalog.

47 THEATRE ARTS NATIONAL FIELD STUDIES

1.0 - 3.0 Units

THTR 47 provides college credit to study theatre arts in the United States 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 state and/or area of the United States. Lecture 1 - 3 hours. *Prerequisite:* None.

48 THEATRE ARTS INTERNATIONAL FIELD STUDIES

1.0 - 3.0 Units

THTR 48 provides college credit for studying theatre arts in foreign countries. Under the direction of a Glendale Community College instructor, students participate in a study abroad program approved by the College. Students are responsible for paying program fees. Note: This course may be taken 4 times; a maximum of 12 units may be earned. Each repetition must be in a different country and area of the world. Lecture 1 - 3 hours. *Prerequisite:* None. *Transfer Credit:* CSU

49 THEATRE ARTS INDEPENDENT STUDY

1.0 - 3.0 Units

THTR 49 provides independent exploration to familiarize students with research techniques, career options, and special academic interests in theatre arts. 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. Laboratory 3-9 hours. *Corequisite:* Concurrent registration in 6 or more units. *Transfer Credit:* CSU

50 THEATRE ARTS INTERNSHIP

1.0 - 3.0 Units

THTR 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 theatre arts 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 theatre arts. 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. Laboratory 3-9 hours. *Transfer Credit:* CSU

100 INTRODUCTION TO ACTING

3.0 Units

THTR 100 is an acting class designed for the beginner with little or no previous acting experience. Students practice techniques to develop relaxation, concentration, and stage presence in front of an audience. Class work includes group and individual exercises, theatre games, improvisation, and written critique of live theatre productions. Note: During the semester, students are expected to attend professional and Glendale Community College Theatre Department productions as a part of the learning process about acting. Lecture 2 hours/Laboratory 3 hours. *Prerequisite:* None. *Transfer Credit:* CSU, UC. (C-ID THTR 151) (*Acting Family*)

101 INTRODUCTION TO THEATRE

3.0 Units

THTR 101 introduces students to elements of the theatre arts production process as a collaborative art form including playwriting, acting, directing, design, and criticism. The historical, social, political and economic context of theatre and production process are examined. There is an emphasis of theatre practices and terminology and theatre as a collaborative art form. Note: During the semester, students are expected to attend professional and Glendale Community College Theatre Arts Department productions as a part of the learning process. Lecture 3 hours. *Prerequisite:* None. *Transfer Credit:* CSU, UC. (C-ID THTR 111)

102 THEATRE HISTORY

3.0 Units

THTR 102 is a survey of the history of the theatre through its major influences concentrating on Greek, Roman, Renaissance, Elizabethan, Restoration, and Modern eras. Students study the history and development of theatre in relationship to the cultural, political, and social conditions for the time in relation to today's practices. Lecture 3 hours. *Prerequisite:* None. *Transfer Credit:* CSU, UC. (C-ID THTR 113)

103 ACTING FUNDAMENTALS I

3.0 Units

THTR 103 is a beginning acting class intended for theatre majors. Through individual and group exercises, improvisation, theatre games, monologue and scene study, the actor's voice, body, and imagination are developed. Written assignments include the break down and analysis of scripts and live theatre performances. Acting skills are practiced through rehearsal and performance of monologues and scenes. Note: During the semester, students are expected to attend professional and Glendale Community College Theatre Arts Department productions as part of the learning process. Lecture 2 hours/Laboratory 3 hours. *Prerequisite:* None. *Transfer Credit:* CSU, UC. (C-ID THTR 151) (*Acting Family*)

104 ACTING FUNDAMENTALS II 3.0 Units

THTR 104 follows THTR 103, and continues the exploration of theories and techniques used to interpret dramatic writing through the acting of scenes and monologues. Emphasized skills include: integration of the voice, body, and creative impulses into character development; deepening connection to the script and to the other actors on the stage; script analysis, and the interpretation of a variety of styles and periods of dramatic writing. Note: During the semester, students are expected to attend professional and Glendale Community College Theatre Arts Department productions as a part of the learning process. Lecture 2 hours/Laboratory 3 hours. *Prerequisite:* None. *Transfer Credit:* CSU, UC. (*Acting Family*)

106 INTRODUCTION TO THEATRICAL DIRECTING 3.0 Units

THTR 106 introduces theatre students to the theory, techniques, and skills of theatrical directing and offers students experience in directing a variety of projects from play-scripts to devised works. Note: This class will be limited to twenty students. Lecture 1 hours/Laboratory 6 hours. *Recommended Preparation:* THTR 101 and THTR 103. *Transfer Credit:* CSU, UC. (*Directing, Playwriting, Management Family*)

107 DRAMA HERITAGE: PLAY STRUCTURE, FORM, AND ANALYSIS 3.0 Units

THTR 107 is a survey of dramatic literature from the classical to the contemporary periods from the structural, stage production, and analytical points of view. The course combines reading, analyzing and understanding play scripts with field trips to local theatres and in-class audio-visual presentations. Students examine the playwright's methods of creating theatre and learns to distinguish between a play as literature versus a play as performance. Note: During the semester, students are expected to attend professional and Glendale Community College Theatre Arts Department productions as part of the learning process. Lecture 3 hours. *Prerequisite:* None. *Transfer Credit:* CSU, UC. (C-ID THTR 114)

109 STAGE MAKEUP I 2.0 Units

THTR 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 THTR 109 and THTR 110 to add up to the 3.0 units. Lecture 1 hours/Laboratory 3 hours. *Prerequisite:* None. *Transfer Credit:* CSU, UC. (THTR 109 & 110 C-ID 175) (*Costume & Makeup Family*)

110 STAGE MAKEUP II 1.0 Unit

THTR 110 is a continuation of THTR 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 THTR 109 and THTR 110 to add up to the 3.0 units. Laboratory 3 hours. *Prerequisite:* THTR 109. *Transfer Credit:* CSU, UC. (THTR 109 & 110 C-ID 175) (*Costume & Makeup Family*)

111 VOICE FOR THE ACTOR 3.0 Units

THTR 111 is an introduction to voice for the actor. This class explores the connection between speaking, breath, thoughts, and emotions. The goal of this course is to help students free their "natural voice" in order to perform on stage with vocal freedom and creative expression. Lecture 3 hours. *Prerequisite:* None. *Transfer Credit:* CSU, UC. (*Acting Family*)

112 MOVEMENT FOR ACTORS 3.0 Units

THTR 112 explores the use of the body as an expressive instrument in theatrical performance. Students apply a variety of a movement techniques designed to integrate the actor's creative impulses, thoughts, and emotions with the body. Note: During the semester, students are expected to attend professional and Glendale Community College Theatre Arts Department productions as a part of the learning process. Lecture 3 hours. *Prerequisite:* None. *Transfer Credit:* CSU, UC.

113 COMMUNITY THEATER FOR SOCIAL CHANGE 3.0 Units

THTR 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.

121 STAGE SCENIC DESIGN 3.0 Units

THTR 121 is a practical course with emphasis on originality of theatrical scenic design and the collaborative process. Through evaluation of an assigned script, visual and historical research, sketches, students will create original scenic designs and physical scale models. Hands-on experience will be gained in scenic construction, painting, and installation of sets for Glendale Community College theatrical productions. Note: Additional materials including model making, craft, and art supplies may be required. Lecture 1 hours/Laboratory 3 hours. *Prerequisite:* None. *Transfer Credit:* CSU, UC. (*Scenic & Lighting Family*)

123 COSTUME DESIGN FUNDAMENTALS 3.0 Units

THTR 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. Lecture 2 hours/Laboratory 3 hours. *Prerequisite:* None. *Transfer Credit:* CSU, UC. (C-ID THTR 174) (*Costume & Makeup Family*)

124
MUSICAL THEATRE HISTORY
 3.0 Units

THTR 124 explores the rich and diverse history of musical theatre from its origins to the present day. Students will learn the origins of musical theatre, analyze popular musicals, and explore contemporary musical styles and storytelling techniques. Students will gain a deep understanding of the cultural, social, and artistic contexts that have shaped musical theatre over time. Note: Students who have already completed MUSIC 124 cannot receive credit for this course. Lecture 3 hours. *Prerequisite:* None. *Transfer Credit:* CSU.

135
INTELLIGENT LIGHTING
 3.0 Units

THTR 135 is the study of intelligent lighting instruments and their use in the live entertainment industry. Students learn a detailed breakdown of the various instruments, such as Moving and Color-Changing lighting instruments. The course includes the common practices associated with intelligent lighting equipment in the field and the use of these instruments in live events, concerts, and theatrical performances. Lecture 1 hours/Laboratory 6 hours. *Prerequisite:* None. *Transfer Credit:* CSU, UC

136
LIGHTING CONSOLE PROGRAMMING
 3.0 Units

THTR 136 is the study of intelligent lighting consoles and their use in the live entertainment industry. The course includes an in-depth approach to the various equipment in the field and the methods used for lighting programming. Students learn approaches to lighting cue building, intelligent light control, and moving light manipulation on lighting consoles used in live events, concerts, and theatrical performances. Lecture 1 hours/Laboratory 6 hours. *Prerequisite:* None. *Transfer Credit:* CSU, UC

140
INTRODUCTION TO PERFORMANCE FOR THE CAMERA
 3.0 Units

THTR 140 is an introduction to performing in the media of television and film. Students explore the styles of technical specifics for each medium, on-camera techniques, and similarities and differences with acting for the stage. Getting an agent, joining the unions, and acquiring the necessary tools of the trade, such as pictures and resumes are practical tools covered in this course. Lecture 2 hours/Laboratory 3 hours. *Prerequisite:* None. *Transfer Credit:* CSU (Acting Family)

155
INTRODUCTION TO PLAYWRITING
 3.0 Units

THTR 155 is the study and practice of writing dramatic works for the stage. Students gain a greater understanding of how to write for the stage through reading plays, analyzing play structure, peer evaluation of writing assignments, participating in the play development process, understanding the commerce of playwriting, and having original works performed in front of an audience. Note: This course may include trips to local professional and/or amateur theatre productions. Students may also present their plays in a staged-reading or performance at the conclusion of the class for a public audience. Lecture 3 hours. *Prerequisite:* None. *Transfer Credit:* CSU, UC.

160
REHEARSAL AND PERFORMANCE IN MUSICAL THEATRE PRODUCTION
 2.0 to 4.0 Units

THTR 160 is a workshop designed to support musical theatre productions. Students enrolled in this course are formed into a company to present the combined Dance, Music, and Theatre Arts Department productions at Glendale Community College. Each student is assigned projects in accordance with their interests and talents. The projects involve some phase of theatrical production as it relates to performance skills in the style of theatre generally termed American Musical Comedy. Note: Students are expected to be available for rehearsals and every performance for 10-15 hours per week. Laboratory Units are earned based on the number of hours and type of project completed. Lecture 1 hours/Laboratory 3-9 hours. *Prerequisite:* None. *Transfer Credit:* CSU, UC. (C-ID THTR 191) (Theatre Production-Rehearsal & Performance Family)

161
REHEARSAL AND PERFORMANCE IN CLASSICAL THEATRE PRODUCTION
 2.0 to 4.0 Units

THTR 161 is a workshop designed to support a classical theatre production. The students enrolled in this course are formed into a company to present classical plays as part of the Theatre Arts Department productions at Glendale Community College. The productions include works that belong specifically to those playwrights whose style requires a genre of acting, generally referred to as Classical, Greek, Roman, Elizabethan, Spanish Golden Age, and French Classical theatre. Each student is assigned projects in accordance with his or her interests and talents. The projects involve some phase of theatrical production as it relates to performance skills in the style of classical theatre. Note: Students are expected to be available for rehearsals and every performance for 10-15 hours per week. Laboratory Units earned are based on the number of hours and type of project completed. Lecture 1 hours/Laboratory 3-9 hours. *Prerequisite:* None. *Transfer Credit:* CSU, UC. (C-ID THTR 191) (Theatre Production-Rehearsal & Performance Family)

162
REHEARSAL AND PERFORMANCE IN MODERN THEATRE PRODUCTION
 2.0 to 4.0 Units

THTR 162 is a workshop designed to support a modern theatre production. Students enrolled in this course are formed into a company to present plays from the modern repertoire as a part of the season of Theatre Arts Department productions at Glendale Community College. These titles include, but are not limited to the works of the international theatre from the 1840's and the advent of Henrik Ibsen, to the mid 1950's with the work of Tennessee Williams and Eugene O'Neil. Each student is assigned projects in accordance with his or her interests and talents regarding the selected materials. The projects involve some phase of theatrical production as it relates to performance skills in the style of modern drama. Note: Students are expected to be available for rehearsals and appear in every performance for 10-15 hours per week. Laboratory Units are earned based on the number of hours and type of project completed. Lecture 1 hours/Laboratory 3-9 hours. *Prerequisite:* None. *Transfer Credit:* CSU, UC. (C-ID THTR 191) (Theatre Production-Rehearsal & Performance Family)

**163
REHEARSAL AND PERFORMANCE
IN CONTEMPORARY THEATRE
PRODUCTION**

2.0 to 4.0 Units

THTR 163 is a workshop designed to support a contemporary theatre production. Students in this course are formed into a company to present contemporary plays as a part of the season in the Theatre Arts Department at Glendale Community College. Each student is assigned projects in accordance with his or her interests and talents. Students will develop performance skills while participating in productions of current or recent successful stage play scripts from Broadway, Off-Broadway, West-end London, and other world theatre centers, dating back to the style changes in realism in the mid-to-late 1950s. Note: Audition or interview is required. Students are expected to be available for rehearsals and every performance for 10-15 hours per week. Laboratory Units are earned based on the number of hours and type of project completed. Lecture 1 hours/Laboratory 3-9 hours. *Prerequisite:* None. *Transfer Credit:* CSU, UC. (C-ID THTR 191) (*Theatre Production-Rehearsal & Performance Family*)

**164
REHEARSAL AND PERFORMANCE
IN NEW WORKS AND
EXPERIMENTAL THEATRE
PRODUCTIONS**

2.0 to 4.0 Units

THTR 164 is a workshop designed to support new works and experimental theatre production. Students enrolled in this course are formed into a company to present new or experimental plays as a part of the season in the Theatre Arts Department productions at Glendale Community College. Each student is assigned projects in accordance with his or her interests and talents. The projects involve some phase of theatrical production as it relates to performance skills in the style of new plays and plays of a differently structured nature, including but not limited to non-linear, feminist, epic, etc. These productions may include work that is student written or generated by the production team. Note: Students are expected to be available for rehearsals and every performance for 10-15 hours per week. Laboratory Units are earned based on the number of hours and type of project completed. Lecture 1 hours/Laboratory 3-9 hours. *Prerequisite:* None. *Transfer Credit:* CSU, UC. (C-ID THTR 191) (*Theatre Production-Rehearsal & Performance Family*)

**171
STAGECRAFT**

3.0 Units

THTR 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. Lecture 1 hours/Laboratory 6 hours. *Prerequisite:* None. *Transfer Credit:* CSU, UC. (C-ID THTR 171) (*Technical Theatre: Stagecraft/Building Family*)

**172
INTRODUCTION TO THEATRE
DESIGN**

3.0 Units

THTR 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. Lecture 2 hours/Laboratory 3 hours. *Prerequisite:* None. *Transfer Credit:* CSU. (C-ID THTR 172)

**173
LIGHTING DESIGN
FUNDAMENTALS**

3.0 Units

THTR 173 is a study and execution of stage lighting theory, equipment, control, and their relationship to design for theatre, dance, and themed entertainment. Practical applications may include hanging lights for Glendale College theatrical productions, light lab cueing, and virtual lighting simulations. Note: Additional materials including an 8" crescent wrench and work gloves may be required. Lecture 2 hours/Laboratory 3 hours. *Prerequisite:* None. *Transfer Credit:* CSU. (C-ID THTR 173) (*Scenic & Lighting Family*)

**180
TECHNICAL THEATRE IN MUSICAL
PRODUCTION**

2.0 to 4.0 Units

THTR 180 is a practical application of theatre arts technical production for the genre of musical theatre. Through lecture and lab experiences, students gain practical experience in the application of production responsibilities in the areas of stage management, house management, construction, painting, scenery, properties, costumes, lighting, projections, sound, and running crews. Note: Students are expected to be available for crew calls, rehearsals, and performances of GCC productions as assigned by the instructor. Units earned are based on the number of hours and type of project completed. Additional materials including 8" crescent wrench, work gloves, safety glasses, and backstage appropriate clothing may be required. Lecture 1 hours/Laboratory 3-9 hours. *Prerequisite:* None. *Transfer Credit:* CSU, UC. (C-ID THTR 192)

**181
TECHNICAL THEATRE IN
CLASSICAL PRODUCTION**

2.0 to 4.0 Units

THTR 181 is a practical application of theatre arts technical production for the genre of classical theatre. Through lecture and lab experiences, students gain practical experience in the application of production responsibilities in the areas of stage management, house management, construction, painting, scenery, properties, costumes, lighting, projections, sound, and running crews. Note: Students are expected to be available for crew calls, rehearsals, and performances of GCC productions as assigned by the instructor. Units earned are based on the number of hours and type of project completed. Additional materials including 8" crescent wrench, work gloves, safety glasses, and backstage appropriate clothing may be required. Lecture 1 hours/Laboratory 3-9 hours. *Prerequisite:* None. *Transfer Credit:* CSU, UC. (C-ID THTR 192)

182
TECHNICAL THEATRE IN MODERN PRODUCTION
 2.0 to 4.0 Units

THTR 182 is a practical application of theatre arts technical production for the genre of modern theatre. Through lecture and lab experiences, students gain practical experience in the application of production responsibilities in the areas of stage management, house management, construction, painting, scenery, properties, costumes, lighting, projections, sound, and running crews. Note: Students are expected to be available for crew calls, rehearsals, and performances of GCC productions as assigned by the instructor. Units earned are based on the number of hours and type of project completed. Additional materials including 8" crescent wrench, work gloves, safety glasses, and backstage appropriate clothing may be required. Lecture 1 hours/Laboratory 3-9 hours. *Prerequisite:* None. *Transfer Credit:* CSU, UC. (C-ID THTR 192)

183
TECHNICAL THEATRE IN CONTEMPORARY PRODUCTION
 2.0 to 4.0 Units

THTR 183 is a practical application of theatre arts technical production for the genre of contemporary theatre. Through lecture and lab experiences, students gain practical experience in the application of production responsibilities in the areas of stage management, house management, construction, painting, scenery, properties, costumes, lighting, projections, sound, and running crews. Note: Students are expected to be available for crew calls, rehearsals, and performances of GCC productions as assigned by the instructor. Units earned are based on the number of hours and type of project completed. Additional materials including 8" crescent wrench, work gloves, safety glasses, and backstage appropriate clothing may be required. Lecture 1 hours/Laboratory 3-9 hours. *Prerequisite:* None. *Transfer Credit:* CSU, UC. (C-ID THTR 192)

184
TECHNICAL THEATRE IN NEW WORKS, DEVISED, AND EXPERIMENTAL PRODUCTION
 2.0 to 4.0 Units

THTR 184 is a practical application of theatre arts technical production for the genre of new works, devised, and experimental production. Through lecture and lab experiences, students gain practical experience in the application of production responsibilities in the areas of stage management, house management, construction, painting, scenery, properties, costumes, lighting, projections, sound, and running crews. Note: Students are expected to be available for crew calls, rehearsals, and performances of GCC productions as assigned by the instructor. Units earned are based on the number of hours and type of project completed. Additional materials including 8" crescent wrench, work gloves, safety glasses, and appropriate backstage clothing may be required. Lecture 1 hours/Laboratory 3-9 hours. *Prerequisite:* None. *Transfer Credit:* CSU, UC. (C-ID THTR 192)

WELDING

49
WELDING INDEPENDENT STUDY
 1.0 to 3.0 Units

WELD 49 provides independent exploration to familiarize students with research techniques, career options, and special academic interests in, welding. 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. Laboratory 3-9 hours. *Corequisite:* Concurrent registration in 6 or more units. *Transfer Credit:* CSU

117
INTRODUCTION TO WELDING
 2.0 Units

WELD 117 consists of oxyacetylene welding, flame cutting (manual and automatic), bronze and silver brazing and soldering. These processes are discussed and demonstrated. The student is given experience in applying the principles by individual practice on a sequence of selected plates and manipulative exercises on various metals. Lecture 1 hour/Laboratory 3 hours. *Recommended Preparation:* ENGL C1000 or ESL 141. *Transfer Credit:* CSU

118
GENERAL WELDING
 2.0 Units

WELD 118 consists of theory and techniques in basic Shielded Metal Arc Welding (SMAW) and Flux Cored Arc Welding. The student is given experience in applying the principles by individual practice on a sequence of selected plates and manipulative exercises on mild steel. Lecture 1 hour/Laboratory 3 hours. *Prerequisite:* WELD 117 or equivalent. *Transfer Credit:* CSU

121
OCCUPATIONAL WELDING I
 3.0 Units

WELD 121 is the first in a series of occupational welding courses designed to prepare the student for employment in the welding industry. It covers the theory of welding processes, welding safety, terms, basic metallurgy, and the fundamentals of shielded metal arc welding (SMAW) and oxyacetylene welding. Lecture 1 hour/Laboratory 6 hours. *Recommended Preparation:* ENGL C1000 or ESL 141. *Transfer Credit:* CSU

122
OCCUPATIONAL WELDING II
 3.0 Units

WELD 122 is second in a series of occupational welding courses designed to prepare the student for employment in the welding industry. It covers fundamental of blueprint reading interpreting shop drawings and sketches, advanced shielded metal arc welding (SMAW) and oxyacetylene welding and provides an introduction to tungsten inert gas and metal inert gas arc welding. Lecture 1 hour/Laboratory 6 hours. *Prerequisite:* WELD 121 or WELD 117 and 118. *Transfer Credit:* CSU

**123
OCCUPATIONAL WELDING III**
3.0 Units

WELD 123 is third in a series of occupational welding courses designed to prepare the student for employment in the welding industry. It covers basic preparation for welding certification, advanced shielded metal arc welding (SMAW), tungsten inert gas, metal inert gas, and oxyacetylene welding, including specific welding exercises needed to prepare the student for the manipulative phase of the certification examination. Lecture 1 hour/Laboratory 6 hours. *Prerequisite:* WELD 122 or equivalent. *Transfer Credit:* CSU

**124
OCCUPATIONAL WELDING IV**
3.0 Units

WELD 124 is fourth in a series of occupational welding courses designed to prepare the student for employment in the welding industry. It covers the preparation for a welding certification in shielded metal arc welding (SMAW), tungsten inert gas, and metal inert gas arc welding. Lecture 1 hour/Laboratory 6 hours. *Prerequisite:* WELD 123 or equivalent. *Transfer Credit:* CSU

**125
ADVANCED WELDING
PROCEDURES**
1.0 Unit

WELD 125 is advanced welding procedures and practices for experienced students or industrial workers who wish to improve and update their manipulative skills or prepare for a specific certification in shielded metal arc welding (SMAW), tungsten inert gas, or metal inert gas welding. Laboratory 3 hours. *Prerequisite:* WELD 117 or 121 or equivalent. *Transfer Credit:* CSU

**126
OCCUPATIONAL WELDING
CERTIFICATE SHOP**
1.0 Unit

WELD 126 is designed for the student or industrial worker with a welding background to gain practical experience in specific skill areas of concentration, resulting in state welding certification. Laboratory 3 hours. *Prerequisite:* WELD 117 or 118 or 125 or equivalent.



Continuing Education



GARFIELD CAMPUS SERVICES

Noncredit Continuing Education courses provide educational opportunities for those seeking occupational or personal improvements. The Garfield Campus at 1122 E. Garfield (between Adams and Chevy Chase) houses the Continuing Education Office, the Business and Life Skills Center, CalWORKs Parents Program, Student Success Center (also known as ABSE), and the English as a Second Language (ESL) program. PARED and Lifelong Learning are offered on the Verdugo campus (Life Skills Building) as well as throughout the community. The Garfield Campus houses a full range of student services that are available free of charge to the community.

Classes are available mornings, afternoons, and evenings throughout the week. All classes are tuition free. Students may enter a class at any time during the year.

For information or to request a current schedule of classes, please call (818) 240-1000 ext. 5678 during business hours. Continuing Education office hours are 8:00 a.m. to 9:00 p.m. Monday through Thursday, and 8:00 a.m. to 4:30 p.m. on Friday.

GCC CALWORKS PARENTS PROGRAM

www.glendale.edu/calworks, Tropic, 3rd Floor

The GCC CalWORKs Parents Program is here to support and celebrate parenting students! We are the safe homebase for students receiving CalWORKs support from the County, and for all parenting students seeking resources and community. For CalWORKs students, we provide work study, counseling, case management, peer mentoring, laptop and childcare requests, and GAIN document processing. All services and community are provided remotely, through Zoom, Cranium Cafe, and live online drop-in help.

GCC CalWORKs supports parenting students who are changing their own lives, two generations at a time and we are creating a Glendale where families are economically and socially empowered through education. We have committed to identify, discuss and challenge issues of race, color, ethnicity, and the impacts they have on students, faculty, and staff members, and we purposefully strive to become an anti-racist program.

The Garfield Campus CalWORKs Program is located on the third floor of the Tropic Building (TR 300). For more information, call (818) 240-1000, ext. 5681.

CAREER AND COUNSELING CENTER

The Career and Counseling Center assists students with transfer to the Verdugo Campus, choosing classes, preparing for financial aid, career assessment, job seeking, employment preparation, and career/school research. Hours are Monday through Thursday 8:30 a.m. to 5:30 p.m., and Friday 8:30 a.m. to 4:00 p.m. Program is located on the second floor of the Mariposa Building (MP 221). For more information call (818) 240-1000, ext. 5035 or 5099.

COUNSELING

Academic counselors are available for assistance with students seeking High School Diplomas and the HSE. Academic Counselors work with State Department of Rehabilitation referrals and California Training Benefits (CTB) students. They assist with transition to credit classes at the Verdugo Campus, and provide other general academic counseling. Hours vary from 8:00 a.m. to 7:00 p.m. To schedule an appointment call (818) 240-1000, ext. 5035 or 5099.

Mental Health Counseling is offered for short-term and crisis counseling for students who are enrolled in any continuing education program or class. Students should obtain a referral from staff or faculty to make an appointment. Program is located on the second floor of the Mariposa Building (MP 221). For more information call (818) 240-1000, ext. 5035 or 5099.

GARFIELD CHILD DEVELOPMENT CENTER

The Garfield Child Development Center offers on-site childcare for continuing education students who have potty-trained children from three to five years of age. There are fees for non-CalWORKs or GAIN students. Hours are Monday through Friday; 8:30 a.m. to 4:30 p.m. For more information call (818) 240-1000, ext. 3071.

GARFIELD LIBRARY

The Garfield Library Collection has over 1,000 volumes to help support the Continuing Education Business, Life Skills, and Noncredit ESL classes. The library also has over 2,300 volumes of children's literature as "classroom sets" available for faculty checkout. Program is located on the second floor of the Tropic Building (TR 201). For more information and hours, call (818) 240-1000, ext. 5098.

WELCOME CENTER

The Garfield Campus Welcome Center serves current and prospective students. Welcome Center staff are available to help students apply for admission, register for classes, learn how to navigate MyGCC and activate your student email, and get directed to Student Services and open classes on campus. Program is located on the first floor of the Mariposa Building (MP 125). For more information call (818) 240-1000, ext. 5678.

CONTINUING EDUCATION CERTIFICATES

ACCOUNT CLERK I CERTIFICATE

This program prepares students for entry-level bookkeeping positions. Students learn to record customer and vendor data for service based sole proprietorships, and create financial statements from recorded statements. Students must complete all 566 required hours to earn the certificate.

REQUIRED COURSES: STV 11, 21, 22, 34, 40, 70, 80, and 90.

ACCOUNT CLERK II CERTIFICATE

In this program, students learn advanced accounting techniques, computerized accounting systems, and the use of Excel spreadsheets. Students learn to record transactions for a merchandising business organized as a corporation, and create financial statements from recorded transactions. Students must complete all 408 required hours to earn the certificate.

REQUIRED COURSES: STV 23, 50, 91, 95, 97, 113, 138, and 150.

ADULT BASIC EDUCATION CERTIFICATE

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.

REQUIRED COURSES: ABSE 10, 20, 50, 122, and 186.

CUSTOMER SERVICE CERTIFICATE

This certificate gives students the skills necessary to provide customer service in a business environment. Skills and knowledge covered are: internal and external customers, customer expectations and satisfaction, communication, team building, decision making, problem solving, conflict resolution, time management, stress management, working with difficult personalities, attitude management, values and ethics and managing organizational change. Students must complete all 176-192 required hours to earn the certificate.

The following OBT prefix has changed to STV.

REQUIRED COURSES: OBT 11, 35, 40, 50.

BEGINNING ESL CERTIFICATE

This certificate will lead to enhanced academic and entry level job opportunities. Upon completion of this certificate, students will be able to demonstrate mastery of beginning-level English grammar, the ability to write a simple paragraph, and show beginning conversational speaking competence. Students must complete 185-560 required hours to earn the certificate.

Select one of the following:

Option 1: **REQUIRED COURSES:** ESL 1, 80

Select one of the following: ESL 10, 15

Option 2: **REQUIRED COURSES:** ESL 80

Select one of the following: ESL 10, 15

Option 3: **REQUIRED COURSES:** ESL 80

Select one of the following: ESL 20, 25

INTERMEDIATE ESL CERTIFICATE

This certificate prepares the student for academic and job opportunities that require a conversant level of English. Upon completion of this certificate, students will be able to demonstrate proficiency with intermediate English grammar, the ability to write a 3-paragraph essay, and show intermediate-level conversational speaking competence. This certificate also prepares the student for higher level of study that include noncredit business courses, the High School Equivalency program, citizenship courses, and matriculation to credit classes. Students must complete 185-336 required hours to earn the certificate.

REQUIRED COURSES: ESL 30, 40, 35, 45.

Select one of the following courses: ESL 81, 85

ADVANCED ESL CERTIFICATE

This certificate prepares the student for academic and job opportunities that demand a fluent level of spoken English. Upon completion of this certificate, students will be able to demonstrate proficiency of advanced English grammar structures, write a 5-paragraph essay, comprehend academic, professional, and everyday spoken English, understand American idioms, and create, present, analyze, and critique oral presentations. This certificate also prepares students for higher levels of study that includes noncredit business courses, the High School Equivalency program, citizenship courses, and transition to credit courses. Students must complete 185-336 required hours to earn the certificate.

REQUIRED COURSES: ESL 50 or 55 or 57.

Select one of the following: ESL 82, 95

DRAFTING AND BASIC DESIGN CERTIFICATE

This program is designed to introduce to and prepare non-credit students for CTE Engineering programs for credit. 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. Students must complete all 172 required hours to earn the certificate.

REQUIRED COURSES: STV 151, 250.

DRAFTING AND BASIC INTERIOR DESIGN CERTIFICATE

This certificate gives students the opportunity to use mathematical skills required for occupational needs, and fundamentals of drafting techniques used in architectural drawing, and the basic design procedure relative to good residential planning. Students will complete 172 hours of learning to achieve this program certificate.

REQUIRED COURSES: STV 153, 250.

GENERAL OFFICE CLERK I CERTIFICATE

This program prepares students for entry-level work in an office setting. Students are provided with the basics of keyboarding, filing, and word processing computer applications as well as soft skills such as problem solving and teamwork. Students will produce documents using a word processor and demonstrate understanding of general office etiquette. Students must complete all 346 required hours to earn the certificate.

REQUIRED COURSES: STV 11, 34, 35, 40, 55, 70, 80, 100 and 140.

GENERAL OFFICE CLERK II CERTIFICATE

This program prepares students for independent work in an office setting. Students gain a broad background in business math, computer applications, and business writing, which provides them with the ability to work in most office departments. Students will demonstrate appropriate interpersonal skills and operate a variety of business software, including word processors and spreadsheets to create business correspondence, reports, and other related documents. Students must complete all 446 required hours to earn the certificate.

REQUIRED COURSES: STV 12, 21, 31, 50, 90 and 138.

GENERAL OFFICE CLERK III CERTIFICATE

This program prepares students for work as an administrative assistant or secretary. Students gain advanced keyboarding and computer application skills as well as the fundamentals of accounting. Students will learn to support business office operations and work independently from a variety of inputs; apply time management skills, prepare a wide variety of business correspondence, and compile and edit spreadsheets using common business software. Students must complete all 352-368 required hours to earn the certificate.

REQUIRED COURSES: STV 13, 22, 33 and 101;

Complete one of the following courses: STV 111, 113 or 150;

HSE PREPARATION CERTIFICATE

This program prepares students to take and pass the HSE test, an equivalency to the high school diploma. Students will attain knowledge, skills, and abilities necessary to pass high school courses, and obtain a high school diploma. Students must complete all 760 required hours to earn the certificate.

REQUIRED COURSES: ABSE 10, 20, 50, 60 or 61.

GOOGLE WORKSPACE CERTIFICATE

This program prepares students for cloud based office technology. Students acquire proficiency in creating documents and forms in the cloud, backing up files, and collaborating with others on documents, worksheets, calendars, etc. This program allows students to develop familiarity with the various Google apps and prepares them for all modalities of a technologically dynamic office. This program is designed in response to the current need for proficiency in cloud based office technology. It is designed for students interested in entering employment in a business office or to enhance the skills they already possess. Students will complete 48-64 hours to achieve the certificate.

REQUIRED COURSES: STV 72, 73.

MEDICAL OFFICE CERTIFICATE**ADMINISTRATIVE MEDICAL ASSISTING**

This program is designed to train students for success in gaining employment as an administrative medical assistant. The certificate provides the participant with a comprehensive understanding of medical front office duties. This training emphasizes mastering medical terminology, handling problem situations involving patients over the phone or in person, learning basic billing and transcription techniques and medical software. Students must complete all 448 required hours to earn the certificate.

REQUIRED COURSES: STV 40 and 61.

CERTIFIED NURSING AIDE

This program is designed in response to the current medical assistance in hospitals, skilled nursing facilities, residential care and acute care facilities. It is designed for noncredit students who are seeking training in the health field for immediate mid-level employment. Upon completion, students are qualified to take the California Certification Exam. Students must complete all 239-385 required hours to earn the certificate.

REQUIRED COURSES: STV 60 and 66.

RECOMMENDED COURSE: STV 40

DENTAL FRONT OFFICE CLERK

This program prepares students for front office work in a dentist's office. Students learn medical terminology, billing, transcription, and customer service. Students learn to utilize PractiSoft dental software to bill providers and manage a small dental practice. Students must complete all 430 required hours to earn the certificate.

REQUIRED COURSES: STV 11, 34, 35, 40, 50, 62, 70, 80, 100.

HOME CAREGIVER

This program is designed to train students for employment as personal care assistants in the home, addressing the trend of the fastest growing segments of the elder care market. The certificate provides the participant with investigation of professions and pathways in health care careers. Some of the basic concepts include understanding roles in health careers, having compassion for individuals in other cultures, and customer/patient service. Furthermore, this program will also provide foundational health skills for students to enter into more advanced health career programs. Students must complete all 160 required hours to earn the certificate.

REQUIRED COURSES: STV 60 and 64.

MEDICAL ASSISTANT

This program is designed to train students for employment as an administrative medical assistant and clinical medical assistant, addressing the trend of physician offices combining the tasks of front and back office as a single position. The certificate provides the participant with a comprehensive understanding of all medical office duties. Front office training emphasizes mastering medical terminology, handling problem situations involving patients over the phone or in person, learning basic billing and transcription techniques and medical software. Additionally, the clinical back office procedures emphasize checking blood pressure, injections, and drawing blood, and gaining the skills needed to hold a variety of roles in a medical practice setting. Students must complete all 564 required hours to earn the certificate.

REQUIRED COURSES: STV 61, 63.



HIGH SCHOOL DIPLOMA REQUIREMENTS

COURSES	CREDITS REQUIRED
• English	40
• World History	10
• United States History	10
• American Government	5
• Economics	5
• Science (includes Life and Physical Sciences)	20
• Mathematics (includes Algebra 1 or higher)	20
• Career Exploration (or equivalent work history)	5
• Computer Applications	5
• Health	5
• Humanities (Art, Music or Foreign Language)	10
• Electives	25
TOTAL	160

Students must earn a “C” or better on all courses taken through Glendale Community College’s Adult High School Diploma Program and credit classes to receive credit. 20 credits must be completed at Glendale Community College. Students must demonstrate competency in reading, writing, and mathematics.

COMPETENCY REQUIREMENTS

Reading Competency— One of the following:

- Pass the High School Equivalency Language Arts Exam (GED minimum score of 145, HiSET minimum score of 8)
- Score 249 or above on the CASAS Reading GOALS assessment
- Place into English 101 or higher

Writing Competency— One of the following:

- Pass the High School Equivalency Language Arts/Writing Exam (GED minimum score of 145, HiSET minimum score of 2)
- Place into English 101 or higher

Mathematics Competency— One of the following:

- Pass the High School Equivalency Mathematics Exam (GED minimum score of 145, HiSET minimum score of 8)
- Score 236 or above on the CASAS Mathematics GOALS assessment
- Place into Mathematics SLAM or BSTEM transfer level courses

For High School Equivalency (HSE) testing information, please refer to the General Information section of this catalog.

ADULT BASIC AND SECONDARY EDUCATION

10 BASIC ENGLISH 0 Units

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. **Recommended Preparation:** ESL 40 or equivalent.

15 VOCABULARY DEVELOPMENT 0 Units

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. **Recommended Preparation:** ESL 40 or equivalent.

18 INTEGRATED MATHEMATICS 1A 0 Units

ABSE 18 is an introduction to algebraic reasoning and modeling. Students learn linear, exponential, and radical functions, systems of equations, and data analysis. This course is designed to meet the needs of students who wish to begin their study of first semester Integrated Mathematics 1 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 this course results in 5 high school credits. **Prerequisite:** ESL 30. **Recommended Preparation:** ABSE 22.

19 INTEGRATED MATHEMATICS 1B 0 Units

ABSE 19 is an introduction to geometric reasoning and modeling. Students learn exponential functions, equations and models; transformations and symmetry; congruence; lines and angles; triangles, quadrilaterals and coordinate proofs. This course may be used for high school credit in mathematics, and is designed for students preparing to study second semester Intermediate Mathematics 1. 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. **Prerequisite:** ESL 30. **Recommended Preparation:** ABSE 18.

20 BASIC MATH 0 Units

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. **Recommended Preparation:** ESL 40 or equivalent.

21 ARITHMETIC 1A 0 Units

ABSE 21 introduces students to whole number, fraction, decimal, and percent computation. This course is designed to meet the needs of students who wish to improve their basic 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 this course results in 5 high school credits. **Recommended Preparation:** ESL 40 or equivalent.

22 ARITHMETIC 1B 0 Units

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. **Recommended Preparation:** ESL 40 or equivalent and ABSE 21 or equivalent.

23 ALGEBRA 1A 0 Units

ABSE 23 is an introduction to algebraic reasoning and modeling. Algebraic modeling is introduced with linear functions. This course is designed to meet the needs of students who wish to begin 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 this course results in 5 high school credits. **Recommended Preparation:** ESL 40 or equivalent, ABSE 22 or equivalent.

24 ALGEBRA 1B 0 Units

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. **Recommended Preparation:** ESL 40 and ABSE 23, or equivalent.

25 GEOMETRY 1A 0 Units

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. **Recommended Preparation:** ESL 40 and ABSE 24, or equivalent.

26 GEOMETRY 1B 0 Units

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. **Recommended Preparation:** ESL 40 and ABSE 25, or equivalent.

27 APPLIED MATHEMATICS 0 Units

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. **Recommended Preparation:** ESL 40 or equivalent.

28 ALGEBRA 2A 0 Units

ABSE 28 focuses on linear, quadratic, and exponential functions, including polynomial, rational, and radical functions. Students work closely with the expressions that define the functions and expand and hone their abilities to model situations and to solve equations, including solving quadratic equations over the set of complex numbers and solving exponential equations using the properties of logarithms. Students explore the effects of transformations on graphs of diverse functions, including functions arising in applications. ABSE 28 is aligned with the California Common Core State Standards and high school grade-specific standards to define college and career readiness expectations. 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. **Prerequisite:** ESL 30. **Recommended Preparation:** ABSE 27.

29 ALGEBRA 2B 0 Units

ABSE 29 focuses on rational functions, sequences and series, and quadratic relations and conic sections. Students continue solving complex systems of equations, including matrices. They use the coordinate plane to extend trigonometry to model periodic phenomena and expand basic functions to the entire unit circle. Students identify different ways of collecting and analyzing data and the role of randomness and careful design in the conclusions that can be drawn. 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. **Prerequisite:** ESL 30. **Recommended Preparation:** ABSE 28.

30 LIFE SCIENCE 1A 0 Units

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. **Recommended Preparation:** ESL 40 or equivalent.

31 LIFE SCIENCE 1B 0 Units

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. ABSE 31 is equivalent to the second semester of Life Science. 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 or equivalent and ABSE 21 or equivalent.

32 PHYSICAL SCIENCE 1A 0 Units

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 class is equivalent to the first semester of Physical Science and meets the requirements of 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 or equivalent.

33 PHYSICAL SCIENCE 1B 0 Units

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 equivalent to the second semester of Physical Science and 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 and ABSE 32 or equivalent.

34 HEALTH AND GUIDANCE 0 Units

ABSE 34 is a high school course designed to give an overview of healthy lifestyles 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. 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 or equivalent.

35 INTEGRATED MATHEMATICS 2A 0 Units

ABSE 35 focuses on algebraic relations, equations, and functions; applications of various types of graphing; and working with polynomials, and complex numbers. This course is designed to meet the needs of students who wish to continue their study of Integrated Mathematics 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. **Recommended Preparation:** ESL 40 or equivalent, ABSE 19 or equivalent.

36 INTEGRATED MATHEMATICS 2B 0 Units

ABSE 36 focuses on geometric proofs, transformations, and dilations; trigonometric solutions to right triangles; measuring circles and arcs; solving volume problems; applying the basics of probability. This course is designed to meet the needs of students who wish to continue their study of Integrated Mathematics 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. **Recommended Preparation:** ESL 40 and ABSE 35 or equivalent.

**37
INTEGRATED MATHEMATICS 3A**
0 Units

ABSE 37 focuses on the integration of algebra and geometry through graphing representations and coordinate proofs. Student explore modeling in two and three dimensions; algebraic theorems; polynomial and rational functions, expressions and equations. This course is designed to meet the needs of students who wish to continue their study of Integrated Mathematics 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. **Recommended Preparation:** ESL 40 and ABSE 36.

**38
INTEGRATED MATHEMATICS 3B**
0 Units

ABSE 38 focuses on the integration of algebra and geometry through examining the mathematical measures of circles. Student also explore geometric and logarithmic sequences, as well as statistical measures. This course is designed to meet the needs of students who wish to continue their study of Integrated Mathematics 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. **Recommended Preparation:** ESL 40 and ABSE 37.

**40
WORLD HISTORY 1A**
0 Units

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 course covers the first half of the high school World History requirement.†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. **Recommended Preparation:** ESL 40 or equivalent.

**41
WORLD HISTORY 1B**
0 Units

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 course fulfills the second half of the high school World History requirement. 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 and ABSE 40, or equivalent.

**42
US HISTORY 1A**
0 Units

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 fulfills the first half of the high school U.S. History requirement. 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 or equivalent.

**43
US HISTORY 1B**
0 Units

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 fulfills the second semester of the high school U.S. History requirement. 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 and ABSE 042 or equivalent.

**44
AMERICAN GOVERNMENT**
0 Units

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. 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 or equivalent.

**45
ECONOMICS**
0 Units

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. Micro-economic 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. **Recommended Preparation:** ESL 40 or equivalent.

**48
PSYCHOLOGY**
0 Units

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. Lecture 1-3 hours/Laboratory-Studio 2-9 hours. **Recommended Preparation:** ESL 40 or equivalent.

**50
BASIC READING**
0 Units

ABSE 50 is an individualized beginning reading course. This course covers reading techniques, vocabulary development, and comprehension and analysis skills. Lecture 64 hours. **Note:** This is a self-paced course in an open-entry, open-exit lab environment. Course is Pass/ No Pass. **Recommended Preparation:** ESL 40 or equivalent.

**60
HIGH SCHOOL EQUIVALENCY
(HSE) PREPARATION**
0 Units

ABSE 60 is an individualized course designed to prepare students to take the GED (General Educational Development) or the HiSET (High School Equivalency Test) examination. This course covers all five areas of the examinations: reading, writing, social studies, science, and mathematics and includes small group instruction. Additionally, this course can be taken by students who need to refresh their college readiness academic skills. Laboratory 320 hours. **Note:** This is a self-paced course in an open-entry, open-exit lab environment, with small group instruction. Lecture 1-3 hours/Laboratory-Studio 2-9 hours. **Recommended Preparation:** ESL 40 or equivalent.

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

0 Units

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. **Recommended Preparation:** ESL 40 or equivalent.

62 SOCIAL STUDIES FOR THE GED/ HISET

0 Units

ABSE 62 is designed to prepare students to take the social studies section of the GED/HiSET test. The course applies critical thinking skills to interpret social studies-related texts, documents, charts, tables, graphs, and political cartoons, and implement key test taking strategies. The course includes United States history, civics and government, geography and economics. Lecture 32 hours. **Recommended Preparation:** ABSE 10, ABSE 50, and ABSE 186 or ESL 40.

63 SCIENCE FOR THE GED/HISET

0 Units

ABSE 63 is a preparation course that teaches students to think critically while learning more about the Life, Physical, Earth, and Space Sciences. This course focuses on the understanding of the scientific method, comprehension of science related texts, and the use of data and statistics in science. Students will receive the necessary skills to successfully pass the science section of the GED/HiSET. Lecture 32 hours. **Recommended Preparation:** ABSE 10, ABSE 50, and ABSE 186 or ESL 40.

64 MATHEMATICAL REASONING FOR THE GED/HISET

0 Units

ABSE 64 is designed for adults who wish to review or master basic algebraic and geometric concepts. The concepts range from solving simple equations to understanding how to graph a two-variable equation in a coordinate plane. The course is designed to provide students with the necessary skills to successfully pass the mathematics section of the GED/HiSET. Lecture 64 hours. **Recommended Preparation:** ABSE 20 and ABSE186 or ESL 40.

65 GRAMMAR AND USAGE FOR THE GED/HISET

0 Units

ABSE 65 is a noncredit English course designed for adult learners who want to improve their grammar skills, and, thereby, improve their reading and writing skills. This course focuses on major principles of basic grammar and sentence instruction and is designed to provide students with the necessary skills to successfully pass the grammar and usage section of the GED/HiSET. Lecture 32 hours. **Recommended Preparation:** ABSE 10 and ABSE 50 or ESL 40.

70 CAREER EXPLORATION

0 Units

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. **Recommended Preparation:** ESL 40 or equivalent.

110 ENGLISH 9A

0 Units

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. **Recommended Preparation:** ESL 040

111 ENGLISH 9B

0 Units

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. **Recommended Preparation:** ESL 040, ABSE 110 or equivalent

112 ENGLISH 10A

0 Units

ABSE 112 is a comprehensive Language Arts course designed to develop strategies for reading, analyzing, and responding to various texts including fiction, non-fiction, technical, and informational writings. It also presents strategies for writing, including multiple genres with appropriate use of conventions. This course is designed to meet the needs of students who wish to study the first semester of 10th grade English (10A) and earn 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 this course results in 5 high school credits. **Recommended Preparation:** ESL 40, ABSE 111 or equivalent

113 ENGLISH 10B

0 Units

ABSE 113 is a comprehensive Language Arts course designed to develop strategies for reading, analyzing, and responding to various texts including fiction, non-fiction, technical, and informational writings. It also presents strategies for writing, including multiple genres with appropriate use of conventions. This course is designed to meet the needs of students who wish to study the second semester of 10th grade English (10B) and earn 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 this course results in 5 high school credits. **Recommended Preparation:** ESL 40, ABSE112 or equivalent

114**ENGLISH 11A****0 Units**

ABSE 114 focuses on reading, analyzing, and writing about a diverse selection of American literature and literary movements between 1620 and 1860, including a variety of cultural and individual perspectives. It presents strategies for students to complete analytical, informative, persuasive, narrative, and research writing. ABSE 114 is equivalent to the first semester of 11th grade English (11A) and 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 and ABSE 113, or equivalent.

115**ENGLISH 11B****0 Units**

ABSE 115 focuses on reading, analyzing, and writing about a diverse selection of American literature and literary movements between 1860 and the late twentieth century, including a variety of cultural and individual perspectives. It presents strategies for students to complete analytical, informative, persuasive, and research writing. 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. **Recommended Preparation:** ESL 40 and ABSE 114, or equivalent.

116**ENGLISH 12A****0 Units**

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 with appropriate use of conventions. This course is designed to meet the needs of students who wish to study the first semester of 12th grade English (12A) and earn 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 this course results in 5 high school credits. **Recommended Preparation:** ESL 40 and ABSE 115, or equivalent.

117**ENGLISH 12B****0 Units**

ABSE 117 focuses on reading, analyzing, and writing about a diverse selection of British Literature selections. Students engage in further practice in the modes of analytical, informative, persuasive, and research-based writing. This course is designed to meet the needs of students who wish to study the second semester of 12th grade English (12B). 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. **Recommended Preparation:** ESL 40 and ABSE 116, or equivalent.

120**BASIC MATHEMATICS REVIEW****0 Units**

ABSE 120 is a contextualized math course which prepares students for a successful transition to college, apprenticeships, and employment. Topics include numeracy, fractions, decimals, percentages, unit conversion, ratios, and proportions. **Note:** This is a noncredit open-entry open-exit course. Laboratory 20 hours. **Recommended Preparation:** ESL 30 or equivalent

121**BASIC ALGEBRA REVIEW****0 Units**

ABSE 121 provides students with a review of reasoning and modeling algebraically. Areas presented in this class include integers, scientific notation, linear functions and equations and graphing, quadratic equations, and slope. Emphasis is placed on algebraic vocabulary and problem solving. **Note:** This is a noncredit open-entry, open-exit course. Laboratory 20 hours. **Recommended Preparation:** ESL 30 or equivalent

122**BASIC STATISTICS REVIEW****0 Units**

ABSE 122 reviews the basic concepts of data analysis and statistical computing. Topics include weighted averages, distribution of data, interpretation of data graphs, counting strategies and probability. Emphasis is placed on developing basic statistics vocabulary and contextualized problem solving. **Note:** This is a noncredit course with open-entry and open-exit. Laboratory 20 hours. **Recommended Preparation:** ESL 30 or equivalent

146**ETHNIC STUDIES****0 Units**

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. 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 or equivalent.

147**WORLD GEOGRAPHY 1A****0 Units**

ABSE 147 is designed for students who wish to earn high school credit for World Geography. The course presents information about the world and its resources, surveys the basic principles of geography, and explores how such physical factors as climate and natural resources influence the cultural, economic and political life of people in the United States, Canada, Latin America, Europe, Russia, and Eurasia. Laboratory 100 hours. **Note:** This is a self-paced course in an open-entry, open-exit lab environment. Successful completion of the entire course results in 5 high school credits. **Recommended Preparation:** ESL 40 or equivalent.

148**WORLD GEOGRAPHY 1B****0 Units**

ABSE 148 is designed for students who wish to earn high school credit for World Geography. The course presents information about the world and its resources, surveys the basic principles of geography, and explores how such physical factors as climate and natural resources influence the cultural, economic and political life of people in Africa, Asia, Australia, and Antarctica. Laboratory 100 hours. **Note:** This is a self-paced course in an open-entry, open-exit lab environment. Successful completion of the entire course results in 5 high school credits. **Recommended Preparation:** ESL 40 or equivalent.

**149
ART HISTORY 1A**
0 Units

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. **Recommended Preparation:** ESL 40 or equivalent.

**150
ART HISTORY 1B**
0 Units

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. This is the second semester of the Art History high school elective. 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 and ABSE 149 or equivalent.

**186
ESSENTIALS IN READING AND
PARAGRAPH WRITING**
0 Units

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. **Recommended Preparation:** ESL 30 or equivalent

**187
PREPARATION FOR COLLEGE
READING AND COMPOSITION**
0 Units

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. **Recommended Preparation:** ESL 40 or ABSE 186, or equivalent.

**200
COLLEGE READINESS FOR
ADULTS WITH DISABILITIES**
0 Units

ABSE 200 is designed to assist students with disabilities to become better prepared to meet the challenges of college. Learning styles, academic and career goal development, improving self-esteem, building self-confidence, learning and study strategies, accommodations, campus and community resources are emphasized. Lecture 64 hours. **Note:** Students must attend an orientation and meet with the noncredit DSPS counselor. **Note:** This class is Pass/No Pass only. **Prerequisite:** None.

**201
WORKFORCE READINESS FOR
ADULTS WITH DISABILITIES**
0 Units

ABSE 201 assists students with disabilities with career exploration. Students will identify jobs that match their interests, skills, and values. Emphasis is placed on understanding the Americans with Disabilities Act (ADA), developing soft skills, successful interviewing techniques, completing job applications, and resume writing. Lecture 64 hours. **Note:** Students must attend an orientation and meet with the noncredit DSPS counselor. **Note:** This course is Pass/No Pass only. **Prerequisite:** None.

**ENGLISH AS A SECOND
LANGUAGE**

**1
ENGLISH AS A SECOND
LANGUAGE LITERACY**
0 Units

ESL 1 is designed for students who need to acquire fundamental literacy and communicative skills in English to successfully participate in everyday situations. Instruction emphasizes recognizing, printing, and using the alphabet; learning sound/letter relationships to read, write and spell; developing basic vocabulary; recognizing, writing, and using the numbers 1-100; and acquiring the language structures and communicative skills necessary in basic life skills competencies. Instruction integrates listening, speaking, reading, and writing skills. Lecture 140-224 hours. **Recommended Preparation:** Placement is based upon performance on a division assessment, or referral by ESL 10 instructors, or student self-referral.

**5
ENGLISH AS A SECOND
LANGUAGE FOR OLDER ADULT
LEARNERS**
0 Units

ESL 5 is designed for older adult learners at the low-beginning level of English acquisition. This course provides instruction in reading, writing, sentence structure, spelling and phonemic correspondences, verbal communication skills, and emphasizes oral and written activities. Students read and listen to dialogues and compose and practice original dialogs. Other activities include reading of short stories or paragraphs, writing sentences and short paragraphs, role playing of everyday situations, listening comprehension, dictation, and life skills competencies. Lecture 140-224 hours. **Recommended Preparation:** Placement is based upon performance on a division placement assessment, or completion of ESL 1, referral by ESL 10 instructors, or student self-referral.

**10
ENGLISH AS A SECOND
LANGUAGE LEVEL 1**
0 Units

ESL 10 is designed for students at the low beginning level of English acquisition. This course provides instruction on simple reading and writing, basic sentence and paragraph structure, spelling and phonemic correspondences, and listening and oral communication skills. Students read and listen to dialogues and compose and practice original dialogs. Other activities include reading of short stories or paragraphs, writing sentences and short paragraphs, role playing of everyday situations, listening comprehension, dictation, and life skills competencies. Lecture 140-224 hours. **Prerequisite:** Placement is based upon performance on a division placement assessment or completion of ESL 1.

**15
ENGLISH AS A SECOND
LANGUAGE LEVEL 1 FOR WORK**
0 Units

ESL 15 helps low-beginning ESL students learn English for work and life. Students study and practice simple listening, speaking, reading, writing, grammar and interpersonal skills in workplace and everyday life contexts. Lecture 140-224 hours. **Prerequisite:** Placement is based upon performance on a division placement assessment or completion of ESL 1.

**20
ENGLISH AS A SECOND
LANGUAGE LEVEL 2***0 Units*

ESL 20 is designed for students at the high-beginning level of English acquisition. This course provides instruction in reading and writing, basic sentence and paragraph structure, spelling, verbal communication skills, listening comprehension of everyday spoken English, and development of life skills competencies. Emphasis is placed upon the study of grammar and vocabulary necessary for everyday life and general understanding of spoken English. Lecture 140-224 hours. *Prerequisite:* Placement is based upon performance on a division placement assessment or completion of ESL 10.

**25
ENGLISH AS A SECOND
LANGUAGE LEVEL 2 FOR WORK***0 Units*

ESL 25 helps high-beginner students learn English for work and life. Students study and practice listening, speaking, reading, writing basic sentences and paragraphs, spelling, grammar, vocabulary, and interpersonal skills for workplace and everyday life contexts. Lecture 140-224 hours. *Prerequisite:* Placement is based upon performance on a division placement assessment or completion of ESL 10 or ESL 15.

**30
ENGLISH AS A SECOND
LANGUAGE LEVEL 3***0 Units*

ESL 30 is designed for students at the low-intermediate level of English acquisition. This course provides instruction in reading and writing, sentence and paragraph structure, verbal communication skills, comprehension of everyday spoken English and development of life skills competencies. Instruction stresses the grammatical study of verbs and vocabulary development. Emphasis is placed upon general understanding of spoken and written English and overall effectiveness in communication. Lecture 140-224 hours. *Prerequisite:* Placement is based upon performance on a division placement assessment or completion of ESL 20.

**33
GRAMMAR AND WRITING III
MIRRORED COURSE***0 Units*

ESL 33 is a NCESL mirrored course for ESL 133, which focuses on grammar and composition for students at the intermediate level of academic English as a second language. The course covers increasingly complex grammatical structures that students incorporate into three-to-five paragraph compositions of 300-350 words in length. Lecture 90 hours. *Prerequisite:* Placement is based on a composite of test scores and academic background or satisfactory completion of ESL 123 and 126. *Recommended Preparation:* ESL 125 and ESL 127. *Recommended Corequisite:* ESL 135, 136, and 137.

**35
ENGLISH AS A SECOND
LANGUAGE LEVEL 3 FOR WORK***0 Units*

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 ESL 25.

**40
ENGLISH AS A SECOND
LANGUAGE LEVEL 4***0 Units*

ESL 40 is designed for students at the high-intermediate level of English acquisition. This course provides instruction in reading and writing, sentence and paragraph structure, verbal communication skills, comprehension of everyday spoken English, and development of life skills competencies. Instruction stresses the grammatical study of clauses, a review of verb tenses, and vocabulary development. Emphasis is placed upon the direct study of English grammar appropriate for academic settings and overall effectiveness in communication. Lecture 140-224 hours. *Prerequisite:* Placement is based upon performance on a division placement assessment or completion of ESL 30.

**41
GRAMMAR AND WRITING IV
MIRRORED COURSE***0 Units*

ESL 41 is a NCESL mirrored course for ESL 141, it focuses on grammar and composition for students at the high intermediate level of academic English as a second language. This course provides extensive practice in thesis-based essays, critical analysis of academic reading, and techniques to improve writing content, organization, and grammar. The course covers increasingly complex compositions of 400-450 words in length. Essays are written in response to readings and discussions. Lecture 90 hours. *Prerequisites:* Placement is based on a composite of test scores and academic background or satisfactory completion of ESL 133 and ESL 136. *Recommended Preparation:* ESL 135 and 137. *Recommended Corequisites:* ESL 145 and ESL 146.

**45
ENGLISH AS A SECOND
LANGUAGE LEVEL 4 FOR WORK***0 Units*

ESL 45 is designed for students at the high-intermediate level of English acquisition. This course provides instruction in workplace reading and writing, grammar, verbal communication skills, comprehension of spoken English, and development of soft skills (interpersonal skills) for a vocational context. Additionally, the course emphasizes culturally-appropriate, 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 30 or ESL 35.

**50
ENGLISH AS A SECOND
LANGUAGE LEVEL 5***0 Units*

ESL 50 is designed for students at the advanced level of English acquisition. This course provides instruction in reading and writing; paragraph and essay structure; verbal communication skills; comprehension of academic, professional, and everyday spoken English; and development of life skills competencies. Special attention is given to the development of writing skills. Emphasis is placed upon the direct study of English grammar appropriate for academic settings and overall effectiveness in communication. Lecture 140-224 hours. *Prerequisite:* Placement is based upon performance on a division placement assessment or completion of ESL 40.

**55
ENGLISH AS A SECOND
LANGUAGE LEVEL 5 FOR WORK**
0 Units

ESL 55 is for students at the advanced level of English. This course provides English language listening, speaking, reading, writing, grammar, and interpersonal skills for work-related contexts. Culturally-appropriate communication, digital literacy, and critical thinking are integrated throughout the course. Instruction includes English grammar appropriate for workplace and everyday life settings. Lecture 140-224 hours. **Prerequisite:** Placement is based upon performance on a division placement assessment or completion of ESL 40 or ESL 45.

**57
ENGLISH AS A SECOND
LANGUAGE COLLEGE READINESS
LEVEL 5**
0 Units

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.

**70
ADMINISTRATIVE MEDICAL
ASSISTING & ESL SUCCESS AND
SUPPORT COURSE**
0 Units

ESL 70 supports students concurrently enrolled in the Noncredit Business and Life Skills Division's Administrative Medical Assisting (AMA) certificate program. It is designed for students who are at the high-intermediate ESL (English as a Second Language) level or higher. In this course, we will follow the pacing of the AMA course, with emphasis on reviewing, understanding, and practicing medical terminology, communicating and handling problem situations involving patients, using medical software, learning basic billing and coding, and preparing for job interviews. Our goal is to have students feel more confident with their medical terminology, reading comprehension, and verbal and written communication skills. Lecture 77 hours. **Note:** This course is intended to be a **Recommended Corequisite** for students enrolled in STV 61. **Prerequisite:** Placement is based upon performance on a division placement assessment or completion of ESL 30 or ESL 35. **Recommended Corequisite:** STV 61.

**80
ENGLISH AS A SECOND
LANGUAGE BEGINNING
CONVERSATION**
0 Units

ESL 80 helps students improve their oral communication, listening comprehension, and vocabulary at a beginning level. Topics include communication for life in the community, workplace, and school focusing on cultural subtleties and conversational strategies. Students participate in pair work, small group and class discussions, role-plays and presentations. Lecture 45-112 hours. **Recommended Preparation:** ESL 10 or equivalent.

**81
ENGLISH AS A SECOND
LANGUAGE INTERMEDIATE
CONVERSATION**
0 Units

ESL 81 helps students improve their oral communication, listening comprehension, and vocabulary at an intermediate level. Topics include communication for life in the community, workplace, and school focusing on cultural subtleties and conversational strategies. Course includes pair work, small group and class discussions, role-plays, and presentations. Lecture 45-112 hours. **Recommended Preparation:** ESL 30 or equivalent.

**82
ENGLISH AS A SECOND
LANGUAGE ADVANCED
CONVERSATION**
0 Units

ESL 82 helps students improve their oral communication, listening comprehension, and vocabulary at an advanced level. Topics include communication for life in the community, workplace, and school focusing on cultural subtleties and conversational strategies. The course includes pair work, small group and class discussions, role-plays, and presentations. Lecture 45-112 hours. **Recommended Preparation:** ESL 40 or ESL 50 or equivalent.

**84
ENGLISH AS A SECOND
LANGUAGE NORTH AMERICAN
PRONUNCIATION FOR
INTERMEDIATE STUDENTS**
0 Units

ESL 84 is designed for ESL students at the high beginning/low intermediate level of English acquisition. This course concentrates on approximating North American pronunciation in the speech of non-native students using a variety of techniques. Practice in the pronunciation of individual sounds, rhythm, lexical and prosodic stress, intonation and phraseology helps students communicate more effectively and helps prepare them for everyday communication activities. In ESL 84, students learn to use formal diction by making oral presentations and participating in class discussions at the high beginning/low intermediate level. They practice expressive speaking, appropriate facial expressions, and hand and body gestures. Lecture 80 hours. **Recommended Preparation:** ESL 20.

**85
ENGLISH AS A SECOND
LANGUAGE INTERMEDIATE
CONVERSATION FOR
EMPLOYMENT**
0 Units

ESL 85 is designed to help intermediate students improve their oral communication, listening comprehension, and vocabulary in a workplace context. Students participate in work and career-related class discussions, presentations, and role plays such as mock job interviews. Students also practice pronunciation of individual sounds, word and sentence stress, and intonation patterns. The instructor may add laboratory assignments based on individual student needs. Lecture 45-112 hours. **Recommended Preparation:** Placement is based upon performance on a division placement assessment or completion of ESL 20 or equivalent.

**86
ENGLISH AS A SECOND
LANGUAGE NORTH AMERICAN
PRONUNCIATION FOR ADVANCED
STUDENTS**
0 Units

ESL 86 is designed for ESL students at the advanced level of English acquisition. This course concentrates on approximating North American pronunciation in the speech of non-native students using a variety of techniques. Practice in the pronunciation of individual sounds, rhythm, lexical and prosodic stress, intonation and phraseology helps students communicate more effectively and helps prepare them for everyday communication activities. In ESL 86 students learn to use formal diction by making oral presentations and participating in class discussions at an Advanced ESL level. They practice expressive speaking, appropriate facial expressions, and hand and body gestures. Lecture 80 hours. *Recommended Preparation:* ESL 30.

**87
AMERICAN IDIOMS AND SLANG -
ADVANCED**
0 Units

ESL 87 helps high-intermediate-advanced ESL students improve their speaking and listening by studying popular U.S. American idioms and slang. Students will participate in class discussions, role plays, oral presentations, and written assignments. The course also includes instruction on U.S. American culture, pronunciation, and communication in various situations. Lecture 45-112 hours. *Recommended Preparation:* Placement is based upon performance on a division placement assessment or completion of ESL 30 or ESL 35.

**88
AMERICAN IDIOMS AND SLANG IN
THE WORKPLACE - ADVANCED**
0 Units

ESL 88 helps high-intermediate to advanced ESL students improve their speaking and listening by studying work-related U.S. American idioms, slang, and jargon. Students will participate in class discussions, role plays, oral presentations, and written assignments. The course also includes instruction on U.S. American culture, pronunciation, and communication in various situations. Lecture 45-112 hours. *Recommended Preparation:* ESL 30 or ESL 35.

**90
ENGLISH AS A SECOND
LANGUAGE CITIZENSHIP**
0 Units

ESL 90 Citizenship is designed for students at the beginning level of English as a Second Language acquisition to help them successfully complete the naturalization process. This course provides instruction in reading, writing, verbal communication, U.S. civics, the naturalization interview, 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 civics (citizenship) exam. This course includes the steps to becoming a U.S. citizen, and receive limited, beginning-level instruction in the history, government, and geography of the United States. Lecture 64 hours. *Recommended Preparation:* ESL 10 or equivalent.

**91
ESL CITIZENSHIP INTERMEDIATE**
0 Units

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.

**95
ENGLISH AS A SECOND
LANGUAGE ADVANCED
CONVERSATION FOR
EMPLOYMENT**
0 Units

ESL 95 helps advanced students improve oral communication, listening comprehension, and vocabulary in a workplace context. Students participate in work and career-related class discussions, presentations, and role plays while focusing on cultural subtleties and conversational strategies. Lecture 45-112 hours. *Recommended Preparation:* ESL 40, ESL 45, ESL 50, or ESL 57.

LIFELONG LEARNING SEMINARS

**10
CONTEMPORARY WORLD ISSUES**
0 Units

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. *Prerequisite:* None.

**20
JOY OF LIVING**
0 Units

LLS 20 is an interactive discussion course for students interested in personal enrichment and meeting life's challenges with a positive outlook. Lecture 12-16 hours. **Note:** This is a course designed for the older adult. **Note:** This course is Pass/No Pass only. *Prerequisite:* None.

**21
QUALITY OF LIFE**
0 Units

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. *Prerequisite:* None.

**24
PHILOSOPHY AND ETHICS FOR
EVERYDAY LIVING**
0 Units

LLS 24 students examine the philosophies and ethics of a variety of historical and modern thinkers. This course is designed for the older adult and discussion centers on the application of these theories to the life challenges faced by mature adults. Lecture 32 hours. **Note:** This is a course designed for the older adult student. **Note:** This course is Pass/No Pass only. *Prerequisite:* None.

**25
ADJUSTMENT TO RETIREMENT**
0 Units

LLS 25 explores the social, psychological, and practical adjustments associated with retirement. Students share various retirement expectations and experiences to help them adjust to this major life event. Lecture 12-16 hours. **Note:** This is a course designed for older adults. **Note:** This course is Pass/No Pass only. *Prerequisite:* None.

**26
THE SIMPLE LIFE**
0 Units

LLS 26 encourages socialization and personal development. Students will discuss various philosophical ideologies supporting the simple life, including how our belief system may affect our personal, social and cultural aspects of life. Lecture 10-12 hours. **Note:** This is a course designed for the older adult. **Note:** This course is Pass/No Pass only. **Prerequisite:** None.

**27
WHERE'S MY MEMORY?**
0 Units

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. **Prerequisite:** None.

**30
DISCOVERING YOURSELF
THROUGH MEMOIR WRITING AND
MORE**
0 Units

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. **Prerequisite:** None.

**40
BALANCE AND MOBILITY**
0 Units

LLS 40 helps older students maintain independence in daily activity through a safe and appropriate functional movement, balance and mobility training program. Students will explore the physical and mental changes that occur with the aging process. Laboratory 48-120 hours. **Note:** This is a course designed for the older adult. **Note:** This course is Pass/No Pass only. **Prerequisite:** None.

**42
STRENGTH TRAINING FOR THE
OLDER ADULT**
0 Units

LLS 42 helps older students maintain independence in daily activity through a safe and appropriate strength training program. Students will focus on fitness for functional daily activities and discuss the physical and mental changes that happen later in life. Laboratory 48-120 hours. **Note:** This course is designed for older adults. **Note:** This course is Pass/No Pass only. **Prerequisite:** None.

**44
DIET AND NUTRITION FOR OLDER
ADULTS**
0 Units

LLS 44 discusses nutritional basics for mature adults. Students will create their own personal healthy, simple, and effective diet plan. Lecture 12-24 hours. **Note:** This is a course designed for the older adult. **Note:** This course is Pass/No Pass only. **Prerequisite:** None.

**72
FILM APPRECIATION**
0 Units

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. **Prerequisite:** None.

**73
MAGIC: THE PRINCIPLES OF
ILLUSION**
0 Units

LLS 73 introduces students to magic techniques used by magicians. Students learn to perform Close-Up and Stage Magic, and focus on entertaining friends and family while mastering the physical and mental concentration needed to create a successful trick. Performance skills and stage presence are discussed. Lecture 24-48 hours. **Note:** This is a course designed for the older adult. **Note:** This course is Pass/No Pass only. **Prerequisite:** None.

**75
DEBATE FOR THE MATURE ADULT**
0 Units

LLS 75 is a discussion-practice that explores today's issues in an advocacy format. Students focus on personal enrichment through exploration and practice argument creation and presentation. Lecture 48 hours. **Note:** This course is designed for older adults. **Note:** This course is Pass/No Pass only. **Prerequisite:** None.

**80
ACTING IMPROVISATION**
0 Units

LLS 80 explores acting techniques in a series of theater games and improvisations that emphasize basic acting skills. This course is designed and paced for the mature adult for the purpose of helping the student to increase self-confidence and communication skills. Lecture: 32 hours. **Note:** This course designed for older adults. **Note:** This course is Pass/No Pass only. **Prerequisite:** None.

**90
ART HISTORY**
0 Units

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. **Prerequisite:** None.

**95
WORLD RELIGIONS**
0 Units

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. **Prerequisite:** None.

**141
ANCIENT CIVILIZATIONS OF THE
WORLD**
0 Units

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. **Prerequisite:** None.

200 ENCORE 0 Units

LLS 200 offers a series of informative seminars of special interest to mature adults. Students choose, prepare, and present the topics themselves. Small groups choose areas of interest that develop cooperation skills and help increase social connections in the community. Lecture 32 hours **Note:** This course is designed for older adult students. **Note:** This course is Pass/No Pass only. **Prerequisite:** None.

PARENT EDUCATION - CHILD OBSERVATION

10 INFANT 1 0 Units

PARED 10 focuses study on parenting children from 0-8 month of age. Parents (or caregivers) attend class with one or more children of the designated age. Lecture 16 hours, laboratory 16 hours. **Prerequisite:** None.

11 INFANT 2 0 Units

PARED11 focuses study on parenting children from 9-16 month of age. Parents (or caregivers) attend class with one or more children of the designated age. Lecture 16 hours, laboratory 16 hours. **Prerequisite:** None.

12 TODDLER 1 0 Units

PARED 12 focuses study on parenting children from 17-23 month of age. Parents (or caregivers) attend class with one or more children of the designated age. Lecture 24 hours, laboratory 16 hours. **Prerequisite:** None.

13 TODDLER 2 0 Units

PARED 13 focuses study on parenting children from 24-29 month of age. Parents (or caregivers) attend class with one or more children of the designated age. Lecture 24 hours, laboratory 16 hours. **Prerequisite:** None.

20 TWO-YEAR-OLDS 0 Units

PARED 20 focuses study on parenting the two-year old child. Parents (or caregivers) attend class with one or more child of the designated age. Lecture 24 hours, laboratory 24 hours. **Prerequisite:** None.

21 TWO OR THREE-YEAR-OLDS 0 Units

PARED 21 focuses study on parenting the two or three-year-old child. Parents (or caregivers) attend class with one or more children of the designated age. Lecture 24 hours, laboratory 24 hours. **Prerequisite:** None.

22 TWO, THREE, OR FOUR-YEAR OLDS 0 Units

PARED 22 focuses study on parenting children from age two through the pre-kindergarten years. Parents (or caregivers) attend class with one or more children of the designated age. Lecture 24 hours, laboratory 24 hours. **Prerequisite:** None.

30 THREE-YEAR-OLDS 0 Units

PARED 30 focuses study on parenting the three-year-old child. Parents (or caregivers) attend class with one or more children of the designated age. Lecture 24 hours, laboratory 24 hours. **Prerequisite:** None.

31 THREE OR FOUR-YEAR-OLDS 0 Units

PARED 31 focuses study on parenting the three or four-year old child. Parents (or caregivers) attend class with one or more children of the designated age. Lecture 24 hours, laboratory 24 hours. **Prerequisite:** None.

41 PRE-KINDERGARTEN 0 Units

PARED 41 focuses study on parenting the pre-kindergarten child (four or five-year-old children). Parents (or caregivers) attend class with one or more children of the designated age. Lecture 32 hours, laboratory 32 hours. **Prerequisite:** None.

50 MULTI-AGE 0 Units

PARED 50 focuses study on parenting children from birth through the pre-kindergarten years. Parents (or caregivers) attend class with one or more children of the designated age. Lecture 24 hours, laboratory 24 hours. **Prerequisite:** None.

51 FATHERING SKILLS 0 Units

PARED 51 focuses study on the father's role in parenting children from birth through the pre-kindergarten years. Fathers attend class with one or more children of the designated age. Lecture 16 hours, laboratory 16 hours. **Prerequisite:** None.

54 WORKING PARENTS 0 Units

PARED 54 focuses study on the working parent's role in parenting children from birth through the pre-kindergarten years. Special attention is given to the challenges of raising a child while working full-time. Parents attend class with one or more children of the designated age. Lecture 16 hours, laboratory 16 hours. **Prerequisite:** None.

60 POSITIVE PARENTING SKILLS 0 Units

PARED 60 is designed for parents who seek instruction in positive, alternative parenting methods that will redirect inappropriate behavior of children and adolescents of all ages. If needed by the students enrolled, this class may also address single parenting issues. Court referred parents are welcome. Lecture 32 hours. **Note:** This class is for the parent only. No children may attend. Lecture 1-3 hours/Laboratory-Studio 2-9 hours. **Prerequisite:** None.

70 THE POLITICS & PRACTICE OF PARENT ASSOCIATIONS 0 Units

PARED 70 is designed for students who wish to learn about the parent's role in parent/teacher associations. Practical experience is provided in areas of volunteerism, designing school based family enrichment activities, parent association management and participation, as well as organization of school-based newsletters. Lecture 16 hours. Laboratory/Studio 16 hours. **Note:** This class is for parents only. No children may attend. **Prerequisite:** None.

90 SINGLE PARENTING 0 Units

PARED 90 focuses study on the special concerns and issues inherent in raising children as a single parent. Lecture 32 hours. **Note:** This class is for parents only. No children may attend. **Prerequisite:** None.

103 ANGER MANAGEMENT AND DISCIPLINE 0 Units

PARED 103 is designed for parents who seek assistance in managing their expressions of anger in order to parent more effectively and use appropriate discipline strategies. Lecture 16 hours. **Note:** This class is for adults only. No children may attend. **Prerequisite:** None.

SHORT TERM VOCATIONAL

11 BEGINNING KEYBOARDING 0 Units

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. **Recommended Preparation:** ESL 30 or equivalent

12 INTERMEDIATE KEYBOARDING 0 Units

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. **Recommended Preparation:** STV 11 or equivalent.

13 ADVANCED KEYBOARDING 0 Units

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. **Recommended Preparation:** STV 12 or equivalent.

14 KEYBOARDING FOR HIGH SCHOOL CREDIT 0 Units

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. **Recommended Preparation:** ESL 30 or equivalent

21 BUSINESS MATH AND CALCULATORS 0 Units

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. **Prerequisite:** None.

22 BEGINNING ACCOUNT CLERK 0 Units

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. **Recommended Preparation:** ESL 10 or equivalent.

23 ADVANCED ACCOUNT CLERK 0 Units

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. **Recommended Preparation:** STV 22 or equivalent

31 BUSINESS WRITING: EMAIL 0 Units

STV 31 students 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. **Recommended Preparation:** ESL 30 or equivalent

33 BUSINESS LETTER WRITING 0 Units

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. **Recommended Preparation:** ESL 30 or equivalent

34 FILING FUNDAMENTALS 0 Units

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. **Recommended Preparation:** ESL 30 or equivalent

35 ON-THE-JOB COMMUNICATION 0 Units

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. **Recommended Preparation:** ESL 20 or equivalent.

40 21ST CENTURY EMPLOYMENT STRATEGIES 0 Units

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. **Recommended Preparation:** ESL 40 or equivalent.

**50
CUSTOMER SERVICE SKILLS****0 Units**

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. **Recommended Preparation:** ESL 30 or equivalent

**55
OFFICE EQUIPMENT****0 Units**

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. **Recommended Preparation:** ESL 30.

**60
PATHWAYS TO HEALTH CAREERS****0 Units**

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. **Recommended Preparation:** ESL 30 or equivalent

**65
BASIC REVIEW FOR CALIFORNIA
CERTIFIED MEDICAL ASSISTANT****0 Units**

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. **Recommended Preparation:** ESL 30 or equivalent

**67
MEDICAL TERMINOLOGY FOR
NONCREDIT ALLIED HEALTH
COURSES****0 Units**

STV 67 teaches students medical terminology relevant to Noncredit Allied Health programs. The course emphasizes correct spelling, pronunciation, meaning, and usage of common healthcare terms. Students will explore how prefixes, suffixes, and root words combine to form medical terms. Additionally, they will become familiar with frequently used words that facilitate communication among healthcare professionals. The course also covers basic anatomy, physiology, disease processes, and pharmacology. Lecture 32 hours. **Note:** This course is Pass/No Pass only. **Recommended Preparation:** ESL 30 or equivalent

**68
PHLEBOTOMY TECHNICIAN****0 Units**

STV 68 teaches students the technical and procedural aspects of phlebotomy, including blood specimen collection and venipuncture. It combines theory and hands-on instruction to train students in collecting and processing clinical specimens and interacting with healthcare personnel and clients. The course covers equipment, additives, basic anatomy, and safe venipuncture techniques, with an emphasis on collection methods, specimen processing, workflow practices, and laboratory information systems. This program prepares individuals for the National Phlebotomist Certification examination. Lecture 48 hours. **Note:** This course is Pass/No Pass only. **Recommended Preparation:** ESL 50, or equivalent.

**70
INTRODUCTION TO COMPUTERS****0 Units**

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. **Recommended Preparation:** ESL 30 or equivalent

**71
COMPUTER BASICS/ESL
LEARNERS****0 Units**

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. **Recommended Preparation:** ESL 10 or equivalent.

**72
GOOGLE WORKSPACE
FUNDAMENTALS****0 Units**

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. **Recommended Preparation:** ESL 30 and STV 140.

**73
GOOGLE WORKSPACE
INTERMEDIATE****0 Units**

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. **Recommended Preparation:** STV 72, STV 140, and ESL 30.

**80
WINDOWS****0 Units**

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. **Recommended Preparation:** ESL 30 or equivalent

**83
CELL PHONE BASICS**
0 Units

STV 83 introduces smart phone use for beginners. Students learn about basic cell phone settings, OS configuration, phone call basics, SMS (texting), contacts, camera use, basic privacy & security, e-mail, file management, native applications, and app installation in the iPhone and Android. Lecture 16 hours. **Note:** This course is Pass/ No Pass only. **Recommended Preparation:** ESL 30 or equivalent

**84
INTERMEDIATE ANDROID**
0 Units

STV 84 provides an intermediate level exploration of the Android cell phone. Students learn about App installation, videoconferencing, maps, GPS, eCommerce, social media, music & video sharing, file management, and cybersecurity. Only the Android phone is covered. Lecture 16 hours. **Note:** This course is Pass/No Pass only. **Recommended Preparation:** ESL 30 or equivalent

**85
INTERMEDIATE APPLE IPHONE**
0 Units

STV 85 provides an intermediate level exploration of the Apple cell phone. Students learn about App installation, videoconferencing, maps, GPS, eCommerce, Social Media, music & video sharing, file management, and cybersecurity. Only the Apple iPhone is covered. Lecture 16 hours. **Note:** This course is Pass/No Pass only. **Recommended Preparation:** ESL 30 or equivalent

**90
MICROSOFT EXCEL**
0 Units

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. **Recommended Preparation:** ESL 30 and STV 70 or equivalent.

**91
MICROSOFT ADVANCED EXCEL**
0 Units

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. **Recommended Preparation:** ESL 30 and STV 90.

**95
QUICKBOOKS AUTOMATED ACCOUNTING**
0 Units

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. **Recommended Preparation:** ESL 40 or equivalent.

**97
SAGE 50 AUTOMATED ACCOUNTING**
0 Units

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. **Note:** This course is Pass/ No Pass only. **Recommended Preparation:** ESL 40 or equivalent.

**100
BEGINNING MICROSOFT WORD**
0 Units

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. **Recommended Preparation:** ESL 30, typing speed of 25wpm, and STV 70 or equivalent.

**101
ADVANCED MICROSOFT WORD**
0 Units

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. **Recommended Preparation:** ESL30, typing speed of 25wpm and STV 100 or equivalent.

**111
MICROSOFT POWERPOINT**
0 Units

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. **Recommended Preparation:** ESL30, typing speed of 25wpm, and STV 100 or STV 90, or equivalent.

**113
MICROSOFT ACCESS**
0 Units

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. **Recommended Preparation:** ESL30, typing speed of 25wpm, and STV 100 or STV 90, or equivalent.

**115
INTRODUCTION TO MICROSOFT PUBLISHER**
0 Units

STV 115 introduces students to Microsoft Publisher, a full-featured desktop publishing application that helps users create professional-quality publications and marketing materials, including flyers, brochures, advertisements, catalogs, mailing labels, and newsletters, that can be shared easily. Students learn how to create files that are accessible to diverse populations. Publisher also provides tools that enable students to produce webpages and save these webpages directly on a web server. Lecture 48 hours. **Recommended Preparation:** STV 11, STV 80, and ESL 40.

**120
COMPUTER LAB FOR NONCREDIT**
0 Units

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. **Recommended Preparation:** ESL 20 or equivalent.

**138
MICROSOFT OUTLOOK**
0 Units

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. **Recommended Preparation:** ESL30, typing speed of 25 wpm, and STV 100 or STV 90, or equivalent.

**140
INTERNET**
0 Units

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. **Recommended Preparation:** ESL 30 or equivalent

**149
INTRODUCTION TO INFORMATION TECHNOLOGY**
0 Units

STV 149 provides students with an introduction to technical support in the information technology field. The course covers both hardware and software topics including, but not strictly limited to computer assembly, troubleshooting networking concepts, laptops and mobile devices, printers, virtualization and cloud computing, windows installation and configuration, and computer security. Lecture 24 hours/Laboratory 24 hours. **Recommended Preparation:** STV 70, STV 80, STV 140, and ESL 30.

**150
INTEGRATED TECHNOLOGY**
0 Units

STV 150 introduces students to foundational integrated technology, focusing on both current and emerging concepts. The curriculum covers the use of software and peripheral devices to enhance input, output, and storage capabilities on Windows PCs, as well as Android and Apple smartphones and tablets. Students will learn how to set up and transfer data across applications, cloud environments, and connected devices. Additional topics include home automation, artificial intelligence, and platform integration. The course also emphasizes hardware and software security. Lecture 32 hours. **Note:** This course is Pass/No Pass only. **Recommended Preparation:** ESL 40 or equivalent.

**151
ENGINEERING DRAFTING AND BASIC DESIGN MIRRORED COURSE**
0 Units

STV 151 Is a mirrored course for ENGR 101 that offers limited seating through noncredit. It 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. Lecture 27 hours and Laboratory 81 hours. Seating in this course is limited. Permission from the Short Term Vocational department is mandatory. **Recommended Preparation:** ENGL 100 or ESL 141, or equivalent.

**153
DRAFTING AND BASIC DESIGN MIRRORED COURSE**
0 Units

STV 153 is a mirrored course for ARCH 101 that offers limited seating through noncredit. It covers the fundamentals of drafting techniques used in architectural drawing, and the basic design procedure relative to good residential planning. The course studies residential building codes, drafting of working drawings, scale drawings of construction details, framing concepts, and proper dimensioning techniques. Lecture 27 hours/ Laboratory 81 hours. **Recommended Preparation:** ART 130 and ENGL 100 or ESL 141.

**206
HOME CAREGIVER/AIDE I**
0 Units

(Previously STV 64)

STV 206 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. Lecture 48 hours. **Note:** This course is Pass/ No Pass only. **Recommended Preparation:** ESL 30 or equivalent

**210
DENTAL FRONT OFFICE**
0 Units

(Previously STV 62)

STV 210 gives students 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 66 hours, Laboratory 30 hours. **Note:** Student should be able to keyboard at a minimum rate of 20 wpm. **Note:** Use of Eaglesoft Software is required. Students may borrow a laptop with the software on it from the Garfield Campus or use the computer lab at Garfield. **Note:** This course is Pass/ No Pass only. **Recommended Preparation:** ESL 30 or equivalent

**212
ADMINISTRATIVE MEDICAL ASSISTING I**
0 Units

(Previously STV 61)

STV 212 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 256 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. **Recommended Preparation:** ESL 30. **Recommended Corequisite:** ESL 70.

**215
MEDICAL CLINICAL ASSISTING**
0 Units

(Previously STV 63)

STV 215 gives the student a comprehensive understanding and mastery of clinical back-office procedures. Students learn skills for work in a medical practice, such as checking blood pressure, injections, and drawing blood. Lecture 256 hours. **Note:** This course is Pass/ No pass only. **Recommended Preparation:** ABSE 20. Prerequisite STV 213 and ESL 30.

220
CERTIFIED NURSING AIDE -
THEORY
0 Units

(Previously STV 66)

STV 220 provides workforce preparation for basic nursing care in the direct care of patients in a variety of settings. This course focuses on physiology, patient care procedures, and requirements for record-keeping and reporting. Students who complete this course are qualified to take part in the Certified Nursing Assistant practicum (STV221). Lecture 64 hours. **Note:** This course is Pass/No Pass only. **Prerequisite:** Selection for enrollment in the Certified Nursing Aide Program (application and orientation are mandatory).

221
CERTIFIED NURSING AIDE -
CLINICAL
0 units

STV 221 is the clinical practice component of the Certified Nursing Aide program, focusing on direct client care, comfort measures, lab specimen collection, and the recording and reporting of data to licensed personnel. Students engage with principles of critical thinking, team building, ethics, caring, and cultural sensitivity, which are integrated throughout the course. Laboratory:128 hours. **Note:** Students must have their fingerprints taken and pass a physical exam. **Note:** This course is held in a skilled nursing facility. **Note:** This course is Pass/No pass only. **Prerequisite:** STV 220

250
PRACTICAL MATHEMATICS FOR
TRADES
0 Units

STV 250 provides the practical math skills needed in a wide variety of trade, technical, and other occupational areas. Topics include numeracy, fractions, decimals, unit conversions, ratios, proportions, algebra, measurement, and statistics. Hands on activities in a variety of technical areas such as surveying, manufacturing, electronics, construction, and engineering technology including the appropriate application of technology are emphasized. Lecture 64 hours. **Recommended Preparation:** ESL 30 or equivalent

STUDENT DEVELOPMENT

1
SUPERVISED TUTORING
0 Units

ST DV 1 is a supervised tutoring course designed to meet the individual academic needs of students requesting instructional assistance. Tutoring is provided for a course in which a student is concurrently registered. Students work with tutors who are recommended, trained and supervised by faculty. Lab hours vary from 1-100. **Prerequisite:** None.



FACULTY and ADMINISTRATION

Academic Rank is granted based on Administrative Regulation 4133 and the process is overseen by the Academic Senate

ABCEDE, VANESSA

Instructor of Sociology
MA, California State University, Long Beach

ABRAMYAN, MELINEA

Counselor, EOPS
B.S., University of California, Irvine
M.S., California State University, Northridge

AFSHAR, MARCUS M.

Assistant Professor of Physics
B.S., University of California, Berkeley
Ph.D., University of California, Davis

AGHEKIAN, ROSETTE M.

Associate Professor, Counselor, EOPS
A.A., American River Community College
B.A., M.S., California State University, Sacramento

ALLEN, MICHAEL S.

Professor of Mathematics
M.A., B.S., California State University, Los Angeles
M.A., University of California, Los Angeles

ALVAREZ, JESSICA M.

Assistant Professor, Counselor, EOPS
B.A., University of California, Riverside
M.S., California State University, Long Beach

ANDRIASSIAN, ALEN

Vice President, Student Services
A.A., Glendale Community College
B.A., Loyola Marymount University
M.A., University of California, Northridge

AQUE, JONN

Professor, Counselor
B.S., M.S., California State University, Los Angeles

ARONOFF, SHELLEY

Professor, Librarian
B.A., M.A., Mills College
M.L.I.S., San Jose State University

AZIZIAN, EDITH

Counselor, EOPS
M.S., California State University, Northridge

BACA, ABRAHAM E.

Instructor of Emergency Medical Technology
A.A., Pueblo Community College
A.A., Pikes Peak Community College
B.S., Colorado State University

BAHARLOO, HASSINA M.

Counselor
B.A., M.S., California State University, Northridge

BAHENA, LUIS LABRA

Assistant Professor of Mathematics
B.S., M.S., California State University, Long Beach

BANAAG, PAOLO

Counselor
A.A., Glendale Community College
B.A., University of California, Los Angeles
M.Ed., University of Southern California

BARSEGYAN, YERANUI

Program Manager, Student Equity, Counselor
B.A., M.S., California State University, Northridge

BENDER, JASON E.

Assistant Professor of Kinesiology, Instructor of Business
A.A., Santa Rosa Junior College
M.S., Azusa Pacific University
B.A., B.A., J.D., University of California, Los Angeles

BERSHAD, BRIDGET

Counselor, Articulation Coordinator, Transfer Center Coordinator
A.A., Los Angeles Pierce College
B.A., California State University, Northridge
M.S., California Lutheran University

BEY, APRIL C. R.

Instructor of Art
B.F.A., Ball State University
M.F.A., California State University, Northridge

BIANCHERI, MARY JANE

Associate Professor of Child Development
M.S., Bank Street College of Education, New York

BIE, OSMOND STEVE

Instructor of Philosophy
B.A., University of Tennessee
J.D., Vanderbilt University

BIEHL, TONY

Assistant Professor of Computer Science/Information Systems
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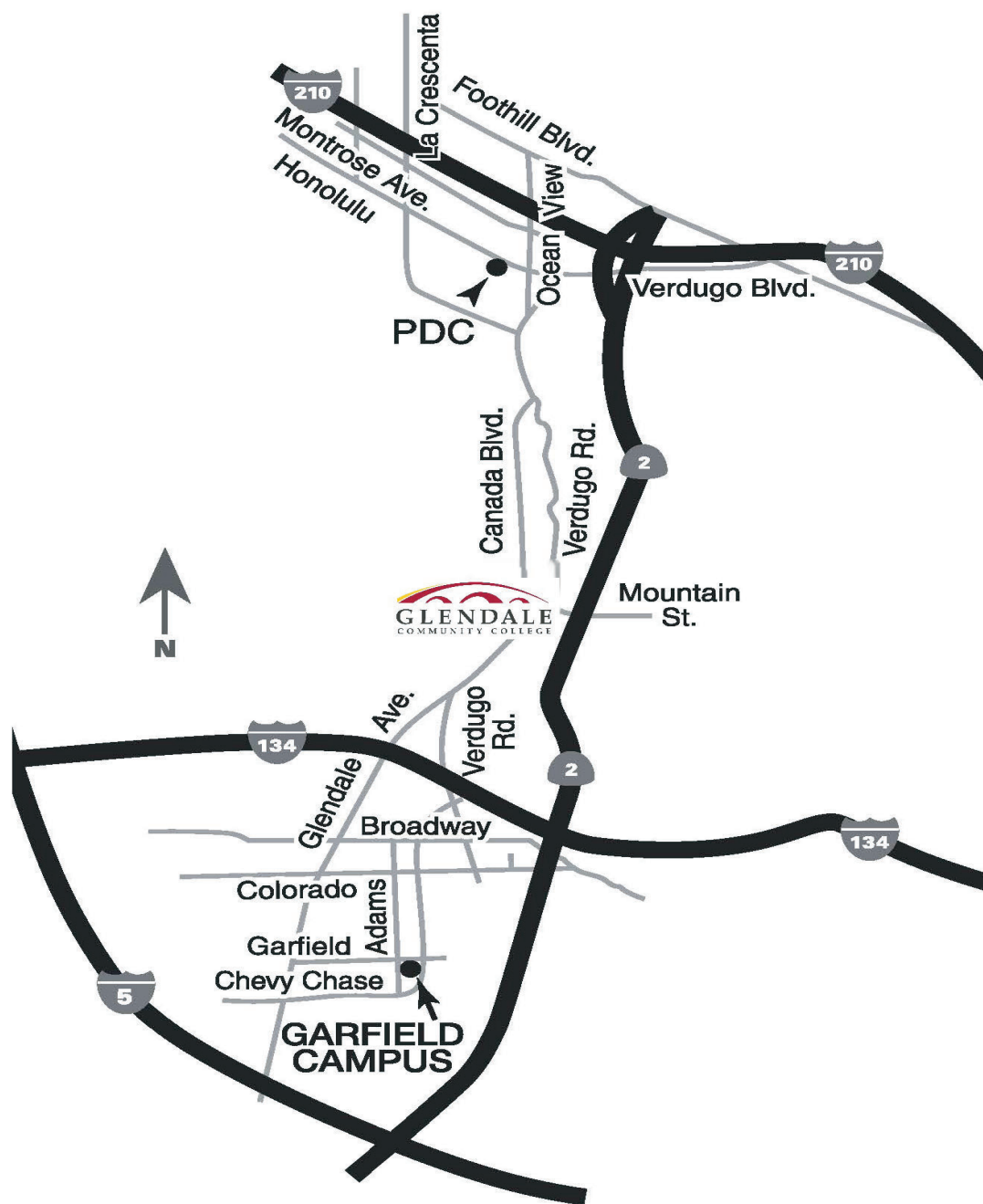
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